United States Environmental Protection Agency | Prevention, Pesticides and Toxic Substances (7508P) | EPA 738-R-07-07017 October 2007

Reregistration Eligibility Decision (RED)

Naphthaleneacetic Acid, Its Salts, Ester, and Acetamide

Revised October 2007

REREGISTRATION ELIGIBILITY DECISION (RED)
For
Naphthaleneacetic Acid, Its Salts, Ester, and Acetamide

CASE 0379

Revised October 2007

Includes chemicals:

056001 1-Naphthaleneacetamide
056002 1-Naphthalene acetic acid,
056003 Potassium 1-naphthaleneacetate
056004 Ammonium 1-naphthaleneacetate
056007 Sodium 1-naphthaleneacetate
056008 Ethyl 1-naphthaleneacetate

Approved by:

Steven Bradbury, Ph.D.
Director
Special Review and Reregistration Division

Date: 10/16/07

Naphthalene Acetic Acid Reregistration Eligibility Decision

The Reregistration Eligibility Decision (RED) document for Naphthaleneacetic Acid, Its Salts, Ester, and Acetamide ("NAA") was signed on May 26, 2004. The Environmental Protection Agency (EPA or the Agency) concluded in the RED that the use of naphthalene acetates (commonly referred to as NAA the most widely used naphthalene acetate) would have no effect on any endangered or threatened species or their critical habitat from the uses currently registered based on its screening-level assessment. However, the Agency was informed that one very minor use, on olive trees as a chemical thinning agent, has an approved application rate higher than assessed in the RED. Based on screening-level ecological and occupational assessments of the higher use rate, calculated risk quotients (RQs) for NAA use on olive trees now exceed the level of concern for endangered species and one worker exposure scenario exceeds the occupational level of concern. The Agency is, therefore, issuing an Amended RED for NAA.

The amended RED document and Overview include corrections, clarifications, and updates as a result of the maximum application rate of NAA on olives and EPA's own review of the document. Important revisions are summarized below; however, minor changes that are insignificant, but which improve the clarity of the document, are not listed here. Further, additional references to supporting documents were included to assist readers to find more details on various assessments.

The Amended RED and supporting risk assessments can be found on the Federal Docket Management System, available at http://www.regulations.gov (docket # EPA-HQ-OPP-2006-0507) and in the Office of Pesticide Program's (OPP's) public docket for viewing. The OPP docket is located in Room S-4400, One Potomac Yard (South Building); 2777 S. Crystal Drive, Arlington, VA, and is open Monday through Friday, excluding legal holidays, from 8:30 AM to 4:00 PM.

RED Document Revisions:

- References to the docket and building address have changed. These are:
  - The docket number has been changed to EPA-HQ-OPP-2006-0507.
  - New electronic docket system. The Federal Docket Management System (FDMS) has replaced the older "E-Dockets" internet docket system. FDMS can be found at www.regulations.gov.
  - New paper docket location. The Office of Pesticides Programs has moved and along with it, its paper docket. The new location is Room S-4400, One Potomac Yard (South Building); 2777 S. Crystal Drive; Arlington, VA; 22202.

- Throughout the Amended RED and Overview the units for application rates are now listed as pounds of acid equivalents per acre (lbs ae/A) rather than pounds of active ingredient per acre (lbs ai/A).

- In the RED (as amended) Section III. A. 5. Occupational Handler and Post-Application Risks, the paragraph is amended to reflect that the estimated margin of exposure (MOE) for

one occupational exposure scenario exceeds the screening-level of concern (below an MOE of 100). Additional use information was provided to characterize these potential exposures.

- In the RED (as amended), Section III. B. 1. Risk to Non-Target Species, the section is amended to reflect that for plants, the no risk of concern determination is only for non-endangered, non-target plants.

- In the RED (as amended), Section III. B. 2. Endangered Species, the section is amended to reflect the level of concern for endangered plants is exceeded when olive trees are treated at the rate of 0.33 lb ae/A. However, the Agency has not drawn any definitive conclusions regarding whether naphthalene acetates have effects on listed plants that may be in the vicinity of olive trees grown in the six California counties where NAA is used for fruit thinning.

- In the RED (as amended), Section V. Label Changes. The bullet point for maximum single application rate is amended to allow 0.33 lb ae/A for use on olive trees.

Label Table Revisions:

- Table 4: Summary of Labeling Changes for Naphthalene Acetates was amended to allow the use of up to 0.33 lb NAA equivalent per acre on olive trees.

- The Spray Drift Management section was amended to include recommendations to minimize the potential for off-target movement of NAA sprays.

Overview Revisions:

A number of updates have also been made to Section VI, Overview of Naphthaleneacetic Acid, Its Salts, Ester, and Acetamide Risk Assessments of the RED. The updates to the Overview include the following:

- The Use Profile Section was amended by adding information describing use and rates of application.

- The Dietary Risk from Drinking Water section is amended in the second paragraph to indicate drinking water risk is now assessed for the olive tree use, which now represents higher potential environmental loading from this higher application rate. As a result, Table 2 Modeled 1-Naphthaleneacetic Acid Estimated Drinking Water Concentrations (EDWCs) from Surface and Ground Water Sources and Table 4 Naphthalene Acetates Drinking Water Levels of Comparison (DWLOC) and EDWCs are amended to reflect the potentially higher concentrations of NAA in drinking water sources.

- The occupational handler (mixer, loader, and applicator) and post-application risk estimates (MOEs) were revised to reflect the higher olive tree application rate.

- In the Ecological Risk section, the 2nd and 3rd paragraphs are amended to reflect slight changes in the risk quotients because of the higher use rate on olive trees.

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I. Determination of Reregistration Eligibility for the Naphthalene Acetates

Section 4(g)(2)(A) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) calls for the Environmental Protection Agency (EPA or the Agency) to determine, after submission of relevant data concerning an active ingredient, whether products containing the active ingredient are eligible for reregistration, which is set forth in this reregistration eligibility decision (RED). The Agency has previously identified and required the submission of the generic (i.e., an active ingredient specific) data required to support reregistration of products containing naphthalene acetate active ingredients.

The Agency has completed its assessment of the dietary, residential, occupational, and ecological risks associated with the use of currently registered pesticide products containing naphthalene acetate active ingredients. Based on a review of these data and registrant comments on the Agency's assessments for the naphthalene acetate active ingredients, EPA has sufficient information on the human health and ecological effects of the naphthalene acetates to make decisions as part of the tolerance reassessment process under the Federal Food, Drug and Cosmetic Act (FFDCA) and reregistration under FIFRA, as amended by the Food Quality Protection Act (FQPA). The Agency has determined that the naphthalene acetates are eligible for reregistration provided that: (i) current data gaps and additional data needs are addressed and (ii) the label changes outlined in this document are adopted. Accordingly, should a registrant fail to implement any of the label changes or other measures identified in this document, the Agency may take further regulatory action for the naphthalene acetates.

II. Chemical Overview

A. Regulatory History

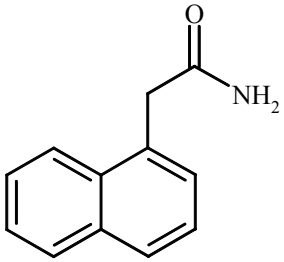
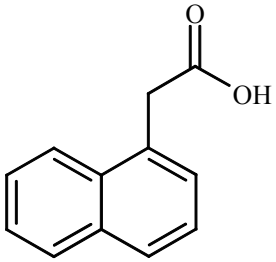
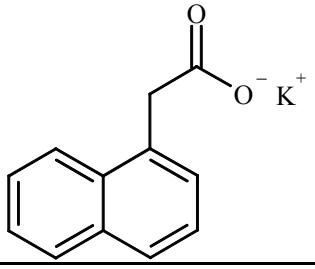
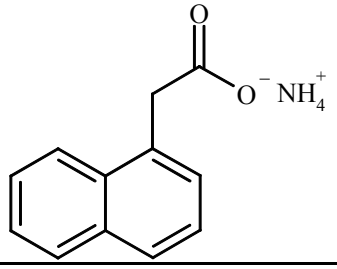
The first naphthalene acetate end-use product (with the naphthalene acetamide as the active ingredient), Rootone Brand Rooting Hormone with Fungicide, was registered in 1952. Its labeled use was to stimulate root growth of cuttings of a number of ornamental plants, vines and shrubs, deciduous trees, and evergreens. Seven more naphthalene acetates, including naphthalene acetic acid (NAA), were registered in the early to mid-1960s. There are six active ingredients currently registered as part of the naphthalene acetates case.

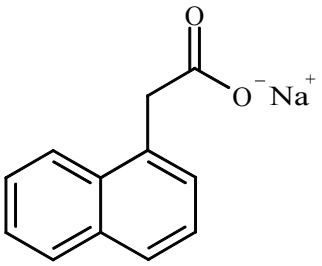
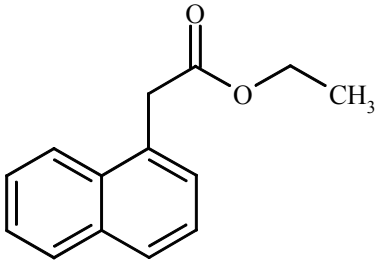
In August 1981, EPA published a Registration Standard for "Naphthaleneacetic Acid its, Salts, Ester, and Acetamide." This document described the uses and established the data requirements to reregister the six supported naphthalene acetates. Tolerances were established for NAA in/on apples, pears, quinces, olives, and pineapples (as the sodium salt); for the ethyl ester of NAA in/on apples, pears, and olives; and for naphthaleneacetamide in/on apples and pears. Data Call-ins (DCIs) were issued in October and November 1990 and October 1995. The 1990 DCIs mainly restated data requirements of the Registration Standard. The 1995 DCI required data to discern post-application (reentry) occupational and residential exposure.

B. Chemical Identification

- Common Family: Naphthalene acetates
- Case number: 0379
- Basic manufacturer: Amvac Chemical Company

Table 1. Naphthalene Acetates Nomenclature

Common name	**NAA acetamide (NAAm)**	**NAA**
Chemical structure		
Molecular Formula	$C_{12}H_{11}NO$	$C_{12}H_{10}O_2$
Molecular Weight	185.23	186.20
CAS name	1-naphthaleneacetamide	1-naphthaleneacetic acid
CAS #	86-86-2	86-87-3
PC Code	056001	056002
Common name	**NAA potassium salt**	**NAA ammonium salt**
Chemical structure		
Molecular Formula	$C_{12}H_{10}O_2K$	$C_{12}H_{13}NO_2$
Molecular Weight	225.31	203.24
CAS name	1-naphthalene acetic acid, potassium salt	1-naphthaleneacetic acid, ammonium salt
CAS #	15165-79-4	25545-89-5
PC Code	056003	056004

Common name	**NAA sodium salt**	**NAA ethyl ester (NAA-OEt)**
Chemical structure		
Molecular Formula	$C_{12}H_{10}O_2Na$	$C_{14}H_{14}O_2$
Molecular Weight	209.2	214.26
CAS name	1-Naphthaleneacetic acid, sodium salt	1-Naphthaleneacetic acid, ethyl ester
CAS #	61-31-4	2122-70-5
PC Code	056007	056008

C. Use Profile and Estimated Use of Pesticide

1-Naphthaleneacetic acid (NAA), its salts, ester, and acetamide are plant growth regulators (PGR) which are collectively referred to as naphthalene acetates. The PGR activity of NAA is due to its structural similarity to the natural plant hormone indole acetic acid (IAA). They are currently registered for use on various orchard and fruit crops including apple, cherry, olive, orange, pear, tangelo, and tangerine. As plant growth regulators, they may be used on the above-listed crops to prevent preharvest drop of fruits, thin fruit trees, and delay flower induction. They can also stimulate growth and delay leaf drop on ornamentals.

Approximately 20,000 lbs of the naphthalene acetate active ingredients are applied annually in the U.S. The registered formulation classes of naphthalene acetates, which may be used on food/feed crops, include wettable powder, dust, flowable concentrate, soluble concentrate, and ready-to-use liquid. These formulations may be applied using broadcast ground or aerial equipment, hand-held sprayers, paint brush, dip treatment or soil drench. The naphthalene acetates are typically applied as a dilute (1-2%) spray solution, and the timing of treatment vary depending on the purpose of treatments. The ethyl ester and acetamide of NAA are used early in the season to control sprout formation and fruit set (thinning), respectively. NAA or its ammonium, potassium, or sodium salts can be used either early in the season for fruit thinning or later in the season for control of fruit drop.

III. Summary of Human Health and Environmental Risk Assessments

The Agency's human health and environmental risk findings for the naphthalene acetate pesticides are summarized in the *Overview of Naphthaleneacetic Acid Its Salts, Ester, and Acetamide Risk Assessments*, revised February 1, 2007, which is located in Section VI of this document. The findings contained in the *Overview* are hereby incorporated in this RED. A complete list of supporting documents detailing EPA's human health and ecological risk findings and conclusions for the naphthalene acetates are provided in Appendix C. These technical support documents for the naphthalene acetates are available on the Internet at

http://www.regulations.gov (docket # EPA-HQ-OPP-2006-0507) and in the Office of Pesticide Program's (OPP) public docket for viewing. The OPP docket is located in Room S-4400, One Potomac Yard (South Building); 2777 S. Crystal Drive, Arlington, VA, and is open Monday through Friday, excluding legal holidays, from 8:30 AM to 4:00 PM.

A. Human Health Risk Assessment

For the purpose of the human health risk assessment, all forms of the naphthalene acetates are combined (1-Naphthaleneacetic acid (NAA), its salts, ester, and acetamide) because they are structurally related and are metabolized to the acid form and eliminated from the body as glycine and glucuronic acid conjugates within 48 hours after exposure. The Agency conducted a screening-level risk assessment for the naphthalene acetates in which high-end assumptions were used for most key parameters. Analyses of dietary (food), drinking water, residential and occupational exposure pathways were evaluated in the naphthalene acetates risk assessment. An aggregate assessment of risk from the combined food and drinking water pathways was also conducted.

The Agency has reviewed all toxicity studies submitted and has determined that the toxicity database is essentially complete to support a reregistration eligibility determination for all currently registered uses of the naphthalene acetates. The naphthalene acetates show low acute toxicity, are not mutagenic, and are not expected to be carcinogenic. The most common effect (acute or short-term) from high exposure to the naphthalene acetates is reduced body weight gain. Chronic effects include: vomiting, stomach lesions, and slight sinusoidal histiocytosis in the livers of males. EPA has not identified any metabolites (break down substances) of toxicological concern. A summary of the toxicological endpoints selected and other factors used in the human health risk assessment are provided in Table 2.

Table 2. Summary of Toxicological Endpoints and Other Factors Used in the Risk Assessment of the Naphthalene Acetates

Exposure Scenario	Dose (mg/kg/day)	Endpoint	Study	Uncertainty Factor	FQPA Safety Factor	PAD - (mg/kg/day)
Dietary Risk Assessment						
Acute Dietary all populations	NOAEL = 50 LOAEL = 250	decreased body weight gain during gestation period.	Rat Developmental	100	1X	0.5
Chronic Dietary all populations	NOAEL = 15 LOAEL = 75	vomiting, stomach and liver effects	Chronic Dog	100	1X	0.15

Exposure Scenario	Dose (mg/kg/day)	Endpoint	Study	Uncertainty Factor	FQPA Safety Factor	PAD - (mg/kg/day)
Occupational and Residential Risk Assessment						
Dermal Short-Term (1 - 30 days)	NOAEL = 300 LOAEL = 1000	reduced body weight gain and food efficiency	21-day Dermal Rat	100	1X	N/A
Inhalation Short-Term (1 - 30 days)	NOAEL = 50* LOAEL = 150	decreased body weight gain during gestation period.	Oral Developmental Rat	100	N/A	N/A

NOAEL = No Observable Adverse Effects Level LOAEL - Lowest Observable Adverse Effects Level
PAD = Population Adjusted Dose
No intermediate-term (1 - 6 Months) or long-term (> 6 Months) dermal or inhalation exposure scenarios were identified - therefore, toxicity endpoints were not selected.
* Inhalation NOAEL is based on an oral study with route adjustment (adjust from oral/ingestion to inhalation route)

The Food Quality Protection Act Safety Factor (FQPA SF) was removed (reduced to 1X) for all population subgroups. In the toxicology database, there was no quantitative or qualitative evidence of increased susceptibility in rat or rabbit fetuses following *in utero* exposure to naphthalene acetates or to pre- and post-natal exposure in rat reproduction studies. The Agency determined that this safety factor is adequate to protect infants and children because there are no residual uncertainties in the exposure databases, the toxicology database is complete, and the endpoint and NOAELs/LOAEL for risk assessment were well defined.

1. Dietary Risk From Food

Acute (one day) and chronic (lifetime) dietary naphthalene acetates exposure and risk estimates resulting from food intake were determined for the general U.S. population and various population subgroups using conservative assumptions and two different computer models (DEEM-FCID™ and Lifeline) that use surveys of U.S. dietary consumption patterns. Based on analyses of estimated dietary risks for the general U.S. population and various population subgroups, the acute and chronic dietary exposure estimates for naphthalene acetates are significantly below EPA's level of concern for all supported commodities and not a risk of concern; therefore, no measures are necessary to mitigate dietary risk from food. No cancer dietary exposure assessment was performed because carcinogenicity studies do not indicate a carcinogenic concern.

2. Dietary Risk from Water

Dietary exposures from drinking water contaminated with concentrations of the naphthalene acetates can potentially occur from sources of ground water and surface water in areas where these pesticides are used. EPA calculated estimated drinking water concentrations

(EDWCs) for the naphthalene acetates using screening-level computer models that provide high-end estimates of pesticide concentrations for surface water and ground water sources. Based on these models, all EDWCs are low and do not pose risks of concern; therefore, no measures are necessary to mitigate dietary risk from drinking water.

3. Residential Risks

Residential uses are limited to application of naphthalene acetates to stimulate root growth (root dips and soil drench) and application of the ethyl ester of naphthalene acetates to control sprouts and sucker growth on fruit and ornamental trees. Both uses are considered short-term (1 - 30 days) exposure scenarios. Estimated dermal and inhalation margins of exposure (MOEs) for the most highly exposed scenario of residential exposure to the naphthalene acetates are well above the target MOE of 100 and do not pose risks of concern; therefore, no measures are necessary to mitigate risk from residential uses.

4. Aggregate Risk

The aggregate risk assessment integrates the assessments conducted for food and drinking water, and residential exposure where appropriate. Since there is potential for concurrent exposure via the food, drinking water and short-term residential exposure pathways, the combined exposures are estimated. The acute and chronic aggregate risk assessments for naphthalene acetates include exposure from food and drinking water only. Both acute and chronic aggregate risks are not of concern; therefore, no measures are necessary to mitigate risk from the aggregation of dietary (food and drinking water) exposures. Short-term aggregate risk cannot be estimated for dietary and residential exposures, because the toxicity endpoints selected for the dietary routes of exposure and those selected for residential exposures of the naphthalene acetates are not based on common effects.

5. Occupational Handler and Post-Application Risks

Based on actively registered labels for the naphthalene acetates, EPA assessed 12 scenarios for the naphthalene acetates RED. For all handler scenarios evaluated, except one, both dermal and inhalation MOEs for occupational handlers are above the target MOE of 100, and are not of concern, using baseline personal protective equipment (PPE), which includes long-sleeved shirt, long pants, shoes, and socks. In one scenario, mixer/loaders with baseline equipment handling NAA for aerial application, the MOE is estimated to be 44, based on a maximum application rate of 0.33 lb ae/A for olive trees and assuming 500 acres are treated in a day. However, based on a review of California's Department of Pesticide Regulations (CA DPR) Pesticide Use Data on olive trees, the Agency believes this scenario greatly overestimates the potential exposure risk to handlers. According to the California Olive Commission, primarily the Manzillo (and occasionally Ascolano and Mission) variety olives grown in Tulare, Madera, Kern, Fresno, Glenn, and Tehama counties in California require up to 0.33 lb ae/A of naphthalene acetates for crop thinning. CA DPR data on naphthalene acetate use on olive trees shows for the period 1990 - 2004 (the most recent year available), a range of 15 – 60 applications occurred on 250 - 1500 acres annually. Moreover, aerial application has only occurred in one year (2003), and in that year the few days it did occur, treatments were made to less than 100

acres/day. As a result, aerial applications to olive trees are expected to be made to much less than the assumed 500 acres per day; thus, the estimated MOE is expected to be much greater than 44 for these types of applications. For example, if 100 acres of olives per day were treated aerially, the estimated MOE for mixer/loaders would be 220 at the maximum application rate. At least 300 acres per day would need to be treated in order for the estimated MOE to be less than 100, which does not appear likely given the available use data. Therefore, the Agency believes all naphthalene acetate handler risks are not of concern and all handlers will only be required to wear baseline PPE.

For individuals who can be exposed to pesticides after entering areas previously treated with pesticides and performing certain activities (also often referred to as reentry exposure), two occupational post-application scenarios were assessed for the naphthalene acetates. Post-application exposures are based on dermal routes only, inhalation exposure is not expected. The MOEs for the two post-application exposure scenarios are well above the target MOE of 100 on the day of application and, therefore, not of risk concern. As a result no measures are necessary to mitigate risk from occupational exposures.

B. Environmental Risk Assessment

1. Risk to Non-Target Species

Based on the limited data set available, EPA believes that the naphthalene acetates risks are not of concern to non-target organisms, including mammals, birds, aquatic organisms, and non-endangered, non-target plants. Risks to terrestrial insects cannot be quantified, but the available data do not suggest a substantial potential for adverse effects. Therefore, no measures are needed to mitigate risk to non-target species and non-endangered, non-target plants.

2. Endangered Species Assessment

For endangered species, the Agency adopts lower levels of concern (LOCs) for risks to some groups – i.e., 0.1 for mammals and birds and 0.05 for aquatic animals – relative to LOCs for acute risks in non-endangered species – i.e., 0.5 for mammals and birds as well as aquatic animals. Based on the environmental risk assessment, the Agency's LOCs for endangered and threatened species for mammals, birds, aquatic animals and plants are not exceeded for the naphthalene acetates, except for endangered plants, based on use on olive trees at a rate of 0.33 lb ae/A. Hence, the Agency concludes that the use of NAA, except on olive trees at a rate of 0.33 lb ae/A, will have no effect on any endangered or threatened species or their critical habitat, from the uses currently registered.

Through the Agency's screening-level ecological risk assessment, the potential for effects to listed plants from the use of naphthalene acetates on olive trees has been refined to a very small geographic area. However, a species specific assessment for that area has not been completed. Until such time as that assessment is completed, the Agency cannot draw any definitive conclusions regarding whether the naphthalene acetates have effects on listed plants that may be in the vicinity of olive trees grown in Tulare, Madera, Kern, Fresno, Glenn, and Tehama counties in California. Further, potential indirect effects to any species dependent upon

a species that experiences effects from use of naphthalene acetates on olive trees cannot be precluded based on the screening-level ecological risk assessment. These findings are based solely on EPA's screening-level assessment and do not constitute "may effect" findings under the Endangered Species Act.

C. Cumulative Risk

The estimated risks summarized in this document are those that result only from the use of the naphthalene acetates. FQPA requires that the Agency consider "available information" concerning the cumulative effects of a particular pesticide's residues and "other substances that have a common mechanism of toxicity." The reason for consideration of other substances is due to the possibility that low-level exposures to multiple chemical substances that cause a common toxic effect by a common toxic mechanism could lead to the same adverse health effect as would a higher level of exposure to any of the substances individually. Unlike other pesticides for which EPA has followed a cumulative risk approach based on a common mechanism of toxicity, EPA has not made a common mechanism of toxicity finding for the naphthalene acetates. They do not appear to produce a toxic metabolite produced by other substances. Therefore, for the purposes of the risk assessments, EPA has not assumed that the naphthalene acetates have a common mechanism of toxicity with other substances. For information regarding EPA's efforts to determine which chemicals have a common mechanism of toxicity and to evaluate the cumulative effects of such chemicals, see the policy statements released by the EPA's Office of Pesticide Programs concerning common mechanism determinations and procedures for cumulating effects from substances found to have a common mechanism on EPA's website at http://www.epa.gov/pesticides/cumulative/.

D. Endocrine Disrupter Effects

EPA is required under the FFDCA, as amended by FQPA, to develop a screening program to determine whether certain substances (including all pesticide active and other ingredients) *"may have an effect in humans that is similar to an effect produced by a naturally occurring estrogen, or other such endocrine effects as the Administrator may designate."* Following the recommendations of its Endocrine Disruptor Screening and Testing Advisory Committee (EDSTAC), EPA determined that there were scientific bases for including, as part of the program, the androgen and thyroid hormone systems, in addition to the estrogen hormone system. EPA also adopted EDSTAC's recommendation that the Program include evaluations of potential effects in wildlife. When the appropriate screening and/or testing protocols being considered under the Agency's EDSP have been developed and vetted, the naphthalene acetates may be subjected to additional screening and/or testing to better characterize effects related to endocrine disruption.

E. Tolerance Summary

The Agency has determined that the terminal residues of concern in plants, resulting from currently registered food/feed uses, are the parent compound, NAA and its conjugates. There are several tolerance expressions for naphthalene acetates resulting from applications of NAA, its salts, ester, and acetamide. Currently, the tolerances listed under 40 CFR §180.155 (a) are for residues of 1-naphthaleneacetic acid. The tolerances listed under 40 CFR §180.155 (b) are for residues of the ethyl ester of 1-naphthaleneacetic acid. The tolerances listed under 40 CFR §180.309 are for residues of α-naphthaleneacetamide and its metabolite α-naphthaleneacetic acid (calculated as α-naphthaleneacetic acid). According to 40 CFR §180.3(d)(7), for commodities having both NAA and NAA metabolite tolerances, the total amount of residues, calculated as NAA, shall not exceed the higher of the two tolerances.

EPA is now recommending that various NAA tolerance expressions under 40 CFR §180 be combined in §180.155(a). In 40 CFR §180.155, the Agency is recodifying paragraph (b) and the table under it from (b) to (a). Also, to conform to current Agency practice, paragraphs (b), (c), and (d) should be established and reserved as follows:

(b) Section 18 emergency exemptions. [Reserved]
(c) Tolerances with regional registrations. [Reserved]
(d) Indirect or inadvertent residues. [Reserved]

Consequently, 40 CFR §180.309 will be removed because that specific tolerance expression is no longer needed since it is included in the recodified paragraph (a).

Available olive residue data using application rates representative of the use pattern in a region where the naphthalene acetate products are commonly used, show residues of NAA range from 0.306 to 0.604 ppm, which is above the current tolerance level of 0.1 ppm. Therefore, the Agency is recommending that the tolerance on olive for combined residues of 1-naphthaleneacetic acid, its ammonium, sodium, and potassium salts, ethyl ester, and acetamide should be increased to 0.7 ppm in 40 CFR §180.155(a).

At this time, the Agency has tentatively determined that NAA is a Category 3 pesticide (i.e., no reasonable expectations of finite residues of concern in meat and milk). This tentative conclusion is reserved pending submission of the required citrus processing study and a determination of the residues in the processed commodities of citrus fruits. When the requested processing data are submitted, the Agency will re-evaluate NAA's Category 3 determination and, if necessary, recalculate the estimated dietary burden for ruminants. There are no poultry feed items associated with the currently registered food/feed uses of naphthalene acetates.

The reassessed tolerance for sweet cherry is contingent upon revising existing labels to specify a 30-day pre-harvest interval. EPA is also recommending that the naphthalene acetate tolerances currently established for apple, pear and quince be reassigned to fruit, pome; and the tolerance level be lowered to 0.1 ppm because residue levels from field trial data never exceeded 0.06 ppm. A summary of the tolerance reassessments and the changes to occur under 40 CFR §180.155 for the naphthalene acetates is presented in Table 3.

Table 3. Tolerance Reassessment Summary for Naphthalene Acetates.

Commodity	Current Tolerance (ppm)	Tolerance Reassessment (ppm)	Comment/ *[Correct Commodity Definition]*
Tolerances Listed Under 40 CFR §180.155 (a)			
Apple	1	Reassign 0.1	Crop group tolerance is being established at 0.1 ppm based on field trial data that indicate a range of <0.02 (nondetectable) to 0.06 ppm residues for NAA-OEt, NAAm, and NAA-potassium salt. *[fruit, pome, group 11]*
Cherry, sweet	0.1	0.1	Residues of NAA in/on whole cherries were each nondetectable (<0.04 ppm) in/on treated samples collected at 2 hours, 15 days, and 30 days post-treatment.
Olive	0.1	0.7	Residues of NAA ranged from 0.306 to 0.610 ppm in/on olives harvested 102-112 days following the last of two sequential treatments.
Oranges, sweet	0.1	0.1	The maximum expected residue of NAA resulting from registered uses on oranges is 0.05 ppm. [*Orange*]
Pear	1	Reassign 0.1	Crop group tolerance is being established at 0.1 ppm based on field trial data that indicate a range of <0.02 (nondetectable) to 0.06 ppm residues for NAA-OEt, NAAm, and NAA-potassium salt. *[fruit, pome, group 11]*
Pineapple (from application of sodium salt to growing crop)	0.05	0.05	Registrant is supporting tolerance for importation purposes only.
Quince	1	Reassign 0.1	Crop group tolerance is being established at 0.1 ppm based on field trial data that indicate a range of <0.02 (nondetectable) to 0.06 ppm residues for NAA-OEt, NAAm, and NAA-potassium salt. *[fruit, pome, group 11]*
Tangerine	0.1	0.1	The residue data that were submitted by IR-4 for tangerine and in combination with orange, through PP#7E1956, are adequate to support reregistration requirements.
Tolerances Currently Listed Under 40 CFR §180.155 (b) ** all tolerances in this section are to be reassigned to 40 CFR §180.155 (a) **			
Apple	1	Reassign 0.1	See Comments for apple above under 40 CFR §180.155 (a). *[fruit, pome, group 11]*
Pear	1	Reassign 0.1	See Comments for pear above under 40 CFR §180.155 (a). *[fruit, pome, group 11]*
Olive	0.1	Reassign 0.7	See Comments for olive above under 40 CFR §180.155 (a).
Tolerances Currently Listed Under 40 CFR §180.309 ** all tolerances in this section are to be reassigned to 40 CFR §180.155 (a) **			
Apple	0.1	Reassign 0.1	See Comments for apple and pear above under 40 CFR §180.155 (a). *[fruit, pome, group 11]*
Pear	0.1	Reassign 0.1	

Codex/International Harmonization

No maximum residue limits (MRLs) for NAA, its salts, ester, and acetamide have been established in the Codex *Alimentarius*, the food code established by the UN's World Health Organization and the Food and Agriculture Organization; therefore, issues of compatibility between Codex MRLs and U.S. tolerances do not exist. Moreover, no Canadian or Mexican MRLs have been established for naphthalene acetates. For more information on Codex see http://www.codexalimentarius.net/standard_list.asp.

IV. Confirmatory Generic Data Requirements

The generic database supporting the reregistration of the naphthalene acetates is substantially complete, except for the following additional required confirmatory data:

- UV/Visible Absorption (OPPTS 830.7050)
- Storage stability data on the processed commodities of apples (or citrus fruits) and olives. (OPPTS 860.1380)
- Data depicting residues of NAA and its conjugates in the processed commodities of citrus (dried pulp, oil, and juice). (OPPTS 860.1520)
- The replenishment of analytical reference standards for all registered NAA acid salts, ester, and acetamide as requested by the Repository. (OPPTS 860.1650)

V. Label Changes:

In order to be eligible for reregistration, all product labels are to be amended to incorporate measures outlined in this RED document. Furthermore, many of the existing labels for the naphthalene acetates need to be revised to provide clear use directions. EPA, through discussions with the registrant, user groups, and USDA, determined the following maximum use pattern information are to be clearly stated on naphthalene acetates product labels. Table 4 describes how language on the labels should be amended.

- Maximum single application rate:	0.11 lb ae/acre 0.33 lb ae/acre (olive trees only)
- Maximum application rate for all uses per year or crop cycle:	0.33 lb ae/acre/year or crop cycle
- Minimum re-treatment interval between applications:	5 days
- Restricted Entry Interval (REI):	48 hours for NAA; NAA Potassium Salt; NAA Ammonium Salt; NAA Sodium Salt; and NAA Acetamide 12 hours for NAA Ethyl Ester

Table 4: Summary of Labeling Changes for Naphthalene Acetates

DESCRIPTION	AMENDED LABELING LANGUAGE	PLACEMENT ON LABEL
Manufacturing Use Products		
For all Manufacturing Use Products	"Only for formulation into plant growth regulators for the following use(s) [*fill blank only with those uses that are being supported by MP registrant*]."	Directions for Use
One of these statements may be added to a label to allow reformulation of the product for a specific use or all additional uses supported by a formulator or user group	"This product may be used to formulate products for specific use(s) not listed on the MP label if the formulator, user group, or grower has complied with U.S. EPA submission requirements regarding support of such use(s)." "This product may be used to formulate products for any additional use(s) not listed on the MP label if the formulator, user group, or grower has complied with U.S. EPA submission requirements regarding support of such use(s)."	Directions for Use
Environmental Hazards Statements Required by the RED and Agency Label Policies	"Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollution Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA."	Precautionary Statements
End Use Products Intended for Occupational Use		
PPE Requirements Established by the RED[1] for All Formulations	"Personal Protective Equipment (PPE)" "All mixers, loaders, applicators, flaggers, and other handlers must wear: Long-sleeved shirt and long pants, Shoes plus socks."	Immediately following/below Precautionary Statements: Hazards to Humans and Domestic Animals
User Safety Requirements	"Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry."	Precautionary Statements: Hazards to Humans and Domestic Animals immediately following the PPE requirements

Table 4: Summary of Labeling Changes for Naphthalene Acetates

DESCRIPTION	AMENDED LABELING LANGUAGE	PLACEMENT ON LABEL
End Use Products Intended for Occupational Use		
User Safety Recommendations	"User Safety Recommendations Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing."	Precautionary Statements under: Hazards to Humans and Domestic Animals immediately following Engineering Controls (Must be placed in a box.)
Environmental Hazards	"For terrestrial uses: Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate."	Precautionary Statements immediately following the User Safety Recommendations
Restricted-Entry Interval for Products Formulated with any of the Following Active Ingredients: NAA NAA Potassium Salt NAA Ammonium Salt NAA Sodium Salt NAA Acetamide	"Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 48 hours."	Directions for Use, Under Agricultural Use Requirements Box

Table 4: Summary of Labeling Changes for Naphthalene Acetates

DESCRIPTION	AMENDED LABELING LANGUAGE	PLACEMENT ON LABEL
End Use Products Intended for Occupational Use		
Early Entry Personal Protective Equipment established by the RED for the Following Active Ingredients: NAA NAA Potassium Salt NAA Ammonium Salt NAA Sodium Salt NAA Acetamide.	"PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: * coveralls, * shoes plus socks, * chemical-resistant gloves made of any waterproof material, * protective eyewear"	Direction for Use Agricultural Use Requirements box
Restricted-Entry Interval for Products Formulated with NAA Ethyl Ester	"Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours." (Products containing NAA Ethyl Ester may be eligible for a 4 hour REI. Registrants are required to submit the required certification statement to the Agency and formally request the 4-hour REI as specified in PR Notice 95-3.)	Directions for Use, Under Agricultural Use Requirements Box
Early Entry Personal Protective Equipment established by the RED for NAA Ethyl Ester	"PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: * coveralls, * shoes plus socks * chemical-resistant gloves made of any waterproof material"	
General Application Restrictions	"Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application."	Place in the Direction for Use directly above the Agricultural Use Box.

Table 4: Summary of Labeling Changes for Naphthalene Acetates

DESCRIPTION	AMENDED LABELING LANGUAGE	PLACEMENT ON LABEL
End Use Products Intended for Occupational Use		
Other Application Restrictions (Risk Mitigation)	"For broadcast use, the maximum application rate is 0.11 pound active ingredient per acre of NAA equivalent for all uses, except olive trees which may use up to 0.33 pound active ingredient per acre of NAA equivalent. [*Registrant: state the maximum use rate as a maximum rate of pounds or gallons of formulation per acre equivalent to 0.11 (or 0.33 for olive trees) pound active ingredient per acre or less.*]" "The maximum application rate per year or crop cycle is not to exceed 0.33 pound active ingredient per acre of NAA equivalent. [*Registrant: state the maximum rate per year or crop cycle as a maximum rate of pounds or gallons of formulation per acre equivalent to 0.33 pound active ingredient per year or crop cycle or less.*]" "The minimum interval between applications is to be no less than 5 days."	Directions for Use
Spray Drift	"SPRAY DRIFT MANAGEMENT" "A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and method of application (e.g., ground, aerial, airblast) can influence pesticide drift. The applicator and grower must evaluate all factors and make appropriate adjustments when applying this product." Wind speed restriction: "Do not apply when wind speeds are greater than 10 mph at the application site." Specific language for orchard air blast: "Sprays must be directed into the crop canopy." "Outward pointing nozzles should be turned off at row ends and when spraying outer rows." "For ground based applications and aerial applications, use only medium or courser spray droplets (or nozzles) according to ASABE (S572) definition for standard nozzles."	Directions for Use

Table 4: Summary of Labeling Changes for Naphthalene Acetates

DESCRIPTION	AMENDED LABELING LANGUAGE	PLACEMENT ON LABEL
End Use Products Intended for Residential Use		
Application Restrictions	"Do not apply this product in a way that will contact any person, or pet, either directly or through drift. Keep people and pets out of the area during application."	Directions for Use under General Precautions and Restrictions
Entry Restrictions	Liquid: "Do not allow people or pets to enter the treated area until sprays have dried."	Directions for use under General Precautions and Restrictions
Environmental Hazards	"Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters or rinsate."	

[1] PPE that is established on the basis of Acute Toxicity of the end-use product must be compared to the active ingredient PPE in this document. The more protective PPE must be placed in the product labeling. For guidance on which PPE is considered more protective, see PR Notice 93-7.

VI. Overview

The following *Overview of Naphthaleneacetic Acid Its Salts, Ester, and Acetamide Risk Assessments* provides further details on the human health and environmental risk assessments and conclusions.

Overview of Naphthaleneacetic Acid, Its Salts, Ester, and Acetamide Risk Assessments

Revised October 16, 2007

Introduction

This section summarizes the Environmental Protection Agency's (EPA or the Agency) human health risk and environmental assessments and conclusions for the chemicals collectively referred to as the naphthalene acetates[1]. The naphthalene acetates are plant growth regulators currently registered for use on various orchard and fruit crops and on ornamental trees. Naphthalene acetates are used to stimulate growth, delay flower induction and leaf drop, prevent preharvest fruit drop, thin fruit, and control sprout formation.

The purpose of this overview is to assist the reader by identifying the key features and findings of the risk assessments, and to allow the reader to better understand the conclusions reached in the assessments and in the Reregistration Eligibility Decision (RED). The Agency developed this overview format in response to comments and requests from the public which indicated that the risk assessments were difficult to understand, that they were too lengthy, and that it was not easy to compare the assessments for different chemicals due to differing formats.

The Agency now has adequate information to make eligibility decisions for all of the naphthalene acetate products. EPA has reviewed the data provided by the naphthalene acetates registrant and data available in the public literature. Using this information, EPA has conducted assessments of the human health and environmental risks for the labeled use of the naphthalene acetate products. These assessments and all their supporting technical documents are posted on the Internet (http://www.regulations.gov) under docket number EPA-HQ-OPP-2006-0507.

The estimated risks summarized in this section are those that result only from the use of the naphthalene acetates. The Food Quality Protection Act (FQPA) requires that the Agency consider "available information" concerning the cumulative effects of a particular pesticide's residues and "other substances that have a common mechanism of toxicity." The reason for consideration of other substances is due to the possibility that low-level exposures to multiple chemical substances that cause a common toxic effect by a common toxic mechanism could lead to the same adverse health effect as would a higher level of exposure to any of the substances individually. Unlike other pesticides for which EPA has followed a cumulative risk approach based on a common mechanism of toxicity, EPA has not made a common mechanism of toxicity finding for the naphthalene acetates. They do not appear to produce a toxic metabolite produced

[1] Naphthalene acetates include: 1-Naphthaleneacetamide, 1-Naphthalene acetic acid, Potassium 1-naphthaleneacetate, Ammonium 1-naphthaleneacetate, Sodium 1-naphthaleneacetate, Ethyl 1-naphthaleneacetate

by other substances. For the purposes of the risk assessments, therefore, EPA has not assumed that the naphthalene acetates have a common mechanism of toxicity with other substances. For information regarding EPA's efforts to determine which chemicals have a common mechanism of toxicity and to evaluate the cumulative effects of such chemicals, see the policy statements released by the EPA's Office of Pesticide Programs concerning common mechanism determinations and procedures for cumulating effects from substances found to have a common mechanism on EPA's website at http://www.epa.gov/pesticides/cumulative/.

Use Profile

The naphthalene acetates are plant growth regulators. The plant growth regulating activity of the naphthalene acetates is due to their structural similarity to the auxin, indole acetic acid (IAA), the most common, naturally occurring plant growth hormone. Auxins promote growth in excised plant organs, induce adventitious roots, inhibits axillary bud growth, and regulates gravitropism. Naphthalene acetates are used to stimulate growth, delay flower induction and leaf drop, prevent preharvest fruit drop, thin fruit, and control sprout formation and sucker growth.

Technical Registrant: AMVAC Chemical Company

Use Sites and Use Related Information:

- Approximately 20,000 lbs of the naphthalene acetate active ingredients are applied annually in the U.S.

- The naphthalene acetates are registered for use on apples, pears, citrus (mandarin, oranges, tangelos, tangerines, and non-bearing), olives, cherries, some non-bearing fruit and nut trees, ornamental plants (herbaceous, non-flowering trees, woody shrubs and vines) and shade trees. They also have residential uses to stimulate root growth (root dips and soil drench) and to control sprouts and sucker growth on fruit and ornamental trees.

- Apples and pears represent approximately 95% of the total active ingredient used annually with all other registered use sites accounting for the remaining use.

Formulations:

- Thirty-Eight active products are currently registered for the naphthalene acetates with 12 Special Local Need registrations (FIFRA §24(c)) in California, Oregon and Washington.

- Current registered products include the following formulations: dust (0.2% active ingredient or a.i.), emulsifiable concentrate (6.25-15.1% a.i.), wettable powder (7.1-8.4% a.i.), soluble

concentrate/liquid (0.1-24.2% a.i.), ready-to-use (0.08-1.15% a.i.), flowable concentrate (0.45-1.2% a.i.), and pressurized liquid (1% a.i.)

Application Methods and Equipment:

- Thinning and stop drop formulations - ground spray or aerial equipment.
- Sprout/sucker formation control - hand held sprayer and paint brush.
- Root growth stimulant - dilute root dip or soil drench.

Rates of Application:

- The maximum application rate is 0.33 pound of acid equivalent per acre (lb ae/A) for olive trees and 0.11 lb ae/A for all other uses. The maximum annual application rate is 0.33 lb ae/A for all use sites.

Human Health Risk Assessment

Dietary Risk from Food

Acute and chronic dietary exposure assessments were conducted for all supported naphthalene acetates food uses using both Dietary Exposure Evaluation Model software with the Food Commodity Intake Database (DEEM-FCID™, Version 1.3) and Lifeline Model (Version 2) software. The acute and chronic dietary (food) risk analyses were conducted using tolerance values and assuming 100% crop treated (Tier 1). The acute and chronic dietary exposure and risk estimates resulting from intake of food with residues of the naphthalene acetates were determined for the general U.S. population and various population subgroups. No cancer dietary exposure assessment was performed because carcinogenicity studies do not indicate a carcinogenic concern. For detailed information on the dietary risk assessment see the Health Effects Division's (HED) November 20, 2003 *Naphthalene Acetates Acute and Chronic Dietary Exposure Assessment* and the March 30, 2004 *Naphthalene Acetates HED Risk Assessment.*

The assessment concludes that, for all supported commodities, the acute and chronic dietary exposure estimates are well below EPA's level of concern. Naphthalene acetate risks from food consumption are summarized in Table 1 for the general U.S. population and various population subgroups. Risks less than 100% of the Population Adjusted Dose (PAD), either acute (aPAD) or chronic (cPAD), are not of concern to the Agency. The aPAD is the dose at which a person could be exposed on any given day and no adverse health effects would be expected. The cPAD is the dose at which an individual could be exposed over the course of a lifetime and no adverse health effects would be expected.

Table 1. Estimated Acute and Chronic Dietary Exposures and Risks-Naphthalene Acetates

Population Subgroup	Acute (95th %-ile)			Chronic (average exposure)		
	aPAD (mg/kg/day)	Exposure (mg/kg/day)	% aPAD	cPAD (mg/kg/day)	Exposure (mg/kg/day)	% cPAD
U.S. Population	0.5	0.007763	2	0.15	0.001689	1
All Infants (< 1 yr old)	0.5	0.039407	8	0.15	0.008784	6
Children (1-2 yrs)	0.5	0.048857	10	0.15	0.012100	8

Acute Dietary Risk from Food

For acute dietary exposure and risk assessments, individual one-day food consumption data are used on an individual-by-individual basis.

- The acute dietary exposure/risk analysis for all supported naphthalene acetate food uses were conducted using conservative Tier 1 exposure assessments. Tier 1 analyses assume tolerance level residues for all registered uses, 100% crop treated for all commodities with existing tolerances, and default processing factors. Acute dietary risk was then calculated by comparing dietary exposure to the aPAD.

- As shown in Table 1, risk estimates for all commodities are less than 100% of the aPAD for all subpopulations when considering the 95th percentile of exposure. The highest exposed subpopulation (children 1-2 years) is at 10% of the aPAD, and the general population is at 2% of the aPAD.

- EPA calculated the aPAD and acute dietary risk levels for the naphthalene acetates using the following data:

  - The toxicity endpoint selected for acute dietary food exposure is based on a developmental study in rats with a No Observed Adverse Effect Level (NOAEL) of 50 mg/kg/day. Decreased body weight gain with no increase in resorptions during the gestation period was observed at a Lowest Observed Adverse Effect Level (LOAEL) of 250 mg/kg/day.

  - The uncertainty factor (UF) is 100 for acute dietary risk, based on a 10X for standard uncertainties in applying animal studies to humans (interspecies extrapolation) and a 10X for varying effects among individuals (intraspecies variability).

  - The acute reference dose (acute RfD) is 0.5 mg/kg/day, calculated by dividing the NOAEL (50 mg/kg/day) by the UF (100).

  - The Food Quality Protection Act Safety Factor (FQPA SF) was removed (reduced to 1X) for all population subgroups. In the toxicology database, there was no quantitative or

qualitative evidence of increased susceptibility in rat or rabbit fetuses following *in utero* exposure to naphthalene acetates or to pre- and post-natal exposure in rat reproduction studies. The Agency determined that this safety factor is adequate to protect infants and children because there are no residual uncertainties in the exposure databases, the toxicology database is complete, and the endpoint and NOAELs/LOAEL for risk assessment were well defined.

- The aPAD is 0.5 mg/kg/day, and is calculated by dividing the acute RfD (0.5 mg/kg/day) by the FQPA SF. Since the FQPA SF is 1X, the aPAD and the acute RfD are identical.

- The acute dietary exposure analysis is based on the DEEM-FCID™, which uses exposure and consumption data to calculate risk as a percentage of the PAD. The DEEM-FCID™ analysis evaluated individual food consumption as reported by respondents in the USDA 1994-1996 and 1998 Continuing Surveys of Food Intake by Individuals (CSFII). For acute dietary risk assessments, the entire distribution of consumption events for individuals is multiplied by a randomly selected distribution of residues (probabilistic analysis, referred to as "Monte Carlo") to obtain a distribution of exposures.

- Acute dietary (food) risk was also estimated using the Lifeline model (Version 2.0). The Lifeline model estimated acute exposure based on the acute 1-day dietary dose drawn randomly from an age-specific seasonal profile of 1000 individuals. Results of the acute dietary (food) Lifeline analysis are fully consistent with the DEEM-FCID results.

Chronic Dietary Risk from Food

Chronic dietary risk from food is calculated by using the average consumption value for foods and average residue values on those foods over a 70-year lifetime. As previously shown in Table 1, chronic dietary exposure for the naphthalene acetates in all populations subgroups is equal to or less than 8% of the cPAD, and therefore not of concern to the Agency.

- The chronic dietary exposure/risk analysis for all supported naphthalene acetates food uses were conducted using conservative Tier 1 exposure assessments: assuming tolerance level residues for all registered uses, 100% crop treated for all commodities, and default processing factors. Chronic dietary risk was then calculated by comparing dietary exposure to the cPAD.

- EPA calculated the cPAD and dietary risk levels for the naphthalene acetates using the following data:

  - The toxicity endpoint selected for chronic dietary food exposure is based on a one-year oral feeding study in dogs. The NOAEL was 15 mg/kg/day and a LOAEL of 75 mg/kg/day was based on stomach lesions and slight sinusoidal histiocytosis in the livers of males.

- The uncertainty factor (UF) is 100, based on a 10X for standard uncertainties in applying animal studies to humans (interspecies extrapolation) and a 10X for varying effects among individuals (intraspecies variability).

- The chronic reference dose (chronic RfD) is 0.15 mg/kg/day, calculated by dividing the NOAEL (15 mg/kg/day) by the UF (100).

- The FQPA SF was removed (reduced to 1X) for all population subgroups, as discussed in the acute dietary section.

- The cPAD is 0.15 mg/kg/day, and is calculated by dividing the chronic RfD (0.15 mg/kg/day) by the FQPA SF. Because the FQPA SF is 1X, the cPAD and the chronic RfD are identical.

- The chronic dietary exposure analysis is also based on the DEEM-FCID™, as discussed in the acute dietary section. For chronic dietary risk assessments, a 3-day average consumption for each subpopulation is combined with average residues in commodities to determine average exposures.

Dietary Risk from Drinking Water

Information on the determination of Estimated Drinking Water Concentrations (EDWCs) may be found in the November 20, 2003, *Naphthalene Acetates Acute and Chronic Dietary Exposure Assessment*; the March 30, 2004 *Naphthalene Acetates HED Risk Assessment*; and in the Environmental Fate and Effects Division's (EFED) October 26, 2004, *Revised EFED Risk Assessment for the Naphthaleneacetic Acid Reregistration Eligibility Decision: Revision Based on Application at Higher Use Rates*.

Drinking water exposure to pesticides can occur through surface and ground water contamination. EPA considers both acute (one day) and chronic (lifetime) drinking water risks and uses either modeling or actual monitoring data, if available and of sufficient quality, to estimate those risks. However, for the naphthalene acetates water monitoring data are not available.

This section describes the EDWCs of the naphthalene acetates in drinking water. Output values from computer modeling (FIRST and SCIGROW) are based on use of 1-naphthalenacetic acid on olive trees, which represents the highest use rate scenario and results in the highest potential environmental loading. Risks from exposure to these concentrations are discussed later in the section titled "Aggregate Exposure and Risk."

- In the environment, the sodium, potassium, and ammonium salts, amide, and ester of NAA are expected to rapidly degrade to the acid in the environment. Therefore, 1-naphthalenacetic acid is the only residue of concern in drinking water.

- The Agency calculated screening-level EDWCs (high-end estimates) for the naphthalene acetates using computer modeling for both surface (FIRST) and ground water (SCIGROW) sources. Both models provide estimates suitable for screening purposes. Table 2 presents the modeled concentrations for 1-naphthalenacetic acid.

- For the purpose of estimating risks from surface water sources, EPA uses the 1 in 10 year annual peak concentration of 1-naphthalenacetic acid generated by FIRST for acute exposures. For evaluating reasonable worst case chronic concerns, the estimated 1 in 10 year annual mean concentration of 1-naphthalenacetic acid in drinking water is used.

- For estimating both acute and chronic drinking water risks from ground water sources, EPA uses the acute EDWC because NAA in ground water is assumed to be more stable than when in surface water and less likely to exhibit different concentrations over time.

Table 2. Modeled 1-Naphthaleneacetic Acid EDWCs - Surface and Ground Water Sources

Drinking Water Source	Acute Peak (ppb)	Chronic Annual Average (ppb)
Surface Water (FIRST)	17.8	0.98
Ground Water (SCIGROW)	0.001	N/A

Residential Exposure and Risk

Residential uses of the naphthalene acetates are limited to applications to stimulate root growth (dips and soil drench) of ornamentals, and spray applications to control sprouts and sucker growth on fruit and ornamental trees. Only the spray application of naphthalene acetates to control sprout and sucker growth was evaluated for the residential exposure assessment. Residential exposures from root dip applications are expected to be significantly less than spray applications for sucker growth because of the low concentration of NAA in root dip and soil drench products, and the very short exposure duration and limited area of exposure associated with use of these products. Further, only short-term exposures (<30 days) are expected for residential applications of the naphthalene acetates. Post-application exposure to homeowners reentering and children playing in treated areas is expected to be negligible based on the use patterns and were, therefore, not assessed. For detailed information on the residential risk assessment, see the March 10, 2004 *Naphthalene Acetates Occupational and Residential Exposure Assessment* and the March 30, 2004 *Naphthalene Acetates HED Risk Assessment*.

To estimate residential risks, the Agency calculates a margin of exposure (MOE), which is the ratio of the NOAEL selected for risk assessment to the estimated exposure. This MOE is compared to a level of concern which is the same value as the uncertainty factor (UF) applied to a particular toxicity study. The standard UF is 100X (10X to account for interspecies extrapolation and 10X for intraspecies variation), plus any additional safety factor retained due to concerns unique to the protection of infants and children under FQPA. A MOE less than the target MOE, or level of concern (LOC), is generally a risk concern to the Agency.

Residential handlers can be exposed to the naphthalene acetates by mixing, loading, or applying products containing this active ingredient. Exposure assumptions for residential handler included maximum label application rate for an aerosol spray application, application of the entire contents (one quart) of the sprout inhibitor formulation available for residential use, and no protective clothing. Estimated dermal and inhalation margins of exposure (MOEs) for this residential exposure scenario to the naphthalene acetates are 3,800 and 58,000, respectively. The combined MOE is 3,600. These MOEs are well above the target MOE of 100 and not of risk concern.

Toxicity Summary

- Short-term dermal risk assessments for the naphthalene acetates are based on a 21-day dermal toxicity study with a systemic NOAEL of 300 mg/kg/day, based on reduced body weight gain and food efficiency at the LOAEL of 1000 mg/kg/day.

- Short-term inhalation risk assessments for the naphthalene acetates are based on an oral route development study with a NOAEL of 50 mg/kg/day, based on decreased body weight gain during gestation at the LOAEL of 150 mg/kg/day.

- Intermediate and long-term dermal and inhalation exposures from the use of naphthalene acetates are not expected, since they are used only during growing seasons.

- The FQPA SF has been reduced to 1X for the reasons explained above in the dietary section. Therefore, the target MOE from dermal and inhalation exposures is 100.

Table 3. Acute Toxicity Data of NAA

Guideline No.	Test Chemical	MRID #(s)	Results	Toxicity Category
870.1100 Acute Oral	NAA	00103128	LD_{50} = 2520 mg/kg	III
	NAA acetamide	43495901	LD_{50} = >5000 mg/kg	IV
	NAA Na Salt	00108829	LD_{50} = 933-1350 mg/kg	III
	NAA Ethyl Ester	43494101	LD_{50} = 2186 mg/kg	III
870.1200 Acute Dermal	NAA	00103129	LD_{50} = > 2000 mg/kg	III
	NAA acetamide	43495902	LD_{50} = > 2000 mg/kg	III
	NAA Na Salt	00108829	LD_{50} = > 2000 mg/kg	III
	NAA Ethyl Ester	43494102	LD_{50} = > 2000 mg/kg	III
870.1300 Acute Inhalation	NAA	--	--	--
	NAA acetamide	43495903	LC_{50} = > 2.17 mg/L	IV
	NAA Na Salt	--	--	--
	NAA Ethyl Ester	43494103	LC_{50} = > 2.13 mg/L	IV
870.2400 Primary Eye Irritation	NAA	00103127	corrosive	I
	NAA acetamide	00103051	corrosive	I
	NAA acetamide	43495904	minimally irritating	IV
	NAA Na Salt	00108829	corrosive	I
	NAA Ethyl Ester	43494104	minimally irritating	IV
870.2500 Primary Skin Irritation	NAA	00103127	not a skin irritant	IV
	NAA acetamide	--	--	--
	NAA Na Salt	00108829	not a skin irritant	IV
	NAA Ethyl Ester	00103053	not a skin irritant	IV

Guideline No.	Test Chemical	MRID #(s)	Results	Toxicity Category
870.2600 Dermal Sensitization	NAA NAA acetamide NAA Na Salt NAA Ethyl Ester	00153217 43495905 -- 43494105	not a skin sensitizer not a skin sensitizer -- not a skin sensitizer	NA NA -- NA

Aggregate Exposure and Risk

An aggregate risk assessment evaluates the combined risk from dietary exposure to residues in food and drinking water and, if applicable, residential exposure to homeowners. For aggregate risk, EPA typically considers combined exposures from food and residential sources and calculates a drinking water level of comparison (DWLOC), which represents the maximum allowable exposure through drinking water after considering food and residential exposures. If the estimated drinking water concentrations (EDWCs) in water are less than the DWLOCs, EPA does not have concern for aggregate exposure. If EDWCs are greater than DWLOCs, EPA will conduct further analysis to characterize the potential for aggregate risk of concern.

While there is potential for concurrent naphthalene acetate exposure via the food, water, and short-term residential exposure pathways, short-term aggregate risk cannot be estimated for naphthalene acetates because the toxicity endpoints selected for the different exposure pathways are not based on common effects. The toxicity endpoint for chronic dietary and the drinking water routes of exposure are based on systemic effects, while those selected for residential exposures (inhalation and dermal) are based on decreased body weight gain. Therefore, the aggregate exposure assessment for the naphthalene acetates considers only food and drinking water exposures.

Acute and chronic DWLOCs were calculated based on the dietary exposure estimates, default body weights and water consumption figures, and are shown in Table 4. Peak (acute) and average (chronic) modeled EDWCs for both surface water and groundwater are significantly below the acute and chronic DWLOCs for all population subgroups. Hence, aggregate exposure to naphthalene acetates in food and water do not present risks of concern.

Table 4. Naphthalene Acetates Drinking Water Levels of Comparison (DWLOC) and Estimated Drinking Water Concentrations (EDWCs)

	Population Subgroup	DWLOC (ppb)	Surface Water Conc. (ppb)	Ground Water Conc. (ppb)
Acute Risk	All	≥3000	17.8	0.001
Chronic Risk	All	≥1400	0.98	0.001

Occupational Risk

Workers can be exposed by mixing, loading, or applying (handlers) naphthalene acetates or by entering a previously treated site (post-application). Worker risk is also measured as a MOE, which determines how closely the occupational exposure comes to a NOAEL. For detailed information on the occupational risk assessment, see the March 10, 2004 *Naphthalene Acetates Occupational and Residential Exposure Assessment*; March 30, 2004 *Naphthalene Acetates HED Risk Assessment*; and July 13, 2004 *Naphthalene Acetates HED Risk Assessment for Reregistration Eligibility Document (RED); Revised Assessment of Use of Naphthalene Acetates on Olives*.

Only short-term exposures (<30 days) are expected and assessed for occupational exposure scenarios because exposures for more than 30 days is unlikely to occur based on use patterns. Occupational toxicity endpoints and uncertainty factors are the same as those described in the residential risk assessment. However, the Office of Pesticides Programs' policy is to not apply the FQPA SF in occupational risk assessments. No chemical-specific handler or post-application exposure data have been submitted by the registrant. Therefore, an exposure assessment for each handler scenario was developed using PHED Version 1.1 and EPA Standard Operating Procedures for agricultural exposure. The mixer/loader/handler/applicator exposure scenarios were assessed utilizing liquid formulations for the risk assessment because those products had the highest percentage of active ingredients and highest usage patterns when compared to the dry formulations (wettable powder and dust).

Handler Exposure Assessment

- The term "handler" refers to individuals who mix, load, and apply the pesticide product. Based on actively registered labels, EPA assessed 12 handler scenarios for the naphthalene acetates. Mixing and loading for aerial sprayers resulted in the highest level of exposure.

- A target MOE of 100 for the dermal and inhalation routes is considered adequate for the occupational handler risk assessment. Using baseline personal protective equipment (PPE), combined dermal and inhalation MOEs are $\geq$ 130 for all handler scenarios and not a risk of concern, except for the mixer/loaders handling liquids in support of aerial applications to olive trees. The estimated MOE is 44 for this aerial mixer loader scenario, based on a maximum application rate of 0.33 lb ae/A for olive trees, and treating 500 acres per day. More information on this scenario is available in the July 13, 2004 *Revised Assessment of Use of Naphthalene Acetates on Olives.* However, based on a review of California's Department of Pesticide Regulation's (CA DPR) Pesticide Use Data on olives, which reflect the only state where olives are grown, the Agency believes this scenario greatly overestimates the potential exposure risk to handlers. This data shows for the period 1990 - 2004 (the most recent year available) that aerial application occurs rarely and on the few days it did occur, aerial treatments were made to less than 100 acres/day. If 100 acres were treated

per day at the 0.33 lb ae/acre, the calculated MOE would be 220. Moreover, at least 300 acres per day would need to be treated in order for the estimated MOE to be less than 100. Air blast treatment (of 40 acres per day) at 0.33 lb ae/acre results in an MOE of 550 with baseline PPE. Baseline PPE includes long pants, long sleeved shirts, shoes, socks, and no respirator.

Post-Application Exposure Assessment

- "Post-application" is the term used to describe individuals who can be exposed to pesticides after entering areas previously treated with pesticides and performing certain activities (also often referred to as reentry exposure). Occupational post-application activities were assessed for the naphthalene acetates uses expected to result in the highest exposures. Based on their use on olives, apples and pears, EPA assessed the following post-application activities: irrigation, scouting, weeding, harvesting, pruning, propping, training, and thinning for the naphthalene acetates.

- For post-application exposures, EPA calculates the minimum length of time required following an application before residues have dissipated to the level where the calculated MOE reaches the target MOE. EPA uses this information to determine restricted entry intervals (REIs), the time period after which workers are allowed to reenter a treated area.

- A target MOE of 100 for the dermal exposure route is considered adequate for the occupational post-application risk assessment. No post-application inhalation exposure is expected. The MOEs for the post-application exposure scenarios are $\geq$ 1166, which are significantly greater than the target MOE of 100, and not of risk concern on the day of application.

- For the naphthalene acetates the current labels specify a 12 - 48 hour REIs. A minimum 48-hour REI is required for 1-naphthaleneacetamide, 1-naphthalene acetic acid, potassium 1-naphthaleneacetate, ammonium 1-naphthaleneacetate, and sodium 1-naphthaleneacetate because they are classified as Toxicity Category I for eye irritation. A 12-hour REI is required for ethyl 1-naphthaleneacetate because it is classified as Toxicity Category III or IV for all acute toxicity endpoints.

Occupational Incident Reports

The Agency has conducted a review and consulted the following databases of reported poisoning incidents associated with human exposure from occupational uses of naphthalene acetates: Office of Pesticide Programs (OPP) Incident Data System; Poison Control Center Data, 1993 through 1998; California Data, 1982 through 1998; and the National Pesticide Information Center.

No incidents were reported from the use of naphthalene acetates in the Incident Data System, Poison Control Center Data, and the National Pesticide Information Center. Detailed descriptions of six cases submitted to the California Pesticide Illness Surveillance Program

(1982-1998) were reviewed. Workers were exposed either through accidental spraying in the face from broken equipment during treatment or from post-application contact with treated foliage or fruit. These exposures resulted in eye or sinus irritation, chemical conjunctivitis, dermatitis, and a rash. None of the incidents resulted in hospitalization.

Ecological Risk

For detailed information on the Environmental Risk Assessment, see the October 26, 2004 *Revised EFED Risk Assessment for the Naphthaleneacetic Acid Reregistration Eligibility Decision: Revision Based on Application at Higher Use Rates*. To estimate potential ecological risk, EPA integrates the results of the exposure and ecotoxicity data to evaluate the potential for adverse ecological effects. The method divides exposure estimates, which are based on maximum application rates (worst case), by ecotoxicity data to derive risk quotients (RQs) for acute and chronic effects. These RQ values are then compared to the Agency's levels of concern (LOCs), which indicate whether a chemical, when used as directed, has the potential to cause adverse effects on non-target organisms. When the RQ exceeds the LOC for a particular category, the Agency presumes a potential risk of concern to that category.

Environmental fate of all naphthalene acetates is expected to be similar. A detailed discussion of the environmental fate, transport, and physical-chemical properties and chemical structures of naphthaleneacetic acid, naphthaleneacetamide, and ethyl 1-naphthaleneacetate are given in the October 26, 2004 *Revised EFED Risk Assessment for the Naphthaleneacetic Acid Reregistration Eligibility Decision: Revision Based on Application at Higher Use Rates* (see particularly Tables 2 and 3, pages 10 & 12). In the environment, the sodium, potassium, and ammonium salts of NAA rapidly degrade to the acid. Physical and chemical properties suggest moderate to low soil mobility. The major routes of dissipation appear to be volatilization (on plants) and photolysis (on plants in water); and perhaps some through biodegradation although quantitative data are not available.

Based on the data available and through the use of Structure Activity Relationships (SAR), EPA believes that the naphthalene acetates present little or no potential for risks to mammals, birds, and aquatic organisms, including threatened or endangered mammals, birds, and aquatic organisms, and to *non-endangered*, non-target plants. However, there is a potential risk of concern for threatened and endangered non-target plant species exposure to the naphthalene acetates when used on olive trees. Specifically, endangered plants potentially exposed from NAA applications to olive trees are estimated to have an RQ as high as 2.6. All RQs for animals and all uses are below the Agency's LOC, and therefore are not of risk concern. All acute RQs for birds, mammals and aquatic organisms are ≤0.08, while all chronic RQs are $\leq$ 0.38. Risks to terrestrial insects cannot be quantified but the available data do not suggest a substantial potential for adverse effects. Moreover, no ecological incidents have been reported

for the naphthalene acetates. RQs for non-target plants are ≤0.44 for all uses, except for olive trees where the RQ is 2.6.

Risks from the use of plant growth regulators (PGRs) are currently addressed using data from plant studies that deal with growth endpoints. Currently, there are no validated tests which address reproductive effects on plants. EPA recognizes that reproductive plant studies would be useful to characterize potential reproductive risks to non-target plants, from herbicides as well as PGRs. However, given the conservative nature of the ecological risk assessment and that the RQs are generally, significantly below the LOC, EPA believes the assessments are adequately protective.

Data Needs

Outstanding data needs include:

- UV/Visible Absorption (OPPTS 830.7050)
- Storage stability data on the processed commodities of apples (or citrus fruits) and olives. (OPPTS 860.1380)
- Data depicting residues of NAA and its conjugates in the processed commodities of citrus (dried pulp, oil, and juice). (OPPTS 860.1520)
- The replenishment of analytical reference standards for all registered NAA acid salts, ester, and acetamide as requested by the Repository. (OPPTS 860.1650)

APPENDIX A
NAA (CASE 0379) USE PATTERNS ELIGIBLE FOR REREGISTRATION

Summary for 1-Naphthaleneacetamide 056001							
CROP/USE SITE	**Formulations**	**Maximum Application Rates**		M R I	R E I	PHI	Use Directions & Limitations (May not apply to all Reg. #s)
		/ application	/ year				
APPLE	FLC WP	0.11 lb ae/A	0.33 lb ae/A	5 d	48 h	2 d	Do not apply through any type of irrigation system.
PEAR	FLC WP	0.11 lb ae/A	0.33 lb ae/A	5 d	48 h	2 d	Do not apply through any type of irrigation system.
ORNAMENTAL AND/OR SHADE TREES, ORNAMENTAL HERBACEOUS PLANTS, & ORNAMENTAL WOODY SHRUBS AND VINES	D	0.11 lb ae/A	0.33 lb ae/A	5 d	48 h	NA	

APPENDIX A
NAA (CASE 0379) USE PATTERNS ELIGIBLE FOR REREGISTRATION

Summary for 1-Naphthalene acetic acid 56002							
SITE	**Formulations**	Maximum Application Rates		M R I	R E I	PHI	Use Directions & Limitations (May not apply to all Reg. #s)
		/ application	/ year				
APPLE	FLC	0.11 lb ae/A	0.33 lb ae/A	5 d	48 h	2 d	Do not apply through any type of irrigation system.
PEAR	FLC	0.11 lb ae/A	0.33 lb ae/A	5 d	48 h	2 d	Do not apply through any type of irrigation system.
ORNAMENTAL AND/OR SHADE TREES & **ORNAMENTAL GROUND COVER, ORNAMENTAL HERBACEOUS PLANTS, ORNAMENTAL NONFLOWERING PLANTS, ORNAMENTAL WOODY SHRUBS AND VINES** (Includes indoor & residential uses)	SC/L RTU	0.11 lb ae/A	0.33 lb ae/A	5 d	48 h	NA	Do not apply directly to water. Do not apply through any type of irrigation system. Do not apply to plant foliage. Do not enter treated areas without protective clothing until sprays have dried. Proper ventilation required.

APPENDIX A
NAA (CASE 0379) USE PATTERNS ELIGIBLE FOR REREGISTRATION

Summary for Potassium 1-Naphthaleneacetate 56003							
SITE	**Formulations**	Maximum Application Rates		M R I	R E I	PHI	Use Directions & Limitations (May not apply to all Reg. #s)
		/ application	/ year				
APPLE	EC SC/L	0.11 lb ae/A	0.33 lb ae/A	5 d	48 h	2 d	Do not apply through any type of irrigation system. Do not make more than 1 applications per year. Make only 2 applications. Geographic allowable: OR WA
CITRUS HYBRIDS OTHER THAN TANGELO	EC SC/L	0.11 lb ae/A	0.33 lb ae/A	5 d	48 h	150 d	Do not apply through any type of irrigation system.
OLIVE	EC SC/L	0.33 lb ae/A	0.33 lb ae/A	5 d	48 h	102 d	Do not apply through any type of irrigation system.
ORANGE	SC/L	0.11 lb ae/A	0.33 lb ae/A	5 d	48 h	150 d	Do not apply through any type of irrigation system.
PEAR	EC SC/L	0.11 lb ae/A	0.33 lb ae/A	5 d	48 h	2 d	Do not apply through any type of irrigation system. Do not make more than 1 applications per year. Make only 2 applications. This pesticide is toxic to aquatic invertebrates. Geographic allowable: OR WA
TANGELO	EC SC/L	0.11 lb ae/A	0.33 lb ae/A	5 d	48 h	150 d	Do not apply through any type of irrigation system.
TANGERINES	EC SC/L	0.11 lb ae/A	0.33 lb ae/A	5 d	48 h	150 d	Do not apply through any type of irrigation system.
HOLLY (SHELTERBELT)	SC/L	0.11 lb ae/A	0.33 lb ae/A	5 d	48 h	NA	.
ORNAMENTAL WOODY SHRUBS AND VINES	EC SC/L	0.11 lb ae/A	0.33 lb ae/A	5 d	48 h	NA	Do not apply through any type of irrigation system.

APPENDIX A
NAA (CASE 0379) USE PATTERNS ELIGIBLE FOR REREGISTRATION

Summary for Ammonium 1-Naphthaleneacetate 56004							
SITE	**Formulations**	Maximum Application Rates		M R I	R E I	PHI	Use Directions & Limitations (May not apply to all Reg. #s)
		/ application	/ year				
APPLE	SC/L	0.11 lb ae/A	0.33 lb ae/A	5 d	48 h	2 d	Geographic allowable: WA Do not apply through any type of irrigation system.
CHERRY	SC/L	0.11 lb ae/A	0.33 lb ae/A	5 d	48 h	30 d	Do not apply through any type of irrigation system. Do not graze livestock in treated orchards. Geographic allowable: CA
OLIVE	SC/L	0.33 lb ae/A	0.33 lb ae/A	5 d	48 h	102 d	Do not apply through any type of irrigation system.
ORANGE	SC/L	0.11 lb ae/A	0.33 lb ae/A	5 d	48 h	150 d	Geographic disallowable- FL June Geographical allowable:- FL May Do not apply through any type of irrigation system.
PEAR	SC/L	0.11 lb ae/A	0.33 lb ae/A	5 d	48 h	2 d	Geographic allowable: WA Do not apply through any type of irrigation system.
TANGELO	SC/L	0.11 lb ae/A	0.33 lb ae/A	5 d	48 h	150 d	Do not apply through any type of irrigation system.
TANGERINES	SC/L	0.11 lb ae/A	0.33 lb ae/A	5 d	48 h	150 d	Geographic disallowable- FL June Geographical allowable:- FL May Do not apply through any type of irrigation system.
ORNAMENTAL AND/OR SHADE TREES	SC/L	0.11 lb ae/A	0.33 lb ae/A	5 d	48 h	NA	Do not apply through any type of irrigation system.
ORNAMENTAL OLIVE, PEAR, & PLUM	SC/L	0.11 lb ae/A	0.33 lb ae/A	5 d	48 h	NA	.Do not apply through any type of irrigation system.

APPENDIX A
NAA (CASE 0379) USE PATTERNS ELIGIBLE FOR REREGISTRATION

Summary for Sodium 1-Naphthaleneacetate 56007							
SITE	**Formulations**	Maximum Application Rates		M R I	R E I	PHI	Use Directions & Limitations (May not apply to all Reg. #s)
		/ application	/ year				
APPLE	SC/L WP	.11 lb ae/A	.33 lb ae/A	5	48 h	2 d	Do not apply through any type of irrigation system
OLIVE	SC/L	.33 lb ae/A	.33 lb ae/A	5	48 h	102 d	Do not apply through any type of irrigation system.
PEAR	SC/L WP SC/L	.11 lb ae/A	.33 lb ae/A	5	48 h	2 d	Do not apply through any type of irrigation system. Geographic allowable: OR
ORNAMENTAL AND/OR SHADE TREES	WP	.11 lb ae/A	.33 lb ae/A	5	48 h	NA	Do not apply through any type of irrigation system.

APPENDIX A
NAA (CASE 0379) USE PATTERNS ELIGIBLE FOR REREGISTRATION

Summary for Ethyl 1-Naphthaleneacetate 56008							
SITE	**Formulations**	Maximum Application Rates		M R I	R E I	PHI	Use Directions & Limitations (May not apply to all Reg. #s)
		/ application	/ year				
APPLE	RTU SC/L EC	.11 lbs ae /A	.33 lbs ae /A	5	12 h	NA	Do not apply through any type of irrigation system.
OLIVE	RTU SC/L EC	.33 lbs ae /A	33 lbs ae /A	5	12 h	NA	Do not apply through any type of irrigation system.
CITRUS (Ornamental)	RTU SC/L	.11 lbs ae /A	33 lbs ae /A	5	12 h	NA	Do not apply through any type of irrigation system.
NECTARINE (Ornamental)	RTU SC/L	.11 lbs ae /A	33 lbs ae /A	5	12 h	NA	Geographic disallowable: CA Do not apply through any type of irrigation system.
ORNAMENTAL WOODY SHRUBS AND VINES AND/OR SHADE TREES	RTU SC/L EC PRL	.11 lbs ae /A	.33 lbs ae /A	5	12 h	NA	Do not apply through any type of irrigation system.
POMEGRANATE (Ornamental)	EC	.11 lbs ae /A	33 lbs ae /A	5	12	NA	Do not apply through any type of irrigation system. Geographic allowable: CA

APPENDIX A
NAA (CASE 0379) USE PATTERNS ELIGIBLE FOR REREGISTRATION

HEADER ABBREVIATIONS

Site Name - The site name refers to the entity (crop, building, surface or article) where a pesticide is applied and/or which is being protected.
Limitations - Precautionary statements related to the use of the product(s).
Application Timing - The timing of pesticide application and is the primary application sort (not aggregated).
Application Type - The type of pesticide application (aggregated).
Application Equipment - The equipment used to apply pesticide (aggregated).
Max. Single Appl. Rate to a Single Site - Maximum Dose for a single application to a single site. System calculated.
Max Seasonal Rate - The maximum amount of pesticide that can be applied to a site in one growing season (/cc = crop cycle) and during the span of one year (/yr).
Max. # Apps/cc & yr - Maximum Number of Applications per crop cycle and per year.
M R I - Minimum Retreatment Interval (days) (at any rate). The minimum interval between pesticide application (days).
R E I - ReEntry Interval - The minimum amount of time that must elapse before workers can reenter a treated area.
PHI/PGI/PSI Use Limitations (May not apply to all Reg.#s) - Preharvest/Pregrazing/Preslaughter Interval use limitations pertinent to the application.

ABBREVIATIONS

NA - Not Applicable
NS - Not Specified (on label)

FORMULATION CODES

D : Dust
EC : Emulsifiable Concentrate
FlC : Flowable Concentrate
PRL : Pressurized Liquid
RTU : Liquid-ready To Use
SC/L : Soluble Concentrate/liquid
WP : Wettable Powder

APPENDIX B – GUIDELINE DATA REQUIREMENTS

Guide to Appendix B

Appendix B contains listing of data requirements required by the Registration Standard for Naphthaleneacetic Acid, Its Salts, Ester, and Acetamide, and the subsequent Data Call-ins which support the reregistration for the naphthalene acetates active ingredients within this RED. It contains generic data requirements that apply to the naphthalene acetates in all products, including data requirements for which a "typical formulation" is the test substance.

The data table is organized in the following formats:

1. Data Requirement (Column 1, 2 & 3). The data requirements are listed by current and past Guideline Number, then by its name. The Guideline Numbers accompanying each test refer to the test protocols set in the Pesticide Assessment Guidance available from the National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161 (703) 487-4650.

2. Use Pattern (Column 4). This column indicates the use patterns for which the data requirements apply. The following letter designations are used for the given use patterns.

A. Terrestrial Food	H. Greenhouse Food
B. Terrestrial Feed	I. Greenhouse Non-Food
C. Terrestrial Non-Food	J. Forestry
D. Aquatic Food	K. Residential
E. Aquatic Non-Food Outdoor	L. Indoor Food
F. Aquatic Non-Food Industrial	M. Indoor Non-Food
G. Aquatic Non-Food Residential	N. Indoor Medical
	O. Indoor Residential

3. Bibliographic Citation (Column 5). If the Agency has acceptable data in its files, this column list the identify number of each study. This normally is the Master Record Identification (MRID) number, but may be a "GS" number if no MRID number has been assigned. Refer to the Bibliography appendix for a complete citation of the study.

4. Required by (Column 6). Source of data requirement for reregistration of NAA. Requirements came from the August 1981 Reregistration (“Reg”) Standard document describing all understanding of risk, data received to that point, and data needed to complete a reregistration eligibility decision, September 1991 Chemistry Update, or September 1990 and October 1995 follow up Data Call-Ins (DCIs).

APPENDIX B – GUIDELINE DATA REQUIREMENTS

Data Supporting Guideline Requirements for the Reregistration of Naphthalene Acetates						
REQUIREMENT			**Use Pattern**	**PC Code**	**Citation(s)**	**Required by**
PRODUCT CHEMISTRY						
830.1550	61-1	Product Identity and Composition	All	056001	CSFs, 44570401, Data Gap	1991 Chemistry Update
				056002	CSFs, Letter, 40522901, 43877701, 43998301, 45009801, 45143001	
				056003	Not Required	
				056004	Not Required	
				056007	CSF, Data Gap, 40523001, letter	
				056008	CSF, Data Gap	
830.1600	61-2A	Start. Mat. & Mfg. Process AKA: Description of materials used to produce the product	All	056001	44570402,	Reg Standard
				056002	40522901, 43877701, 43998301, 45009801, 45143002	
				056003	45085501, 45086501	
				056004	Data Gap	
				056007	Data Gap, 40523001	
				056008	Data Gap	
830.1620		Description of production process	All	056001	44570403	1991 Chemistry Update
				056002	40522901, 43877701, 43998301, 45009801, 45143003	
				056003	45085501, 45086501	
				056004	Data Gap	
				056007	40523001, Data Gap	
				056008	Data Gap	
830.1670	61-2B	Formation of Impurities	All	056001	44570404	Reg Standard
				056002	40522901, 43877701, 43998301, 45009801, 45143004	
				056003	45085501, 45086501	
				056004	Data Gap	
				056007	40523001, Data Gap	
				056008	Data Gap	

Data Supporting Guideline Requirements for the Reregistration of Naphthalene Acetates

REQUIREMENT			Use Pattern	PC Code	Citation(s)	Required by
PRODUCT CHEMISTRY						
830.1700	62-1	Preliminary Analysis	All	056001	44570405	Reg Standard
				056002	40522902, 43877702, 43998302, 45009802, 45143005	
				056003	45085501, 45086501	
				056004	Data Gap	
				056007	40523002, Data Gap	
				056008	Data Gap	
830.1750	62-2	Certification of limits	All	056001	44570406	Reg Standard
				056002	CSFs, Letter, 40522902, 43877702, 43998302, 45009802, 45143005,	
				056003	40523002, Data Gap	
				056004	Not required	
				056007	CSF, 40523002, letter, Data Gap	
				056008	Data Gap	
830.1800	62-3	Analytical Method	All	056001	44570405	Reg Standard
				056002	40522902, 43877702, 43998302, 45009802	
				056003	Not required	
				056004	Not required	
				056007	40523002, Data Gap	
				056008	Data Gap	
830.6302	63-2	Color	All	056001	Data Gap	Reg Standard
				056002	40522903, Data Gap	
				056003	Data Gap	
				056004	Data Gap	
				056007	40523003, Data Gap	
				056008	Data Gap	
830.6303	63-3	Physical State	All	056001	Data Gap	Reg Standard
				056002	40522903, Data Gap	
				056003	Data Gap	
				056004	Data Gap	
				056007	40523003, Data Gap	
				056008	Data Gap	

Data Supporting Guideline Requirements for the Reregistration of Naphthalene Acetates

REQUIREMENT			Use Pattern	PC Code	Citation(s)	Required by
PRODUCT CHEMISTRY						
830.6304	63-4	Odor	All	056001	Data Gap	Reg Standard
				056002	40522903, Data Gap	
				056003	Data Gap	
				056004	Data Gap	
				056007	40523003, Data Gap	
				056008	Data Gap	
830.6313	63-13	Stability	All	056001	Data Gap	Reg Standard
				056002	40522903, Data Gap	
				056003	Data Gap	
				056004	Data Gap	
				056007	40523003, Data Gap	
				056008	Data Gap	
830.6314	63-14	Oxidizing/Reducing Action	All	056001	Data Gap	1991 Product Chemistry Update
				056002	44169601, Data Gap	
				056003	Not Required	
				056004	Not Required	
				056007	44169602, Data Gap	
				056008	Data Gap	
830.6315	63-15	Flammability	All	056001	Data Gap	1991 Product Chemistry Update
				056002	Not Required	
				056003	Not Required	
				056004	Not Required	
				056007	Not Required, Data Gap	
				056008	Data Gap	
830.6316	63-16	Explodability	All	056001	Data Gap	1991 Product Chemistry Update
				056002	44169601, Data Gap	
				056003	Not Required	
				056004	Not Required	
				056007	44169602, Data Gap	
				056008	Data Gap	
830.6317	63-17	Storage Stability	All	056001	Data Gap	1991 Product Chemistry
				056002	43580402, 44100601, Data Gap	
				056003	Not Required	

Data Supporting Guideline Requirements for the Reregistration of Naphthalene Acetates

REQUIREMENT			Use Pattern	PC Code	Citation(s)	Required by
PRODUCT CHEMISTRY						
				056004	Not Required	Update
				056007	43580401, 44100602, Data Gap	
				056008	Data Gap	
830.6319	63-19	Miscibility	All	056001	Data Gap	1991 Product Chemistry Update
				056002	Not Required	
				056003	Not Required	
				056004	Not Required	
				056007	Not Required, Data Gap	
				056008	Data Gap	
830.6320	63-20	Corrosion characteristics	All	056001	Data Gap	
				056002	44100601, Data Gap	
				056003	Not Required	
				056004	Not Required	
				056007	44100601, Data Gap	
				056008	Data Gap	
830.7000	63-12	pH	All	056001	Data Gap	Reg Standard
				056002	40522903, 40523003	
				056003	Data Gap	
				056004	Data Gap	
				056007	40523003, Data Gap	
				056008	Data Gap	
830.7050		UV Visible absorption	All	056001	Data Gap	1991 Product Chemistry Update
				056002	Data Gap	
				056003	Data Gap	
				056004	Data Gap	
				056007	Data Gap	
				056008	Data Gap	
830.7100	63-18	Viscosity	All	056001	Data Gap	1991 Product Chemistry Update
				056002	Not Required	
				056003	Not Required	
				056004	Not Required	
				056007	Not Required, Data Gap	
				056008	Data Gap	

Data Supporting Guideline Requirements for the Reregistration of Naphthalene Acetates

REQUIREMENT			Use Pattern	PC Code	Citation(s)	Required by
PRODUCT CHEMISTRY						
830.7200	63-5	Melting Point	All	056001	Data Gap	Reg Standard
				056002	40522903	
				056003	Data Gap	
				056004	Data Gap	
				056007	40523003, Data Gap	
				056008	Data Gap	
830.7220	63-6	Boiling Point	All	056001	Data Gap	Reg Standard
				056002	Not Required, Data Gap	
				056003	Data Gap	
				056004	Data Gap	
				056007	Not Required, Data Gap	
				056008	Data Gap	
830.7300	63-7	Density	All	056001	Data Gap	Reg Standard
				056002	40522903, Data Gap	
				056003	Data Gap	
				056004	Data Gap	
				056007	40523003, Data Gap	
				056008	Data Gap	
830.7370	63-10	Dissociation Constant	All	056001	Data Gap	Reg Standard
				056002	40522903, Letter	
				056003	Data Gap	
				056004	Data Gap	
				056007	40523003, Letter, Data Gap	
				056008	Data Gap	
830.7550	63-11	Octanol/Water Partition Coefficient	All	056001	Data Gap	Reg Standard
				056002	40522903, Not Required	
				056003	Data Gap	
				056004	Data Gap	
				056007	40523003, Data Gap	
				056008	Data Gap	

Data Supporting Guideline Requirements for the Reregistration of Naphthalene Acetates						
REQUIREMENT			**Use Pattern**	**PC Code**	**Citation(s)**	**Required by**
PRODUCT CHEMISTRY						
830.7840 830.7860	63-8	Solubility	All	056001	Data Gap	Reg Standard
				056002	40522903	
				056003	Data Gap	
				056004	Data Gap	
				056007	40523003, Data Gap	
				056008	Data Gap	
830.7950	63-9	Vapor Pressure	All	056001	Data Gap	Reg Standard
				056002	40522903	
				056003	Data Gap	
				056004	Data Gap	
				056007	40523003, Data Gap	
				056008	Data Gap	

Data Supporting Guideline Requirements for the Reregistration of Naphthalene Acetates						
REQUIREMENT			**Use Pattern**	**PC Code**	**Citation(s)**	**Required by**
ECOLOGICAL EFFECTS						
850.2100	71-1	Avian Acute Oral Toxicity	ABCKMO	056002	00065840	Reg Standard
850.2200	71-2A	Avian Dietary Toxicity - Quail	ABCKMO	056001	Data Gap	1990 DCI
				056002	00085909	Reg Standard
				056008	42584202	1990 DCI
850.2200	71-2B	Avian Dietary Toxicity - Duck	ABCKMO	056002	00083052	Reg Standard
850.2300	71-4A	Avian Reproduction - Quail	ABCKMO		Open literature	Not Required
850.1075	72-1A	Fish Toxicity Bluegill	ABCKMO	056002	00082527	Reg Standard
				056008	42498101	1990 DCI
850.1010	72-2A	Invertebrate Toxicity	ABCKMO	056002	00082526	Reg Standard
				056008	42470801	1990 DCI
850.4225	122-1A	Seed Germ./ Seedling Emergence	ABCKMO	056001	Data Gap	1990 DCI
				056002	Data Gap	Reg Standard
				056003	42584203, 43837401, Data Gap	1990 DCI
				056004	Data Gap	1990 DCI
				056007	43803201, 42589901	1990 DCI
				056008	Data Gap	1990 DCI
850.4250	122-1B	Vegetative Vigor	ABCKMO	056001	Data Gap	1990 DCI
				056002	Data Gap	Reg Standard
				056003	42564202, 43141101, 43168101, Data Gap	1990 DCI
				056004	Data Gap	1990 DCI
				056007	42564201, 43168301, Data Gap	1990 DCI
				056008	Data Gap	1990 DCI
	122-1	Effects on Terrestrial Macrophytes	ABCKMO	No longer required		Reg Standard
850.5400	122-2	Effects to Algae/Algal Toxicity	ABCKMO	056003	42582203, Data Gap	Reg Standard
850.4400	122-2	Aquatic Plant Growth (Effects on Aquatic Macrophytes)	ABCKMO	056001	Data Gap	1990 DCI
				056002	Data Gap	Reg Standard
				056003	42582202, Data Gap	1990 DCI
				056004	Data Gap	1990 DCI
				056007	42582204, Data Gap	1990 DCI
				056008	Data Gap	1990 DCI

Data Supporting Guideline Requirements for the Reregistration of Naphthalene Acetates				
REQUIREMENT	**Use Pattern**	**PC Code**	**Citation(s)**	**Required by**
ECOLOGICAL EFFECTS				

Data Supporting Guideline Requirements for the Reregistration of Naphthalene Acetates

REQUIREMENT			Use Pattern	PC Code	Citation(s)	Required by
TOXICOLOGY						
870.1100	81-1	Acute Oral Toxicity-Rat	ABCKMO	056001	43495901	1990 DCI
				056002	00103128	Reg Standard
				056004	Data Gap?	Reg Standard
				056007	00108829	Not Required
				056008	43494101	Reg Standard
870.1200	81-2	Acute Dermal Toxicity-Rabbit/Rat	ABCKMO	056001	43495902	1990 DCI
				056002	00103129	Reg Standard
				056007	00108829	Not Required
				056008	43494102	Reg Standard
870.1300	81-3	Acute Inhalation Toxicity-Rat	ABCKMO	056001	43495903	1990 DCI
				056002	00128256	Reg Standard
				056008	43494103	Reg Standard
870.2400	81-4	Primary Eye Irritation-Rabbit	ABCKMO	056001	00103051, 43495904	Reg Standard
				056002	00103127	Reg Standard
				056004	Data Gap?	Reg Standard
				056007	00108829	Reg Standard
				056008	43494104	Reg Standard
870.2500	81-5	Primary Skin Irritation	ABCKMO	056001	00103050	1990 DCI
				056002	00103127	Reg Standard
				056007	00108829	Not Required
				056008	00103053, 00103128	1990 DCI
870.2600	81-6	Dermal Sensitization	ABCKMO	056001	43495905	1990 DCI
				056002	00153217	Reg Standard
				056008	43494105	1990 DCI
870.3100	82-1A	90-Day Feeding - Rodent	ABCKMO	056001	43896001	Not Required
				056002	00043624	Reg Standard
				056007	42932601	Not Required
				056008	43896002	Not Required
870.3150	82-1B	90-Day Feeding - Non-rodent	ABCKMO	056001	43895901	Not Required
				056002	00136446	Reg Standard
				056007	42983801	Not Required
				056008	43914901	Not Required
870.3200	82-2	21-Day Dermal - Rabbit/Rat	ABCKMO	056001	43581001	1990 DCI
				056002	Data Gap	1990 DCI
				056003	Data Gap	1990 DCI
				056004	Data Gap	1990 DCI
				056007	43134701	1990 DCI
				056008	43581002	1990 DCI

Data Supporting Guideline Requirements for the Reregistration of Naphthalene Acetates

REQUIREMENT			Use Pattern	PC Code	Citation(s)	Required by
ECOLOGICAL EFFECTS						
870.4100	83-1A	Chronic Feeding Toxicity - Rodent	ABCKMO	056001	NCI Innes 1996	9/90 DCI
				056002		Reg Standard
				056003		9/90 DCI
				056004		9/90 DCI
				056007		9/90 DCI
				056008		9/90 DCI
870.4100	83-1B	Chronic Feeding Toxicity - Non-Rodent	ABCKMO	056001		9/90 DCI
				056002		Reg Standard
				056003		9/90 DCI
				056004		9/90 DCI
				056007	43744201	9/90 DCI
				056008		
870.4200	83-2A	Oncogenicity - Rat See combined chronic/carcinogenicity study below.	ABCKMO	056001		9/90 DCI
				056002		Reg Standard
				056003		9/90 DCI
				056004		9/90 DCI
				056007		9/90 DCI
				056008		9/90 DCI
870.4200	83-2B	Oncogenicity - Mouse	ABCKMO	056001		9/90 DCI
				056002		Reg Standard
				056008		9/90 DCI
870.3700	83-3A	Developmental Toxicity - Rat	ABCKMO	056002	00042765	Reg Standard
				056008	Data Gap	9/90 DCI
870.3700	83-3B	Developmental Toxicity - Rabbit	ABCKMO	056002	00137821, 00137822	Reg Standard
				056008	Data Gap	9/90 DCI
870.3800	83-4	2-Generation Reproduction - Rat	ABCKMO	056001		9/90 DCI
				056002		Reg Standard
				056003		9/90 DCI
				056004		9/90 DCI
				056007	43796301	9/90 DCI
				056008		9/90 DCI
870.4300	83-5	Combined Chronic Toxicity/ Carcinogenicity	ABCKMO		44157501 (Rat)	Not Required
870.5140 870.5265	84-2A	Gene Mutation (Ames Test)	ABCKMO	056001	43581006	1990 DCI
				056002	00042761, 00042762	Reg Standard
				056008	43581004	1990 DCI
870.5375	84-2B	Structural Chromosomal Aberration	ABCKMO	056001		1990 DCI
				056002		Reg Standard
				056008		1990 DCI
Various	84-4	Other Genotoxic Effects See studies below:	ABCKMO	056001		1990 DCI
				056002		Reg Standard
				056008		1990 DCI

Data Supporting Guideline Requirements for the Reregistration of Naphthalene Acetates						
REQUIREMENT			**Use Pattern**	**PC Code**	**Citation(s)**	**Required by**
ECOLOGICAL EFFECTS						
870.5300	84-4	Gene mutation - mammalian: mouse lymphoma cells	ABCKMO	056001	43580202	1990 DCI
				056002		Reg Standard
				056008	43580201	1990 DCI
870.5395	84-4	erythrocyte micronuleus - mice	ABCKMO	056001	43581005	1990 DCI
				056002	00042763	Reg Standard
				056008	43581003	1990 DCI
870.5450	84-4	Rodent dominant lethal assay	ABCKMO	056001		1990 DCI
				056002	00042764, Data Gap	Reg Standard
				056008		1990 DCI
870.5575	84-4	Mitotic gene conversion: *Saccharomyces cervisiae*	ABCKMO	056001		1990 DCI
				056002	00042758, 00042759, 00042760, Data Gap	Reg Standard
				056008		1990 DCI
870.7485	85-1	General Metabolism	ABCKMO	056001	43963301	1990 DCI
				056002		Reg Standard
				056007	Dixon et al 1977 Lethco & Brouwer 1966	Not Required
				056008	43961701	1990 DCI

APPENDIX B – GUIDELINE DATA REQUIREMENTS

Data Supporting Guideline Requirements for the Reregistration of Naphthalene Acetates						
REQUIREMENT			**Use Pattern**	**PC Code**	**Citation(s)**	**Required by**
OCCUPATIONAL/RESIDENTIAL EXPOSURE						
875.2100	132-1A	Foliar Residue Dissipation	ABCKMO	056001	Agricultural Reentry Task Force (ARTF) data	90&95 DCI
				056002		90&95 DCI
				056003		90&95 DCI
				056004		90&95 DCI
				056007		90&95 DCI
				056008		90&95 DCI
875.2400	133-3	Dermal Passive Dosimetry Exposure	ABCKMO	056001	Agricultural Reentry Task Force (ARTF) data & Outdoor Residential Exposure Task Force (ORETF, May 2000)	90&95 DCI
				056002		90&95 DCI
				056003		90&95 DCI
				056004		90&95 DCI
				056007		90&95 DCI
				056008		90&95 DCI
875.2500	133-4	Inhalation Passive Dosimetry Exposure	ABCKMO	056001	Pesticide Handlers Exposure Database (PHED) & Outdoor Residential Exposure Task Force (ORETF, May 2000)	90&95 DCI
				056002		90&95 DCI
				056003		90&95 DCI
				056004		90&95 DCI
				056007		90&95 DCI
				056008		90&95 DCI
None	231	Estimation of Dermal Exposure at Outdoor Sites	ABCKMO	056003	Agricultural Reentry Task Force (ARTF) data	90&95 DCI
				056004		90&95 DCI
None	232	Estimation of Inhalation Exposure at Indoor Sites	ABCKMO	056002	Pesticide Handlers Exposure Database (PHED)	90&95 DCI
				056003		90&95 DCI
				056004		90&95 DCI
				056007		90&95 DCI
				056008		90&95 DCI

Data Supporting Guideline Requirements for the Reregistration of Naphthalene Acetates						
REQUIREMENT			**Use Pattern**	**PC Code**	**Citation(s)**	**Required by**
ENVIRONMENTAL FATE						
None	160-5	Chemical Identity	ABCKMO			Not Required
835.2120	161-1	Hydrolysis	ABCKMO	056001		1990 DCI
				056008	129382	Not Required
835.2240	161-2	Photodegradation - Water	ABCKMO			Not Required
835.2410	161-3	Photodegradation - Soil	ABCKMO			Not Required
835.2370	161-4	Photodegradation - Air	ABCKMO			Not Required
835.4100	162-1	Aerobic Soil Metabolism	ABCKMO			Not Required
835.4200	162-2	Anaerobic Soil Metabolism	ABCKMO			Not Required
835.4400	162-3	Anaerobic Aquatic Metabolism	ABCKMO			Not Required
835.4300	162-4	Aerobic Aquatic Metabolism	ABCKMO			Not Required
835.1240	163-1	Leaching/Adsorption/Desorption	ABCKMO			Not Required
835.6100	164-1	Terrestrial Field Dissipation	ABCKMO			Not Required
835.1850	165-1	Confined Rotational Crop	ABCKMO			Not Required
None	165-4	Bioaccumulation in Fish	ABCKMO			Not Required

Data Supporting Guideline Requirements for the Reregistration of Naphthalene Acetates						
REQUIREMENT			**Use Pattern**	**PC Code**	**Citation(s)**	**Required by**
RESIDUE CHEMISTRY						
None	171-2	Chemical Identity	ABCKMO			Not Required
860.1200		Directions for Use	ABCKMO	056001	Data Gap	9/91 Chem Update
				056002	Data Gap	
				056003	Data Gap	
				056004	Data Gap	
				056007	Data Gap	
				056008	Data Gap	
860.1300	171-4A	Nature of Residue - Plants	ABCKMO	056001	43948501, 43482101	9/90 DCI
				056002	05009008, 05009108, 00004943, 00004948, 00159237, 05009196, 43482101, 43948501, 44190501	Reg Standard
				056003		9/90 DCI
				056004		9/90 DCI
				056007		9/90 DCI
				056008	43482101, 43948501, 44190501	9/90 DCI
860.1300	171-4B	Nature of Residue - Livestock	ABCKMO	056001		9/90 DCI
				056002	00004942, 05007966, 05008052, 43692301	Reg Standard
				056003		9/90 DCI
				056004		9/90 DCI
				056007		9/90 DCI
				056008		9/90 DCI
				non-specific	05008057, 05008070	
860.1340	171-4C	Residue Analytical Method - Plants	ABCKMO		00004916, 00004943 00004946, 00004949 00159237, 05002768 05008121, 05020083, 44555403, 44586502 GS0023012, GS0023019, GS0023036	Reg Standard
860.1340	171-4D	Residue Analytical Method - Animals	ABCKMO		*ibid*	Reg Standard

Data Supporting Guideline Requirements for the Reregistration of Naphthalene Acetates						
REQUIREMENT			**Use Pattern**	**PC Code**	**Citation(s)**	**Required by**
RESIDUE CHEMISTRY						
860.1360	171-4M	Multiresidue Method	ABCKMO	056001	44184401	Not Required
860.1380	171-4E	Storage Stability (Plant Commodities)	ABCKMO		44660201, 44660202 44835301, Data Gap	9/90 DCI
860.1480	171-4J	Magnitude of Residues - Meat/Milk/Poultry /Egg	ABCKMO			9/90 DCI
860.1500	171-4K	Crop Field Trials				
		Citrus Fruit Groups (Crop Group 10) Orange	ABCKMO		00051218, 00060940, 00060941, 00060942, 00060943, 00161042	9/90 DCI
		Tangerine	ABCKMO		00051218, 00060940 00060941, 00060942 00060943, 00161042	9/90 DCI
		Pome Fruits (Crop Group 11) Apple	ABCKMO		GS002336, 40884401 45283601	Reg Standard
		Pear	ABCKMO		GS0023019, 40884402 45283602	Reg Standard
		Stone Fruits Group Cherry, sweet	ABCKMO		00114389, 00114390	Not Required
860.1500	171-4K	Crop Field Trials - Miscellaneous Commodities				
		Olive	ABCKMO		00004943, 44555402 GS0023012	Reg Standard
		Pineapple	ABCKMO		00004946	Reg Standard
860.1520	171-4L	Processed Food/Feed				
		Processed Food (Olive)	ABCKMO		44555401	9/90 DCI
		Processed Food (Apple)	ABCKMO		44586501	9/90 DCI
		Processed Food (Fruit, Citrus, Group 10)	ABCKMO		00051218, 00060940, 00060941, 00060942, 00060943, 00161042, Data Gap	9/90 DCI

APPENDIX C: EPA's Technical Support Documents for Naphthalene Acetates

All technical support documents for the Naphthalene acetates RED may be viewed either on paper at the OPP Public Docket or via the Internet. The paper documentation in support of this RED is maintained in the OPP docket: Room S-4400, One Potomac Yard (South Building); 2777 S. Crystal Drive; Arlington, VA; 22202. It is open Monday through Friday, excluding Federal holidays, from 8:30 am to 4 pm. Electronic copies of these documents are maintained at the Federal Docket Management System (FDMS). FDMS can be found at www.regulations.gov under docket number EPA-HQ-OPP-2006-0507. These documents include the following:

Human Health Risks:

- Naphthalene Acetates HED Risk Assessment for Reregistration Eligibility Document (RED) PC Codes: 056001, 056002, 056003, 056004, 056007, 056008; Revised Assessment of Use of Naphthalene Acetates on Olives, dated July 13, 2004
- Naphthalene Acetates HED Risk Assessment for Reregistration Eligibility Document (RED) PC Codes: 056001, 056002, 056003, 056004, 056007, 056008; dated March 30, 2004
- 1-Naphthaleneacetic Acid (NAA), Its Salts, Ester, and Acetamide. RED - Reregistration Eligibility Decision: Product Chemistry Considerations; dated March 10, 2004
- 1-Naphthaleneacetic Acid (NAA), its Salts, Ester, and Acetamide. Residue Chemistry Considerations for Reregistration Eligibility Decision; dated March 10, 2004
- Naphthalene Acetates Occupational and Residential Exposure Assessment for the Reregistration Eligibility Decision (RED) Document; dated March 10, 2004
- 1-Naphthaleneacetic Acid (Including Esters and Salts): Revised HED Toxicology Chapter for the Reassessment Eligibility Decision (RED) PC Codes 056001, 056002, 056007, 056008; dated March 8, 2004
- Naphthalene Acetates Acute and Chronic Dietary Exposure Assessment for the Reregistration Eligibility Decision (RED) Document. PC Codes:056001, 056002, 056003, 056004, 056007, 056008; dated November 20, 2003
- Review of Naphthaleneacetic Acid Incidents Report; dated October 9, 2003.

Environmental Fate and Effects

- Amended Environmental Fate and Effects Risk Assessment for the Reregistration of 1-Naphthaleneacetic acid and Related Compounds as a Low Toxicity Substance, dated May 13, 2004
- Tier I Estimated Driving Water Concentrations of 1-Naphthaleneacetic Acid for use in Human Health Risk Assessment, dated September 25, 2003.

APPENDIX D – BIBLIOGRAPHY

Appendix D. Citations Considered to be Part of the Database Supporting the Reregistration Decision (Bibliography)

GUIDE TO APPENDIX D

CONTENTS OF BIBLIOGRAPHY. This bibliography contains citations of all studies considered relevant by EPA in arriving at the positions and conclusions stated elsewhere in the Reregistration Eligibility Document. Primary sources for studies in this bibliography have been the body of data submitted to EPA and its predecessor agencies in support of past regulatory decisions. Selections from other sources including the published literature, in those instances where they have been considered, are included.

UNITS OF ENTRY. The unit of entry in this bibliography is called a "study". In the case of published materials, this corresponds closely to an article. In the case of unpublished materials submitted to the Agency, the Agency has sought to identify documents at a level parallel to the published article from within the typically larger volumes in which they were submitted. The resulting "studies" generally have a distinct title (or at least a single subject), can stand alone for purposes of review and can be described with a conventional bibliographic citation. The Agency has also attempted to unite basic documents and commentaries upon them, treating them as a single study.

IDENTIFICATION OF ENTRIES. The entries in this bibliography are sorted numerically by Master Record Identifier, or "MRID" number. This number is unique to the citation, and should be used whenever a specific reference is required. It is not related to the six-digit "Accession Number" which has been used to identify volumes of submitted studies (see paragraph 4(d)(4) below for further explanation). In a few cases, entries added to the bibliography late in the review may be preceded by a nine character temporary identifier. These entries are listed after all MRID entries. This temporary identifying number is also to be used whenever specific reference is needed.

FORM OF ENTRY. In addition to the Master Record Identifier (MRID), each entry consists of a citation containing standard elements followed, in the case of material submitted to EPA, by a description of the earliest known submission. Bibliographic conventions used reflect the standard of the American National Standards Institute (ANSI), expanded to provide for certain special needs.

1 Author. Whenever the author could confidently be identified, the Agency has chosen to show a personal author. When no individual was identified, the Agency has shown an identifiable laboratory or testing facility as the author. When no author or laboratory could be identified, the Agency has shown the first submitter as the author.
2 Document date. The date of the study is taken directly from the document. When the date is

followed by a question mark, the bibliographer has deduced the date from the evidence contained in the document. When the date appears as (1999), the Agency was unable to determine or estimate the date of the document.

3 Title. In some cases, it has been necessary for the Agency bibliographers to create or enhance a document title. Any such editorial insertions are contained between square brackets.

4 Trailing parentheses. For studies submitted to the Agency in the past, the trailing parentheses include (in addition to any self-explanatory text) the following elements describing the earliest known submission:

1 Submission date. The date of the earliest known submission appears immediately following the word "received."

2 Administrative number. The next element immediately following the word "under" is the registration number, experimental use permit number, petition number, or other administrative number associated with the earliest known submission.

3 Submitter. The third element is the submitter. When authorship is defaulted to the submitter, this element is omitted.

4 Volume Identification (Accession Numbers). The final element in the trailing parentheses identifies the EPA accession number of the volume in which the original submission of the study appears. The six-digit accession number follows the symbol "CDL," which stands for "Company Data Library." This accession number is in turn followed by an alphabetic suffix which shows the relative position of the study within the volume.

APPENDIX D - BIBLIOGRAPHY

MRID CITATION

Product Chemistry

160552 Amvac Chemical Corp. (1986) [Product Chemistry of 1-Naphthalene Acetic Acid]. Unpublished compilation. 26 p.

40522901 Feiler, W. (1988) NAA: Product Identity and Composition: 1-Naphthalene Acetic Acid. Unpublished study prepared by Amvac Chemical Corp. 19 p.

40522902 Feiler, W. (1988) NAA: Analysis and Certification of Product Ingredients 1-Naphthalene Acetic Acid. Unpublished study prepared by Amvac Chemical Corp. 32 p.

40522903 Feiler, W. (1987) NAA: Physical and Chemical Characteristics. Unpublished study prepared by Amvac Chemical Corp. 3 p.

40523001 Feiler, W. (1988) NAA Sodium Salt: Product Identity and Composition. Unpublished study prepared by Amvac Chemical Corp. 13 p.

40523002 Feiler, W. (1988) NAA Sodium Salt: Analysis and Certification of Product Ingredients. Unpublished study prepared by Amvac Chemical Corp. 16 p.

40523003 Feiler, W. (1987) NAA Sodium Salt: Physical and Chemical Characteristics. Unpublished study prepared by Amvac Chemical Corp. 3 p.

43580401 Braden, G. (1995) Storage Stability of Technical Sodium Salt of 1-Naphthaleneacetic Acid. Unpublished study prepared by Amvac Chemical Corp. 8 p.

43580402 Braden, G. (1995) Storage Stability of 1-Naphthaleneacetic Acid Technical. Unpublished study prepared by Amvac Chemical Corp. 8 p.

43877701 Braden, G. (1995) NAA: Product Identity and Composition of 1-Napthaleneacetic Acid: Lab Project Number: ING 013.1. Unpublished study prepared by AMVAC Chemical Corp. 39 p.

43877702 Braden, G. (1995) NAA: Analysis and Certification of Ingredients in 1-Napthaleneacetic Acid: Lab Project Number: PAN 013.1. Unpublished study prepared by AMVAC Chemical Corp. 29 p.

APPENDIX D - BIBLIOGRAPHY

MRID	CITATION
43998301	Braden, G. (1996) NAA: Product Identity and Composition of 1-Napthaleneacetic Acid: Lab Project Number: ING 013. Unpublished study prepared by AMVAC Chemical Corp. 39 p.
43998302	Braden, G. (1996) NAA: Analysis and Certification of Ingredients in 1-Naphthaleneacetic Acid: Lab Project Number: PAN 013. Unpublished study prepared by Amvac Chemical Corp. 30 p.
44100601	Douglass, M.; Sweetapple, G. (1996) NAA - 1-Year 25 degree C Storage Stability (and Corrosion Characteristics): Lab Project Number: 4506-95-0070-AS-001. Unpublished study prepared by Ricerca, Inc. 51 p.
44100602	Douglass, M.; Sweet apple, G. (1996) NAA, Sodium Salt - 1-Year 25 degree C Storage Stability (and Corrosion Characteristics): Lab Project Number: 4506-95-0069-AS-001. Unpublished study prepared by Recherche, Inc. 52 p.
44169601	Wojcieck, B. (1995) NAA - Oxidation-Reduction and Impact Explodability: Lab Project Number: 4506-95-0066-AS-001: 4506-95-0066-AS: 4506-95-0066-AS-000. Unpublished study prepared by Recherche, Inc. 41 p.
44169602	Wojcieck, B. (1995) Sodium Salt of NAA - Oxidation-Reduction and Impact Explodability: Lab Project Number: 4506-95-0065-AS-001: 4506-95-0065-AS: 4506-95-0065-AS-000. Unpublished study prepared by Recherche, Inc. 41 p.
44570401	Barden, G. (1998) Naphthaleneacetamide: Product Identity and Composition: Lab Project Number: ING 011.2. Unpublished study prepared by AMVAC Chemical Corporation. 10 p.
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APPENDIX E – DRAFT GENERIC DATA CALL-IN FORMS

The following pages contain a draft version of the Generic Data Call-In for products containing any of the following active ingredients: 1-Naphthaleneacetamide (PC Code 056001), 1-Naphthalene acetic acid (PC Code 056002), Potassium 1-naphthaleneacetate (PC Code 056003), Ammonium 1-naphthaleneacetate (PC Code 056004), Sodium 1-naphthaleneacetate (PC Code 056007), Ethyl 1-naphthaleneacetate (PC Code 056008).

United States Environmental Protection Agency Washington, D.C. 20460

DATA CALL-IN RESPONSE

OMB Approval 2070-0107
OMB Approval 2070-0057

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form. Use additional sheet(s) if necessary.

1. Company Name and Address	2. Case # and Name	3. Date and Type of DCI and Number
SAMPLE COMPANY NO STREET ADDRESS NO CITY, XX 00000	0379 Napthaleneacetic Acid Chemical # and Name 056001 1-Naphthaleneacetamide	DD-MMM-YYYY GENERIC ID # GDCI-056001-NNNNN

4. EPA Product Registration	5. I wish to cancel this product registration voluntarily	6. Generic Data		7. Product Specific Data	
		6a. I am claiming a Generic Data Exemption because I obtain the active ingredient from the source EPA registration number listed below.	6b. I agree to satisfy Generic Data requirements as indicated on the attached form entitled "Requirements Status and Registrant's Response."	7a. My product is an MUP and I agree to satisfy the MUP requirements on the attached form entitled "Requirements Status and Registrant's Response."	7b. My product is an EUP and I agree to satisfy the EUP requirements on the attached form entitled "Requirements Status and Registrant's Response."
NNNNNN-NNNNN				N.A.	N.A.

8. Certification I certify that the statements made on this form and all attachments are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine, imprisonment or both under applicable law.

Signature and Title of Company's Authorized Representative_____

9. Date

10. Name of Company

11. Phone Number

United States Environmental Protection
Agency Washington, D.C. 20460

OMB Approval 2070-0107
OMB Approval 2070-0057

REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form.
Use additional sheet(s) if necessary.

1. Company Name and Address	2. Case # and Name	3. Date and Type of DCI and Number
SAMPLE COMPANY NO STREET ADDRESS NO CITY, XX 00000	0379 Napthaleneacetic Acid Chemical # and Name 056001 1-Naphthaleneacetamide	DD-MMM-YYYY GENERIC ID # GDCI-056001-NNNNN

4. Guideline Requirement Number	5. Study Title		PROTOCOL	Progress Reports 1	2	3	6. Use Pattern	7. Test Substance	8. Time Frame (Months)	9. Registrant Response
	Product Chemistry Data Requirements (Conventional Chemical)									
830.7050	UV/Visible absorption						A, B, C, K	TGAI/PAI	8	
	Residue Chemistry Data Requirements for Food Uses (Conventional Chemical)									
860.1380	Storage stability data	(1 ,2 ,3 ,4)					A, B, C, K	TEP or res of concrn	24	
860.1520	Processed food/feed(CITRUS)	(5 ,6)					A, B, C, K	TEP	24	
860.1520	Processed food/feed(CITRUS, DRIED PULP)	(7 ,8)					A, B, C, K	TEP	24	
860.1520	Processed food/feed(CITRUS, JUICE)	(9 ,10)					A, B, C, K	TEP	24	
860.1520	Processed food/feed(CITRUS, MEAL)	(13 ,14)					A, B, C, K	TEP	24	
860.1520	Processed food/feed(CITRUS, OIL)	(11 ,12)					A, B, C, K	TEP	24	
860.1650	Submittal of analytical reference standards	(15)					A, B, C, K	PAI & res of concern	24	

10. Certification I certify that the statements made on this form and all attachments are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine, imprisonment or both under applicable law

Signature and Title of Company's Authorized Representative_____

11. Date

12. Name of Company

13. Phone Number

United States Environmental Protection
Agency Washington, D.C. 20460

FOOTNOTES AND KEY DEFINITIONS FOR GUIDELINE REQUIREMENTS

Case # and Name: 0379 Napthaleneacetic Acid

DCI Number: GDCI-056001-NNNNN

Key: PAI & res of concern = Pure Active Ingredient and Residue of Concern; TEP = Typical End Use Product [TEP]; TEP or res of concrn = Typical End-Use Product or Residue of Concern; TGAI/PAI = Technical Grade Active Ingredient, Pure Active Ingredient

Use Categories Key:

A - Terrestrial food crop
B - Terrestrial feed crop
C - Terrestrial nonfood crop
K - Residential

Footnotes: **[The following notes are referenced in column two (5. Study File) of the REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE form.]**

1 Required for residential outdoor use on food crops if home gardens are to be treated or the home garden use is different from the agricultural use pattern on which the tolerance is established.

2 Data are required for any magnitude of the residue study unless analytical samples are stored frozen for 30 days or less, and the active ingredient is not known to be volatile or labile.

3 No storage stability data on the processed commodities of apples (or citrus fruits) and olives are available, and these data are required for reregistration. The requested storage stability data for apple and olive processed commodities should reflect up to 143 and 283 days of freezer storage, respectively, since these were the maximum storage intervals of samples in the respective processing studies.

4 Not required for this chemical if acceptable storage stability and food processing studies, both on citrus, are done on another naphthalene acetate.

5 Data on the nature and level of residues in processed food/feed are required if residues could potentially concentrate on processing thus requiring the establishment of a separate tolerance higher than that of the raw agricultural commodity. Studies, however, may be waived if it can be demonstrated that residues do not concentrate on processing.

6 Not required for this chemical if acceptable storage stability and food processing studies, both on citrus, are done on another naphthalene acetate.

7 Data on the nature and level of residues in processed food/feed are required if residues could potentially concentrate on processing thus requiring the establishment of a separate tolerance higher than that of the raw agricultural commodity. Studies, however, may be waived if it can be demonstrated that residues do not concentrate on processing.

8 Not required for this chemical if acceptable storage stability and food processing studies, both on citrus, are done on another naphthalene acetate.

9 Data on the nature and level of residues in processed food/feed are required if residues could potentially concentrate on processing thus requiring the establishment of a separate tolerance higher than that of the raw agricultural commodity. Studies, however, may be waived if it can be demonstrated that residues do not concentrate on processing.

10 Not required for this chemical if acceptable storage stability and food processing studies, both on citrus, are done on another naphthalene acetate.

11 Data on the nature and level of residues in processed food/feed are required if residues could potentially concentrate on processing thus requiring the establishment of a separate tolerance higher than that of the raw agricultural commodity. Studies, however, may be waived if it can be demonstrated that residues do not concentrate on processing.

12 Not required for this chemical if acceptable storage stability and food processing studies, both on citrus, are done on another naphthalene acetate.

13 Data on the nature and level of residues in processed food/feed are required if residues could potentially concentrate on processing thus requiring the establishment of a separate tolerance higher than that of the raw agricultural commodity. Studies, however, may be waived if it can be demonstrated that residues do not concentrate on processing.

14 Not required for this chemical if acceptable storage stability and food processing studies, both on citrus, are done on another naphthalene acetate.

United States Environmental Protection
Agency Washington, D.C. 20460

FOOTNOTES AND KEY DEFINITIONS FOR GUIDELINE REQUIREMENTS

Case # and Name: 0379 Napthaleneacetic Acid

DCI Number: GDCI-056001-NNNNN

Key: PAI & res of concern = Pure Active Ingredient and Residue of Concern; TEP = Typical End Use Product [TEP]; TEP or res of concrn = Typical End-Use Product or Residue of Concern; TGAI/PAI = Technical Grade Active Ingredient, Pure Active Ingredient

Use Categories Key:

A - Terrestrial food crop

B - Terrestrial feed crop

C - Terrestrial nonfood crop

K - Residential

Footnotes: **[The following notes are referenced in column two (5. Study File) of the REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE form.]**

15 Material safety data sheets must accompany standards as specified by OSHA in 29 CFR 1910.1200.

United States Environmental Protection Agency Washington, D.C. 20460

DATA CALL-IN RESPONSE

OMB Approval 2070-0107
OMB Approval 2070-0057

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form. Use additional sheet(s) if necessary.

1. Company Name and Address	2. Case # and Name	3. Date and Type of DCI and Number
SAMPLE COMPANY NO STREET ADDRESS NO CITY, XX 00000	0379 Napthaleneacetic Acid Chemical # and Name 056002 1-Naphthaleneacetic acid	DD-MMM-YYYY GENERIC ID # GDCI-056002-NNNNN

4. EPA Product Registration	5. I wish to cancel this product registration voluntarily	6. Generic Data		7. Product Specific Data	
		6a. I am claiming a Generic Data Exemption because I obtain the active ingredient from the source EPA registration number listed below.	6b. I agree to satisfy Generic Data requirements as indicated on the attached form entitled "Requirements Status and Registrant's Response."	7a. My product is an MUP and I agree to satisfy the MUP requirements on the attached form entitled "Requirements Status and Registrant's Response."	7b. My product is an EUP and I agree to satisfy the EUP requirements on the attached form entitled "Requirements Status and Registrant's Response."
NNNNNN-NNNNN				N.A.	N.A.

8. Certification I certify that the statements made on this form and all attachments are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine, imprisonment or both under applicable law.

Signature and Title of Company's Authorized Representative_____

9. Date

10. Name of Company

11. Phone Number

United States Environmental Protection
Agency Washington, D.C. 20460

REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE

OMB Approval 2070-0107
OMB Approval 2070-0057

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form. Use additional sheet(s) if necessary.

1. Company Name and Address	2. Case # and Name	3. Date and Type of DCI and Number
SAMPLE COMPANY NO STREET ADDRESS NO CITY, XX 00000	0379 Napthaleneacetic Acid Chemical # and Name 056002 1-Naphthaleneacetic acid	DD-MMM-YYYY GENERIC ID # GDCI-056002-NNNNN

4. Guideline Requirement Number	5. Study Title	PROTOCOL	Progress Reports 1	2	3	6. Use Pattern	7. Test Substance	8. Time Frame (Months)	9. Registrant Response
	Product Chemistry Data Requirements (Conventional Chemical)								
830.7050	UV/Visible absorption					A, B, C, K, M, O	TGAI/PAI	8	
	Residue Chemistry Data Requirements for Food Uses (Conventional Chemical)								
860.1380	Storage stability data (1 ,2 ,3 ,4)					A, B, C, K, M, O	TEP or res of concrn	24	
860.1520	Processed food/feed(CITRUS) (5 ,6 ,7)					A, B, C, K, M, O	TEP	24	
860.1520	Processed food/feed(CITRUS, DRIED PULP) (8 ,9 ,10)					A, B, C, K, M, O	TEP	24	
860.1520	Processed food/feed(CITRUS, JUICE) (11 ,12 ,13)					A, B, C, K, M, O	TEP	24	
860.1520	Processed food/feed(CITRUS, MEAL) (17 ,18 ,19)					A, B, C, K, M, O	TEP	24	
860.1520	Processed food/feed(CITRUS, OIL) (14 ,15 ,16)					A, B, C, K, M, O	TEP	24	
860.1650	Submittal of analytical reference standards (20)					A, B, C, K, M, O	PAI & res of concern	24	

10. Certification I certify that the statements made on this form and all attachments are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine, imprisonment or both under applicable law

Signature and Title of Company's Authorized Representative_____

11. Date

12. Name of Company

13. Phone Number

United States Environmental Protection
Agency Washington, D.C. 20460

FOOTNOTES AND KEY DEFINITIONS FOR GUIDELINE REQUIREMENTS

Case # and Name: 0379 Napthaleneacetic Acid

DCI Number: GDCI-056002-NNNNN

Key: PAI & res of concern = Pure Active Ingredient and Residue of Concern; TEP = Typical End Use Product [TEP]; TEP or res of concrn = Typical End-Use Product or Residue of Concern; TGAI/PAI = Technical Grade Active Ingredient, Pure Active Ingredient

Use Categories Key:

A -	Terrestrial food crop	K -	Residential
B -	Terrestrial feed crop	M -	Indoor nonfood use
C -	Terrestrial nonfood crop	O -	Residential Indoor use

Footnotes: [The following notes are referenced in column two (5. Study File) of the REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE form.]

1 Required for residential outdoor use on food crops if home gardens are to be treated or the home garden use is different from the agricultural use pattern on which the tolerance is established.

2 Data are required for any magnitude of the residue study unless analytical samples are stored frozen for 30 days or less, and the active ingredient is not known to be volatile or labile.

3 No storage stability data on the processed commodities of apples (or citrus fruits) and olives are available, and these data are required for reregistration. The requested storage stability data for apple and olive processed commodities should reflect up to 143 and 283 days of freezer storage, respectively, since these were the maximum storage intervals of samples in the respective processing studies.

4 Must be conducted on apple and/or citrus

5 Data on the nature and level of residues in processed food/feed are required if residues could potentially concentrate on processing thus requiring the establishment of a separate tolerance higher than that of the raw agricultural commodity. Studies, however, may be waived if it can be demonstrated that residues do not concentrate on processing.

6 An acceptable food processing study has been completed for apple.

7 Not required for this chemical if acceptable storage stability and food processing studies, both on citrus, are done on another naphthalene acetate.

8 Data on the nature and level of residues in processed food/feed are required if residues could potentially concentrate on processing thus requiring the establishment of a separate tolerance higher than that of the raw agricultural commodity. Studies, however, may be waived if it can be demonstrated that residues do not concentrate on processing.

9 Not required for this chemical if acceptable storage stability and food processing studies, both on citrus, are done on another naphthalene acetate.

10 An acceptable food processing study has been completed for apple.

11 Data on the nature and level of residues in processed food/feed are required if residues could potentially concentrate on processing thus requiring the establishment of a separate tolerance higher than that of the raw agricultural commodity. Studies, however, may be waived if it can be demonstrated that residues do not concentrate on processing.

12 Not required for this chemical if acceptable storage stability and food processing studies, both on citrus, are done on another naphthalene acetate.

13 An acceptable food processing study has been completed for apple.

14 Data on the nature and level of residues in processed food/feed are required if residues could potentially concentrate on processing thus requiring the establishment of a separate tolerance higher than that of the raw agricultural commodity. Studies, however, may be waived if it can be demonstrated that residues do not concentrate on processing.

United States Environmental Protection
Agency Washington, D.C. 20460

FOOTNOTES AND KEY DEFINITIONS FOR GUIDELINE REQUIREMENTS

Case # and Name: 0379 Napthaleneacetic Acid

DCI Number: GDCI-056002-NNNNN

Key: PAI & res of concern = Pure Active Ingredient and Residue of Concern; TEP = Typical End Use Product [TEP]; TEP or res of concrn = Typical End-Use Product or Residue of Concern; TGAI/PAI = Technical Grade Active Ingredient, Pure Active Ingredient

Use Categories Key:

A -	Terrestrial food crop	K -	Residential
B -	Terrestrial feed crop	M -	Indoor nonfood use
C -	Terrestrial nonfood crop	O -	Residential Indoor use

Footnotes: **[The following notes are referenced in column two (5. Study File) of the REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE form.]**

15 Not required for this chemical if acceptable storage stability and food processing studies, both on citrus, are done on another naphthalene acetate.

16 An acceptable food processing study has been completed for apple.

17 Data on the nature and level of residues in processed food/feed are required if residues could potentially concentrate on processing thus requiring the establishment of a separate tolerance higher than that of the raw agricultural commodity. Studies, however, may be waived if it can be demonstrated that residues do not concentrate on processing.

18 Not required for this chemical if acceptable storage stability and food processing studies, both on citrus, are done on another naphthalene acetate.

19 An acceptable food processing study has been completed for apple.

20 Material safety data sheets must accompany standards as specified by OSHA in 29 CFR 1910.1200.

United States Environmental Protection Agency Washington, D.C. 20460

DATA CALL-IN RESPONSE

OMB Approval 2070-0107
OMB Approval 2070-0057

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form. Use additional sheet(s) if necessary.

1. Company Name and Address	2. Case # and Name	3. Date and Type of DCI and Number
SAMPLE COMPANY NO STREET ADDRESS NO CITY, XX 00000	0379 Napthaleneacetic Acid Chemical # and Name 056003 Potassium 1-naphthaleneacetate	DD-MMM-YYYY GENERIC ID # GDCI-056003-NNNNN

4. EPA Product Registration	5. I wish to cancel this product registration voluntarily	6. Generic Data		7. Product Specific Data	
		6a. I am claiming a Generic Data Exemption because I obtain the active ingredient from the source EPA registration number listed below.	6b. I agree to satisfy Generic Data requirements as indicated on the attached form entitled "Requirements Status and Registrant's Response."	7a. My product is an MUP and I agree to satisfy the MUP requirements on the attached form entitled "Requirements Status and Registrant's Response."	7b. My product is an EUP and I agree to satisfy the EUP requirements on the attached form entitled "Requirements Status and Registrant's Response."
NNNNNN-NNNNN				N.A.	N.A.

8. Certification I certify that the statements made on this form and all attachments are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine, imprisonment or both under applicable law.

Signature and Title of Company's Authorized Representative_____

9. Date

10. Name of Company

11. Phone Number

United States Environmental Protection
Agency Washington, D.C. 20460

OMB Approval 2070-0107
OMB Approval 2070-0057

REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form.
Use additional sheet(s) if necessary.

1. Company Name and Address	2. Case # and Name	3. Date and Type of DCI and Number
SAMPLE COMPANY NO STREET ADDRESS NO CITY, XX 00000	0379 Napthaleneacetic Acid Chemical # and Name 056003 Potassium 1-naphthaleneacetate	DD-MMM-YYYY GENERIC ID # GDCI-056003-NNNNN

4. Guideline Requirement Number	5. Study Title		PROTOCOL	Progress Reports 1	2	3	6. Use Pattern	7. Test Substance	8. Time Frame (Months)	9. Registrant Response
	Product Chemistry Data Requirements (Conventional Chemical)									
830.7050	UV/Visible absorption						A, B, C, K	TGAI/PAI	8	
	Residue Chemistry Data Requirements for Food Uses (Conventional Chemical)									
860.1380	Storage stability data	(1 ,2 ,3 ,4)					A, B, C, K	TEP or res of concrn	24	
860.1520	Processed food/feed(CITRUS)	(5 ,6)					A, B, C, K	TEP	24	
860.1520	Processed food/feed(CITRUS, DRIED PULP)	(7 ,8)					A, B, C, K	TEP	24	
860.1520	Processed food/feed(CITRUS, JUICE)	(9 ,10)					A, B, C, K	TEP	24	
860.1520	Processed food/feed(CITRUS, MEAL)	(13 ,14)					A, B, C, K	TEP	24	
860.1520	Processed food/feed(CITRUS, OIL)	(11 ,12)					A, B, C, K	TEP	24	
860.1650	Submittal of analytical reference standards	(15)					A, B, C, K	PAI & res of concern	24	

10. Certification I certify that the statements made on this form and all attachments are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine, imprisonment or both under applicable law

Signature and Title of Company's Authorized Representative_____

11. Date

12. Name of Company

13. Phone Number

United States Environmental Protection
Agency Washington, D.C. 20460

FOOTNOTES AND KEY DEFINITIONS FOR GUIDELINE REQUIREMENTS

Case # and Name: 0379 Napthaleneacetic Acid

DCI Number: GDCI-056003-NNNNN

Key: PAI & res of concern = Pure Active Ingredient and Residue of Concern; TEP = Typical End Use Product [TEP]; TEP or res of concrn = Typical End-Use Product or Residue of Concern; TGAI/PAI = Technical Grade Active Ingredient, Pure Active Ingredient

Use Categories Key:

A - Terrestrial food crop
B - Terrestrial feed crop
C - Terrestrial nonfood crop
K - Residential

Footnotes: **[The following notes are referenced in column two (5. Study File) of the REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE form.]**

1 Required for residential outdoor use on food crops if home gardens are to be treated or the home garden use is different from the agricultural use pattern on which the tolerance is established.

2 Data are required for any magnitude of the residue study unless analytical samples are stored frozen for 30 days or less, and the active ingredient is not known to be volatile or labile.

3 No storage stability data on the processed commodities of apples (or citrus fruits) and olives are available, and these data are required for reregistration. The requested storage stability data for apple and olive processed commodities should reflect up to 143 and 283 days of freezer storage, respectively, since these were the maximum storage intervals of samples in the respective processing studies.

4 Not required for this chemical if acceptable storage stability and food processing studies, both on citrus, are done on another naphthalene acetate.

5 Data on the nature and level of residues in processed food/feed are required if residues could potentially concentrate on processing thus requiring the establishment of a separate tolerance higher than that of the raw agricultural commodity. Studies, however, may be waived if it can be demonstrated that residues do not concentrate on processing.

6 Not required for this chemical if acceptable storage stability and food processing studies, both on citrus, are done on another naphthalene acetate.

7 Data on the nature and level of residues in processed food/feed are required if residues could potentially concentrate on processing thus requiring the establishment of a separate tolerance higher than that of the raw agricultural commodity. Studies, however, may be waived if it can be demonstrated that residues do not concentrate on processing.

8 Not required for this chemical if acceptable storage stability and food processing studies, both on citrus, are done on another naphthalene acetate.

9 Data on the nature and level of residues in processed food/feed are required if residues could potentially concentrate on processing thus requiring the establishment of a separate tolerance higher than that of the raw agricultural commodity. Studies, however, may be waived if it can be demonstrated that residues do not concentrate on processing.

10 Not required for this chemical if acceptable storage stability and food processing studies, both on citrus, are done on another naphthalene acetate.

11 Data on the nature and level of residues in processed food/feed are required if residues could potentially concentrate on processing thus requiring the establishment of a separate tolerance higher than that of the raw agricultural commodity. Studies, however, may be waived if it can be demonstrated that residues do not concentrate on processing.

12 Not required for this chemical if acceptable storage stability and food processing studies, both on citrus, are done on another naphthalene acetate.

13 Data on the nature and level of residues in processed food/feed are required if residues could potentially concentrate on processing thus requiring the establishment of a separate tolerance higher than that of the raw agricultural commodity. Studies, however, may be waived if it can be demonstrated that residues do not concentrate on processing.

14 Not required for this chemical if acceptable storage stability and food processing studies, both on citrus, are done on another naphthalene acetate.

United States Environmental Protection
Agency Washington, D.C. 20460

FOOTNOTES AND KEY DEFINITIONS FOR GUIDELINE REQUIREMENTS

Case # and Name: 0379 Napthaleneacetic Acid

DCI Number: GDCI-056003-NNNNN

Key: PAI & res of concern = Pure Active Ingredient and Residue of Concern; TEP = Typical End Use Product [TEP]; TEP or res of concrn = Typical End-Use Product or Residue of Concern; TGAI/PAI = Technical Grade Active Ingredient, Pure Active Ingredient

Use Categories Key:

A - Terrestrial food crop
B - Terrestrial feed crop
C - Terrestrial nonfood crop
K - Residential

Footnotes: **[The following notes are referenced in column two (5. Study File) of the REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE form.]**

15 Material safety data sheets must accompany standards as specified by OSHA in 29 CFR 1910.1200.

United States Environmental Protection Agency Washington, D.C. 20460

DATA CALL-IN RESPONSE

OMB Approval 2070-0107
OMB Approval 2070-0057

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form. Use additional sheet(s) if necessary.

1. Company Name and Address	2. Case # and Name	3. Date and Type of DCI and Number
SAMPLE COMPANY NO STREET ADDRESS NO CITY, XX 00000	0379 Napthaleneacetic Acid Chemical # and Name 056004 Ammonium 1-naphthaleneacetate	DD-MMM-YYYY GENERIC ID # GDCI-056004-NNNNN

4. EPA Product Registration	5. I wish to cancel this product registration voluntarily	6. Generic Data		7. Product Specific Data	
		6a. I am claiming a Generic Data Exemption because I obtain the active ingredient from the source EPA registration number listed below.	6b. I agree to satisfy Generic Data requirements as indicated on the attached form entitled "Requirements Status and Registrant's Response."	7a. My product is an MUP and I agree to satisfy the MUP requirements on the attached form entitled "Requirements Status and Registrant's Response."	7b. My product is an EUP and I agree to satisfy the EUP requirements on the attached form entitled "Requirements Status and Registrant's Response."
NNNNNN-NNNNN				N.A.	N.A.

8. Certification I certify that the statements made on this form and all attachments are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine, imprisonment or both under applicable law.

Signature and Title of Company's Authorized Representative_____

9. Date

10. Name of Company

11. Phone Number

United States Environmental Protection
Agency Washington, D.C. 20460

OMB Approval 2070-0107
OMB Approval 2070-0057

REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form. Use additional sheet(s) if necessary.

1. Company Name and Address	2. Case # and Name	3. Date and Type of DCI and Number
SAMPLE COMPANY NO STREET ADDRESS NO CITY, XX 00000	0379 Napthaleneacetic Acid Chemical # and Name 056004 Ammonium 1-naphthaleneacetate	DD-MMM-YYYY GENERIC ID # GDCI-056004-NNNNN

4. Guideline Requirement Number	5. Study Title		PROTOCOL	Progress Reports 1	2	3	6. Use Pattern	7. Test Substance	8. Time Frame (Months)	9. Registrant Response
	Product Chemistry Data Requirements (Conventional Chemical)									
830.7050	UV/Visible absorption						A, C	TGAI/PAI	8	
	Residue Chemistry Data Requirements for Food Uses (Conventional Chemical)									
860.1380	Storage stability data	(1 ,2 ,3 ,4)					A, C	TEP or res of concrn	24	
860.1520	Processed food/feed(CITRUS)	(5 ,6)					A, C	TEP	24	
860.1520	Processed food/feed(CITRUS, DRIED PULP)	(7 ,8)					A, C	TEP	24	
860.1520	Processed food/feed(CITRUS, JUICE)	(9 ,10)					A, C	TEP	24	
860.1520	Processed food/feed(CITRUS, MEAL)	(13 ,14)					A, C	TEP	24	
860.1520	Processed food/feed(CITRUS, OIL)	(11 ,12)					A, C	TEP	24	
860.1650	Submittal of analytical reference standards	(15)					A, C	PAI & res of concern	24	

10. Certification I certify that the statements made on this form and all attachments are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine, imprisonment or both under applicable law

Signature and Title of Company's Authorized Representative_____

11. Date

12. Name of Company

13. Phone Number

United States Environmental Protection
Agency Washington, D.C. 20460

FOOTNOTES AND KEY DEFINITIONS FOR GUIDELINE REQUIREMENTS

Case # and Name: 0379 Napthaleneacetic Acid

DCI Number: GDCI-056004-NNNNN

Key: PAI & res of concern = Pure Active Ingredient and Residue of Concern; TEP = Typical End Use Product [TEP]; TEP or res of concrn = Typical End-Use Product or Residue of Concern; TGAI/PAI = Technical Grade Active Ingredient, Pure Active Ingredient

Use Categories Key:

A - Terrestrial food crop

C - Terrestrial nonfood crop

Footnotes: **[The following notes are referenced in column two (5. Study File) of the REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE form.]**

1 Required for residential outdoor use on food crops if home gardens are to be treated or the home garden use is different from the agricultural use pattern on which the tolerance is established.

2 Data are required for any magnitude of the residue study unless analytical samples are stored frozen for 30 days or less, and the active ingredient is not known to be volatile or labile.

3 No storage stability data on the processed commodities of apples (or citrus fruits) and olives are available, and these data are required for reregistration. The requested storage stability data for apple and olive processed commodities should reflect up to 143 and 283 days of freezer storage, respectively, since these were the maximum storage intervals of samples in the respective processing studies.

4 Not required for this chemical if acceptable storage stability and food processing studies, both on citrus, are done on another naphthalene acetate.

5 Data on the nature and level of residues in processed food/feed are required if residues could potentially concentrate on processing thus requiring the establishment of a separate tolerance higher than that of the raw agricultural commodity. Studies, however, may be waived if it can be demonstrated that residues do not concentrate on processing.

6 Not required for this chemical if acceptable storage stability and food processing studies, both on citrus, are done on another naphthalene acetate.

7 Data on the nature and level of residues in processed food/feed are required if residues could potentially concentrate on processing thus requiring the establishment of a separate tolerance higher than that of the raw agricultural commodity. Studies, however, may be waived if it can be demonstrated that residues do not concentrate on processing.

8 Not required for this chemical if acceptable storage stability and food processing studies, both on citrus, are done on another naphthalene acetate.

9 Data on the nature and level of residues in processed food/feed are required if residues could potentially concentrate on processing thus requiring the establishment of a separate tolerance higher than that of the raw agricultural commodity. Studies, however, may be waived if it can be demonstrated that residues do not concentrate on processing.

10 Not required for this chemical if acceptable storage stability and food processing studies, both on citrus, are done on another naphthalene acetate.

11 Data on the nature and level of residues in processed food/feed are required if residues could potentially concentrate on processing thus requiring the establishment of a separate tolerance higher than that of the raw agricultural commodity. Studies, however, may be waived if it can be demonstrated that residues do not concentrate on processing.

12 Not required for this chemical if acceptable storage stability and food processing studies, both on citrus, are done on another naphthalene acetate.

13 Data on the nature and level of residues in processed food/feed are required if residues could potentially concentrate on processing thus requiring the establishment of a separate tolerance higher than that of the raw agricultural commodity. Studies, however, may be waived if it can be demonstrated that residues do not concentrate on processing.

14 Not required for this chemical if acceptable storage stability and food processing studies, both on citrus, are done on another naphthalene acetate.

United States Environmental Protection
Agency Washington, D.C. 20460

FOOTNOTES AND KEY DEFINITIONS FOR GUIDELINE REQUIREMENTS

Case # and Name: 0379 Napthaleneacetic Acid

DCI Number: GDCI-056004-NNNNN

Key: PAI & res of concern = Pure Active Ingredient and Residue of Concern; TEP = Typical End Use Product [TEP]; TEP or res of concrn = Typical End-Use Product or Residue of Concern; TGAI/PAI = Technical Grade Active Ingredient, Pure Active Ingredient

Use Categories Key:

A - Terrestrial food crop

C - Terrestrial nonfood crop

Footnotes: **[The following notes are referenced in column two (5. Study File) of the REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE form.]**

15 Material safety data sheets must accompany standards as specified by OSHA in 29 CFR 1910.1200.

United States Environmental Protection Agency Washington, D.C. 20460

DATA CALL-IN RESPONSE

OMB Approval 2070-0107
OMB Approval 2070-0057

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form. Use additional sheet(s) if necessary.

1. Company Name and Address	2. Case # and Name	3. Date and Type of DCI and Number
SAMPLE COMPANY NO STREET ADDRESS NO CITY, XX 00000	0379 Napthaleneacetic Acid Chemical # and Name 056007 Sodium 1-naphthaleneacetate	DD-MMM-YYYY GENERIC ID # GDCI-056007-NNNNN

4. EPA Product Registration	5. I wish to cancel this product registration voluntarily	6. Generic Data		7. Product Specific Data	
		6a. I am claiming a Generic Data Exemption because I obtain the active ingredient from the source EPA registration number listed below.	6b. I agree to satisfy Generic Data requirements as indicated on the attached form entitled "Requirements Status and Registrant's Response."	7a. My product is an MUP and I agree to satisfy the MUP requirements on the attached form entitled "Requirements Status and Registrant's Response."	7b. My product is an EUP and I agree to satisfy the EUP requirements on the attached form entitled "Requirements Status and Registrant's Response."
NNNNNN-NNNNN				N.A.	N.A.

8. Certification I certify that the statements made on this form and all attachments are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine, imprisonment or both under applicable law.

Signature and Title of Company's Authorized Representative_____

9. Date

10. Name of Company

11. Phone Number

United States Environmental Protection
Agency Washington, D.C. 20460

REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE

OMB Approval 2070-0107
OMB Approval 2070-0057

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form. Use additional sheet(s) if necessary.

1. Company Name and Address	2. Case # and Name	3. Date and Type of DCI and Number
SAMPLE COMPANY NO STREET ADDRESS NO CITY, XX 00000	0379 Napthaleneacetic Acid Chemical # and Name 056007 Sodium 1-naphthaleneacetate	DD-MMM-YYYY GENERIC ID # GDCI-056007-NNNNN

4. Guideline Requirement Number	5. Study Title		PROTOCOL	Progress Reports 1	2	3	6. Use Pattern	7. Test Substance	8. Time Frame (Months)	9. Registrant Response
	Product Chemistry Data Requirements (Conventional Chemical)									
830.7050	UV/Visible absorption						A, B, C, K	TGAI/PAI	8	
	Residue Chemistry Data Requirements for Food Uses (Conventional Chemical)									
860.1380	Storage stability data	(1 ,2 ,3 ,4)					A, B, C, K	TEP or res of concrn	24	
860.1520	Processed food/feed(CITRUS)	(5 ,6)					A, B, C, K	TEP	24	
860.1520	Processed food/feed(CITRUS, DRIED PULP)	(7 ,8)					A, B, C, K	TEP	24	
860.1520	Processed food/feed(CITRUS, JUICE)	(9 ,10)					A, B, C, K	TEP	24	
860.1520	Processed food/feed(CITRUS, MEAL)	(13 ,14)					A, B, C, K	TEP	24	
860.1520	Processed food/feed(CITRUS, OIL)	(11 ,12)					A, B, C, K	TEP	24	
860.1650	Submittal of analytical reference standards	(15)					A, B, C, K	PAI & res of concern	24	

10. Certification I certify that the statements made on this form and all attachments are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine, imprisonment or both under applicable law

Signature and Title of Company's Authorized Representative_____

11. Date

12. Name of Company

13. Phone Number

United States Environmental Protection
Agency Washington, D.C. 20460

FOOTNOTES AND KEY DEFINITIONS FOR GUIDELINE REQUIREMENTS

Case # and Name: 0379 Napthaleneacetic Acid

DCI Number: GDCI-056007-NNNNN

Key: PAI & res of concern = Pure Active Ingredient and Residue of Concern; TEP = Typical End Use Product [TEP]; TEP or res of concrn = Typical End-Use Product or Residue of Concern; TGAI/PAI = Technical Grade Active Ingredient, Pure Active Ingredient

Use Categories Key:

A - Terrestrial food crop
B - Terrestrial feed crop
C - Terrestrial nonfood crop
K - Residential

Footnotes: **[The following notes are referenced in column two (5. Study File) of the REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE form.]**

1 Required for residential outdoor use on food crops if home gardens are to be treated or the home garden use is different from the agricultural use pattern on which the tolerance is established.

2 Data are required for any magnitude of the residue study unless analytical samples are stored frozen for 30 days or less, and the active ingredient is not known to be volatile or labile.

3 Not required for this chemical if acceptable storage stability and food processing studies, both on citrus, are done on another naphthalene acetate.

4 No storage stability data on the processed commodities of apples (or citrus fruits) and olives are available, and these data are required for reregistration. The requested storage stability data for apple and olive processed commodities should reflect up to 143 and 283 days of freezer storage, respectively, since these were the maximum storage intervals of samples in the respective processing studies.

5 Data on the nature and level of residues in processed food/feed are required if residues could potentially concentrate on processing thus requiring the establishment of a separate tolerance higher than that of the raw agricultural commodity. Studies, however, may be waived if it can be demonstrated that residues do not concentrate on processing.

6 Not required for this chemical if acceptable storage stability and food processing studies, both on citrus, are done on another naphthalene acetate.

7 Data on the nature and level of residues in processed food/feed are required if residues could potentially concentrate on processing thus requiring the establishment of a separate tolerance higher than that of the raw agricultural commodity. Studies, however, may be waived if it can be demonstrated that residues do not concentrate on processing.

8 Not required for this chemical if acceptable storage stability and food processing studies, both on citrus, are done on another naphthalene acetate.

9 Data on the nature and level of residues in processed food/feed are required if residues could potentially concentrate on processing thus requiring the establishment of a separate tolerance higher than that of the raw agricultural commodity. Studies, however, may be waived if it can be demonstrated that residues do not concentrate on processing.

10 Not required for this chemical if acceptable storage stability and food processing studies, both on citrus, are done on another naphthalene acetate.

11 Data on the nature and level of residues in processed food/feed are required if residues could potentially concentrate on processing thus requiring the establishment of a separate tolerance higher than that of the raw agricultural commodity. Studies, however, may be waived if it can be demonstrated that residues do not concentrate on processing.

12 Not required for this chemical if acceptable storage stability and food processing studies, both on citrus, are done on another naphthalene acetate.

13 Data on the nature and level of residues in processed food/feed are required if residues could potentially concentrate on processing thus requiring the establishment of a separate tolerance higher than that of the raw agricultural commodity. Studies, however, may be waived if it can be demonstrated that residues do not concentrate on processing.

14 Not required for this chemical if acceptable storage stability and food processing studies, both on citrus, are done on another naphthalene acetate.

United States Environmental Protection
Agency Washington, D.C. 20460

FOOTNOTES AND KEY DEFINITIONS FOR GUIDELINE REQUIREMENTS

Case # and Name: 0379 Napthaleneacetic Acid

DCI Number: GDCI-056007-NNNNN

Key: PAI & res of concern = Pure Active Ingredient and Residue of Concern; TEP = Typical End Use Product [TEP]; TEP or res of concrn = Typical End-Use Product or Residue of Concern; TGAI/PAI = Technical Grade Active Ingredient, Pure Active Ingredient

Use Categories Key:

A - Terrestrial food crop
B - Terrestrial feed crop
C - Terrestrial nonfood crop
K - Residential

Footnotes: **[The following notes are referenced in column two (5. Study File) of the REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE form.]**

15 Material safety data sheets must accompany standards as specified by OSHA in 29 CFR 1910.1200.

United States Environmental Protection Agency Washington, D.C. 20460

DATA CALL-IN RESPONSE

OMB Approval 2070-0107
OMB Approval 2070-0057

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form. Use additional sheet(s) if necessary.

1. Company Name and Address	2. Case # and Name	3. Date and Type of DCI and Number
SAMPLE COMPANY NO STREET ADDRESS NO CITY, XX 00000	0379 Napthaleneacetic Acid Chemical # and Name 056008 Ethyl 1-naphthaleneacetate	DD-MMM-YYYY GENERIC ID # GDCI-056008-NNNNN

4. EPA Product Registration	5. I wish to cancel this product registration voluntarily	6. Generic Data		7. Product Specific Data	
		6a. I am claiming a Generic Data Exemption because I obtain the active ingredient from the source EPA registration number listed below.	6b. I agree to satisfy Generic Data requirements as indicated on the attached form entitled "Requirements Status and Registrant's Response."	7a. My product is an MUP and I agree to satisfy the MUP requirements on the attached form entitled "Requirements Status and Registrant's Response."	7b. My product is an EUP and I agree to satisfy the EUP requirements on the attached form entitled "Requirements Status and Registrant's Response."
NNNNNN-NNNNN				N.A.	N.A.

8. Certification I certify that the statements made on this form and all attachments are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine, imprisonment or both under applicable law.

Signature and Title of Company's Authorized Representative_____

9. Date

10. Name of Company

11. Phone Number

United States Environmental Protection
Agency Washington, D.C. 20460

REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE

OMB Approval 2070-0107
OMB Approval 2070-0057

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form. Use additional sheet(s) if necessary.

1. Company Name and Address	2. Case # and Name	3. Date and Type of DCI and Number
SAMPLE COMPANY NO STREET ADDRESS NO CITY, XX 00000	0379 Napthaleneacetic Acid Chemical # and Name 056008 Ethyl 1-naphthaleneacetate	DD-MMM-YYYY GENERIC ID # GDCI-056008-NNNNN

4. Guideline Requirement Number	5. Study Title		PROTOCOL	Progress Reports 1	2	3	6. Use Pattern	7. Test Substance	8. Time Frame (Months)	9. Registrant Response
	Product Chemistry Data Requirements (Conventional Chemical)									
830.7050	UV/Visible absorption						A, B, C	TGAI/PAI	8	
	Residue Chemistry Data Requirements for Food Uses (Conventional Chemical)									
860.1380	Storage stability data	(1 ,2 ,3 ,4 ,5)					A, B, C	TEP or res of concrn	24	
860.1520	Processed food/feed(CITRUS)	(6 ,7 ,8)					A, B, C	TEP	24	
860.1520	Processed food/feed(CITRUS, DRIED PULP)	(9 ,10 ,11)					A, B, C	TEP	24	
860.1520	Processed food/feed(CITRUS, JUICE)	(12 ,13 ,14)					A, B, C	TEP	24	
860.1520	Processed food/feed(CITRUS, MEAL)	(18 ,19 ,20)					A, B, C	TEP	24	
860.1520	Processed food/feed(CITRUS, OIL)	(15 ,16 ,17)					A, B, C	TEP	24	
860.1650	Submittal of analytical reference standards	(21)					A, B, C	PAI & res of concern	24	

10. Certification I certify that the statements made on this form and all attachments are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine, imprisonment or both under applicable law

Signature and Title of Company's Authorized Representative_____

11. Date

12. Name of Company

13. Phone Number

United States Environmental Protection
Agency Washington, D.C. 20460

FOOTNOTES AND KEY DEFINITIONS FOR GUIDELINE REQUIREMENTS

Case # and Name: 0379 Napthaleneacetic Acid

DCI Number: GDCI-056008-NNNNN

Key: PAI & res of concern = Pure Active Ingredient and Residue of Concern; TEP = Typical End Use Product [TEP]; TEP or res of concrn = Typical End-Use Product or Residue of Concern; TGAI/PAI = Technical Grade Active Ingredient, Pure Active Ingredient

Use Categories Key:

A - Terrestrial food crop
B - Terrestrial feed crop
C - Terrestrial nonfood crop

Footnotes: [The following notes are referenced in column two (5. Study File) of the REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE form.]

1 Required for residential outdoor use on food crops if home gardens are to be treated or the home garden use is different from the agricultural use pattern on which the tolerance is established.

2 Data are required for any magnitude of the residue study unless analytical samples are stored frozen for 30 days or less, and the active ingredient is not known to be volatile or labile.

3 This study must be done on olive.

4 This study also may be conducted on citrus but is not required for this chemical if acceptable storage stability and food processing studies, both on citrus, are done on another naphthalene acetate.

5 No storage stability data on the processed commodities of apples (or citrus fruits) and olives are available, and these data are required for reregistration. The requested storage stability data for apple and olive processed commodities should reflect up to 143 and 283 days of freezer storage, respectively, since these were the maximum storage intervals of samples in the respective processing studies.

6 Data on the nature and level of residues in processed food/feed are required if residues could potentially concentrate on processing thus requiring the establishment of a separate tolerance higher than that of the raw agricultural commodity. Studies, however, may be waived if it can be demonstrated that residues do not concentrate on processing.

7 Not required for this chemical if acceptable storage stability and food processing studies, both on citrus, are done on another naphthalene acetate.

8 An acceptable food processing study has been completed for olive.

9 Data on the nature and level of residues in processed food/feed are required if residues could potentially concentrate on processing thus requiring the establishment of a separate tolerance higher than that of the raw agricultural commodity. Studies, however, may be waived if it can be demonstrated that residues do not concentrate on processing.

10 Not required for this chemical if acceptable storage stability and food processing studies, both on citrus, are done on another naphthalene acetate

11 An acceptable food processing study has been completed for olive.

12 Data on the nature and level of residues in processed food/feed are required if residues could potentially concentrate on processing thus requiring the establishment of a separate tolerance higher than that of the raw agricultural commodity. Studies, however, may be waived if it can be demonstrated that residues do not concentrate on processing.

13 Not required for this chemical if acceptable storage stability and food processing studies, both on citrus, are done on another naphthalene acetate

14 An acceptable food processing study has been completed for olive.

United States Environmental Protection
Agency Washington, D.C. 20460

FOOTNOTES AND KEY DEFINITIONS FOR GUIDELINE REQUIREMENTS

Case # and Name: 0379 Napthaleneacetic Acid

DCI Number: GDCI-056008-NNNNN

Key: PAI & res of concern = Pure Active Ingredient and Residue of Concern; TEP = Typical End Use Product [TEP]; TEP or res of concrn = Typical End-Use Product or Residue of Concern; TGAI/PAI = Technical Grade Active Ingredient, Pure Active Ingredient

Use Categories Key:

A - Terrestrial food crop
B - Terrestrial feed crop
C - Terrestrial nonfood crop

Footnotes: **[The following notes are referenced in column two (5. Study File) of the REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE form.]**

15 Data on the nature and level of residues in processed food/feed are required if residues could potentially concentrate on processing thus requiring the establishment of a separate tolerance higher than that of the raw agricultural commodity. Studies, however, may be waived if it can be demonstrated that residues do not concentrate on processing.

16 An acceptable food processing study has been completed for olive

17 An acceptable food processing study has been completed for olive

18 Data on the nature and level of residues in processed food/feed are required if residues could potentially concentrate on processing thus requiring the establishment of a separate tolerance higher than that of the raw agricultural commodity. Studies, however, may be waived if it can be demonstrated that residues do not concentrate on processing.

19 Not required for this chemical if acceptable storage stability and food processing studies, both on citrus, are done on another naphthalene acetate

20 An acceptable food processing study has been completed for olive.

21 Material safety data sheets must accompany standards as specified by OSHA in 29 CFR 1910.1200.

APPENDIX F – DRAFT PRODUCT SPECIFIC DATA CALL-IN FORMS

The following pages contain a draft version of the Product (specific) Data Call-In for products containing any of the following active ingredients: 1-Naphthaleneacetamide (PC Code 056001), 1-Naphthalene acetic acid (PC Code 056002), Potassium 1-naphthaleneacetate (PC Code 056003), Ammonium 1-naphthaleneacetate (PC Code 056004), Sodium 1-naphthaleneacetate (PC Code 056007), Ethyl 1-naphthaleneacetate (PC Code 056008).

United States Environmental Protection Agency Washington, D.C. 20460

DATA CALL-IN RESPONSE

OMB Approval 2070-0107
OMB Approval 2070-0057

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form. Use additional sheet(s) if necessary.

1. Company Name and Address	2. Case # and Name	3. Date and Type of DCI and Number
SAMPLE COMPANY NO STREET ADDRESS NO CITY, XX 00000	0379 Napthaleneacetic Acid Chemical # and Name 056001 1-Naphthaleneacetamide	DD-MMM-YYYY PRODUCT SPECIFIC ID # PDCI-056001-NNNN

4. EPA Product Registration	5. I wish to cancel this product registration voluntarily	6. Generic Data		7. Product Specific Data	
		6a. I am claiming a Generic Data Exemption because I obtain the active ingredient from the source EPA registration number listed below.	6b. I agree to satisfy Generic Data requirements as indicated on the attached form entitled "Requirements Status and Registrant's Response."	7a. My product is an MUP and I agree to satisfy the MUP requirements on the attached form entitled "Requirements Status and Registrant's Response."	7b. My product is an EUP and I agree to satisfy the EUP requirements on the attached form entitled "Requirements Status and Registrant's Response."
NNNNNN-NNNNN		N.A.	N.A.		

8. Certification I certify that the statements made on this form and all attachments are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine, imprisonment or both under applicable law.

Signature and Title of Company's Authorized Representative_____

9. Date

10. Name of Company

11. Phone Number

United States Environmental Protection
Agency Washington, D.C. 20460

OMB Approval 2070-0107
OMB Approval 2070-0057

REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form. Use additional sheet(s) if necessary.

1. Company Name and Address	2. Case # and Name	3. Date and Type of DCI and Number
SAMPLE COMPANY NO STREET ADDRESS NO CITY, XX 00000	0379 Napthaleneacetic Acid EPA Reg. No. NNNNNN-NNNNN	DD-MMM-YYYY PRODUCT SPECIFIC ID # PDCI-056001-NNNN

4. Guideline Requirement Number	5. Study Title	PROTOCOL	Progress Reports 1	2	3	6. Use Pattern	7. Test Substance	8. Time Frame (Months)	9. Registrant Response
	Product Chemistry Data Requirements (Conventional Chemical)								
830.1550	Product Identity and composition (5)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
830.1600	Description of materials used to produce the product (6)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
830.1620	Description of production process (2)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI	8	
830.1650	Description of formulation process (1)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.1670	Discussion of formation of impurities (3)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
830.1700	Preliminary analysis (7 ,8 ,9)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI	8	
830.1750	Certified limits (10 ,11)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
830.1800	Enforcement analytical method (12)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
830.6302	Color (13)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
830.6303	Physical state (14)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
830.6304	Odor (15)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	

10. Certification I certify that the statements made on this form and all attachments are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine, imprisonment or both under applicable law

Signature and Title of Company's Authorized Representative_____

11. Date

12. Name of Company

13. Phone Number

United States Environmental Protection
Agency Washington, D.C. 20460

OMB Approval 2070-0107
OMB Approval 2070-0057

REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form. Use additional sheet(s) if necessary.

1. Company Name and Address	2. Case # and Name	3. Date and Type of DCI and Number
SAMPLE COMPANY NO STREET ADDRESS NO CITY, XX 00000	0379 Napthaleneacetic Acid EPA Reg. No. NNNNNN-NNNNN	DD-MMM-YYYY PRODUCT SPECIFIC ID # PDCI-056001-NNNN

4. Guideline Requirement Number	5. Study Title		PROTOCOL	Progress Reports 1	2	3	6. Use Pattern	7. Test Substance	8. Time Frame (Months)	9. Registrant Response
830.6313	Stability to sunlight, normal and elevated temperatures, metals, and metal ions	(16 ,17)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI	8	
830.6314	Oxidizing or reducing action	(18)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.6315	Flammability	(19)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.6316	Explodability	(20)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.6317	Storage stability of product	(21)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.6319	Miscibility	(22)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.6320	Corrosion characteristics	(23)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.6321	Dielectric breakdown voltage	(24)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.7000	pH of water solutions or suspensions	(25 ,26)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
830.7050	UV/Visible absorption						A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/PAI	8	
830.7100	Viscosity	(27)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.7200	Melting point/melting range	(28 ,29)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI	8	

Initial to indicate certification as to information on this page (full text of certification is on page one).

Date

United States Environmental Protection
Agency Washington, D.C. 20460

OMB Approval 2070-0107
OMB Approval 2070-0057

REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form. Use additional sheet(s) if necessary.

1. Company Name and Address	2. Case # and Name	3. Date and Type of DCI and Number
SAMPLE COMPANY NO STREET ADDRESS NO CITY, XX 00000	0379 Napthaleneacetic Acid EPA Reg. No. NNNNNN-NNNNN	DD-MMM-YYYY PRODUCT SPECIFIC ID # PDCI-056001-NNNN

4. Guideline Requirement Number	5. Study Title	PROTOCOL	Progress Reports 1	2	3	6. Use Pattern	7. Test Substance	8. Time Frame (Months)	9. Registrant Response
830.7220	Boiling point/boiling range (30 ,31)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI	8	
830.7300	Density/relative density (32 ,33)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
830.7370	Dissociation constant in water (34 ,35)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/PAI	8	
830.7550	Partition coefficient (n-octanol/water), shake flask method (36)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/PAI	8	
830.7570	Partition coefficient (n-octanol/water), estimation by liquid chromatography (4)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/PAI	8	
830.7840	Water solubility: Column elution method, shake flask method (37)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI or PAI	8	
830.7860	Water solubility, generator column method (38)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI or PAI	8	
830.7950	Vapor pressure (39 ,40)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI or PAI	8	
	Toxicology Data Requirements (Conventional Chemical)								
870.1100	Acute Oral Toxicity (41)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
870.1200	Acute dermal toxicity (42 ,43)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
870.1300	Acute inhalation toxicity (44)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	

Initial to indicate certification as to information on this page (full text of certification is on page one).	Date

United States Environmental Protection
Agency Washington, D.C. 20460

OMB Approval 2070-0107
OMB Approval 2070-0057

REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form.
Use additional sheet(s) if necessary.

1. Company Name and Address	2. Case # and Name	3. Date and Type of DCI and Number
SAMPLE COMPANY NO STREET ADDRESS NO CITY, XX 00000	0379 Napthaleneacetic Acid EPA Reg. No. NNNNNN-NNNNN	DD-MMM-YYYY PRODUCT SPECIFIC ID # PDCI-056001-NNNN

4. Guideline Requirement Number	5. Study Title		PROTOCOL	Progress Reports 1	2	3	6. Use Pattern	7. Test Substance	8. Time Frame (Months)	9. Registrant Response
870.2400	Acute eye irritation	(45)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
870.2500	Acute dermal irritation	(46 ,47)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
870.2600	Skin sensitization	(48 ,49)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	

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(full text of certification is on page one).

Date

United States Environmental Protection
Agency Washington, D.C. 20460

FOOTNOTES AND KEY DEFINITIONS FOR GUIDELINE REQUIREMENTS

Case # and Name: 0379 Napthaleneacetic Acid

DCI Number: PDCI-056001-NNNN

Key: MP/EP = Manufacturing-Use Product, Pure Active Ingredient; TGAI = Technical Grade Active Ingredient [TGAI]; TGAI or PAI = Technical Grade of the Active Ingredient or Pure Active Ingredient; TGAI/MP/EP = Manufacturing-Use Product, Pure Active Ingredient and Technical Grade Active Ingredient; TGAI/PAI = Technical Grade Active Ingredient, Pure Active Ingredient

Use Categories Key:

A -	Terrestrial food crop	D -	Aquatic food crop	G -	Aquatic non-food residential	J -	Forestry use	M -	Indoor nonfood use
B -	Terrestrial feed crop	E -	Aquatic nonfood outdoor use	H -	Greenhouse food crop	K -	Residential	N -	Indoor medical use
C -	Terrestrial nonfood crop	F -	Aquatic nonfood industrial use	I -	Greenhouse nonfood crop	L -	Indoor food use	O -	Residential Indoor use

Footnotes: **[The following notes are referenced in column two (5. Study File) of the REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE form.]**

1 Data must be provided in accordance with the "Description of Formulation Process" Section.(158.165)

2 Data must be provided in accordance with the "Description of Production Process" Section.(158.162)

3 Data must be provided in accordance with the "Description of Formation of Impurities" Section(158.167)

4 Required if the TGAI or PAI is organic and non-polar.

5 Data must be provided in accordance with the "Product Composition" Section.(158.155)

6 Data must be provided in accordance with the "Description of Materials used to Produce the Product" Section.(158.160)

7 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

8 Required for TGAIs and products produced by an integrated system.

9 Data must be provided in accordance with the "Preliminary Analysis" Section.(158.170)

10 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

11 Data must be provided in accordance with the "Certified Limits" Section(158.175)

12 Data must be provided in accordance with the "Enforcement Analytical Method" Section.(158.180)

13 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

14 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

United States Environmental Protection
Agency Washington, D.C. 20460

FOOTNOTES AND KEY DEFINITIONS FOR GUIDELINE REQUIREMENTS

Case # and Name: 0379 Napthaleneacetic Acid

DCI Number: PDCI-056001-NNNN

Key: MP/EP = Manufacturing-Use Product, Pure Active Ingredient; TGAI = Technical Grade Active Ingredient [TGAI]; TGAI or PAI = Technical Grade of the Active Ingredient or Pure Active Ingredient; TGAI/MP/EP = Manufacturing-Use Product, Pure Active Ingredient and Technical Grade Active Ingredient; TGAI/PAI = Technical Grade Active Ingredient, Pure Active Ingredient

Use Categories Key:

A -	Terrestrial food crop	D -	Aquatic food crop	G -	Aquatic non-food residential	J -	Forestry use	M -	Indoor nonfood use
B -	Terrestrial feed crop	E -	Aquatic nonfood outdoor use	H -	Greenhouse food crop	K -	Residential	N -	Indoor medical use
C -	Terrestrial nonfood crop	F -	Aquatic nonfood industrial use	I -	Greenhouse nonfood crop	L -	Indoor food use	O -	Residential Indoor use

Footnotes: [The following notes are referenced in column two (5. Study File) of the REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE form.]

15 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

16 Data on the stability to metals and metal ions is required only if the active ingredient is expected to come in contact with either material during storage.

17 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

18 Required if the product contains an oxidizing or reducing agent

19 Required when the product contains combustible liquids.

20 Required when the product is potentially explosive.

21 Please see attached "Additional Information and Requirements Pertaining to Storage Stability (OPPTS 830.6317) and Corrosion Characteristics (OPPTS 830.6320) Data Requirements of the Product Specific Data Call-Ins issued under the Reregistration Eligibility Decision (RED)/Interim Reregistration Eligibility Decision (IRED) Documents."

22 Required if the product is an emulsifiable liquid and is to be diluted with petroleum solvents.

23 Please see attached "Additional Information and Requirements Pertaining to Storage Stability (OPPTS 830.6317) and Corrosion Characteristics (OPPTS 830.6320) Data Requirements of the Product Specific Data Call-Ins issued under the Reregistration Eligibility Decision (RED)/Interim Reregistration Eligibility Decision (IRED) Documents."

24 Required if the end-use product is a liquid and is to be used around electrical equipment.

25 Required if the product is dispersible with water.

26 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

27 Required if the product is a liquid.

28 Required when the TGAI is solid at room temperature.

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FOOTNOTES AND KEY DEFINITIONS FOR GUIDELINE REQUIREMENTS

Case # and Name: 0379 Napthaleneacetic Acid

DCI Number: PDCI-056001-NNNN

Key: MP/EP = Manufacturing-Use Product, Pure Active Ingredient; TGAI = Technical Grade Active Ingredient [TGAI]; TGAI or PAI = Technical Grade of the Active Ingredient or Pure Active Ingredient; TGAI/MP/EP = Manufacturing-Use Product, Pure Active Ingredient and Technical Grade Active Ingredient; TGAI/PAI = Technical Grade Active Ingredient, Pure Active Ingredient

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C -	Terrestrial nonfood crop	F -	Aquatic nonfood industrial use	I -	Greenhouse nonfood crop	L -	Indoor food use	O -	Residential Indoor use

Footnotes: [The following notes are referenced in column two (5. Study File) of the REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE form.]

29 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

30 Required if the TGAI is liquid at room temperature.

31 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

32 True density or specific density are required for all test substances. Data on bulk density is required for MPs that are solid at room temperature.

33 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

34 Required when the test substance contains an acid or base functionality (organic or inorganic) or an alcoholic functionality (organic).

35 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

36 Required if the TGAI or PAI is organic and non-polar.

37 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

38 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

39 Not required for salts.

40 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

41 Not required if test material is a gas or a highly volatile liquid.

42 Not required if test material is corrosive to skin or has a pH of less than 2 or greater than 11.5.

United States Environmental Protection
Agency Washington, D.C. 20460

FOOTNOTES AND KEY DEFINITIONS FOR GUIDELINE REQUIREMENTS

Case # and Name: 0379 Napthaleneacetic Acid

DCI Number: PDCI-056001-NNNN

Key: MP/EP = Manufacturing-Use Product, Pure Active Ingredient; TGAI = Technical Grade Active Ingredient [TGAI]; TGAI or PAI = Technical Grade of the Active Ingredient or Pure Active Ingredient; TGAI/MP/EP = Manufacturing-Use Product, Pure Active Ingredient and Technical Grade Active Ingredient; TGAI/PAI = Technical Grade Active Ingredient, Pure Active Ingredient

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C -	Terrestrial nonfood crop	F -	Aquatic nonfood industrial use	I -	Greenhouse nonfood crop	L -	Indoor food use	O -	Residential Indoor use

Footnotes: **[The following notes are referenced in column two (5. Study File) of the REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE form.]**

43 Not required if test material is a gas or a highly volatile liquid.

44 Required if the product consists of, or under conditions of use will result in, a respirable material (e.g., gas, vapor, aerosol, or particulate).

45 Not required if test material is corrosive to skin or has a pH of less than 2 or greater than 11.5.

46 Not required if test material is corrosive to skin or has a pH of less than 2 or greater than 11.5.

47 Not required if test material is a gas or a highly volatile liquid.

48 Required if repeated dermal exposure is likely to occur under conditions of use.

49 Not required if test material is corrosive to skin or has a pH of less than 2 or greater than 11.5.

United States Environmental Protection Agency Washington, D.C. 20460

DATA CALL-IN RESPONSE

OMB Approval 2070-0107
OMB Approval 2070-0057

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form. Use additional sheet(s) if necessary.

1. Company Name and Address	2. Case # and Name	3. Date and Type of DCI and Number
SAMPLE COMPANY NO STREET ADDRESS NO CITY, XX 00000	0379 Napthaleneacetic Acid Chemical # and Name 056002 1-Naphthaleneacetic acid	DD-MMM-YYYY PRODUCT SPECIFIC ID # PDCI-056002-NNNN

4. EPA Product Registration	5. I wish to cancel this product registration voluntarily	6. Generic Data		7. Product Specific Data	
		6a. I am claiming a Generic Data Exemption because I obtain the active ingredient from the source EPA registration number listed below.	6b. I agree to satisfy Generic Data requirements as indicated on the attached form entitled "Requirements Status and Registrant's Response."	7a. My product is an MUP and I agree to satisfy the MUP requirements on the attached form entitled "Requirements Status and Registrant's Response."	7b. My product is an EUP and I agree to satisfy the EUP requirements on the attached form entitled "Requirements Status and Registrant's Response."
NNNNNN-NNNNN		N.A.	N.A.		

8. Certification I certify that the statements made on this form and all attachments are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine, imprisonment or both under applicable law.

Signature and Title of Company's Authorized Representative_____

9. Date

10. Name of Company

11. Phone Number

United States Environmental Protection
Agency Washington, D.C. 20460

OMB Approval 2070-0107
OMB Approval 2070-0057

REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form. Use additional sheet(s) if necessary.

1. Company Name and Address	2. Case # and Name	3. Date and Type of DCI and Number
SAMPLE COMPANY NO STREET ADDRESS NO CITY, XX 00000	0379 Napthaleneacetic Acid EPA Reg. No. NNNNNN-NNNNN	DD-MMM-YYYY PRODUCT SPECIFIC ID # PDCI-056002-NNNN

4. Guideline Requirement Number	5. Study Title		PROTOCOL	Progress Reports 1	2	3	6. Use Pattern	7. Test Substance	8. Time Frame (Months)	9. Registrant Response
	Product Chemistry Data Requirements (Conventional Chemical)									
830.1550	Product Identity and composition	(1)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
830.1600	Description of materials used to produce the product	(2)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
830.1620	Description of production process	(6)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI	8	
830.1650	Description of formulation process	(7)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.1670	Discussion of formation of impurities	(8)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
830.1700	Preliminary analysis	(3 ,4 ,5)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI	8	
830.1750	Certified limits	(9 ,10)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
830.1800	Enforcement analytical method	(11)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
830.6302	Color	(12)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
830.6303	Physical state	(13)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
830.6304	Odor	(14)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	

10. Certification I certify that the statements made on this form and all attachments are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine, imprisonment or both under applicable law

Signature and Title of Company's Authorized Representative_____

11. Date

12. Name of Company

13. Phone Number

United States Environmental Protection
Agency Washington, D.C. 20460

OMB Approval 2070-0107
OMB Approval 2070-0057

REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form.
Use additional sheet(s) if necessary.

1. Company Name and Address	2. Case # and Name	3. Date and Type of DCI and Number
SAMPLE COMPANY NO STREET ADDRESS NO CITY, XX 00000	0379 Napthaleneacetic Acid EPA Reg. No. NNNNNN-NNNNN	DD-MMM-YYYY PRODUCT SPECIFIC ID # PDCI-056002-NNNN

4. Guideline Requirement Number	5. Study Title		PROTOCOL	Progress Reports 1	2	3	6. Use Pattern	7. Test Substance	8. Time Frame (Months)	9. Registrant Response
830.6313	Stability to sunlight, normal and elevated temperatures, metals, and metal ions	(15 ,16)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI	8	
830.6314	Oxidizing or reducing action	(17)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.6315	Flammability	(18)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.6316	Explodability	(19)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.6317	Storage stability of product	(20)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.6319	Miscibility	(21)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.6320	Corrosion characteristics	(22)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.6321	Dielectric breakdown voltage	(23)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.7000	pH of water solutions or suspensions	(24 ,25)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
830.7050	UV/Visible absorption						A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/PAI	8	
830.7100	Viscosity	(26)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.7200	Melting point/melting range	(27 ,28)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI	8	

Initial to indicate certification as to information on this page (full text of certification is on page one).	Date

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REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form. Use additional sheet(s) if necessary.

1. Company Name and Address	2. Case # and Name	3. Date and Type of DCI and Number
SAMPLE COMPANY NO STREET ADDRESS NO CITY, XX 00000	0379 Napthaleneacetic Acid EPA Reg. No. NNNNNN-NNNNN	DD-MMM-YYYY PRODUCT SPECIFIC ID # PDCI-056002-NNNN

4. Guideline Requirement Number	5. Study Title		PROTOCOL	Progress Reports 1	2	3	6. Use Pattern	7. Test Substance	8. Time Frame (Months)	9. Registrant Response
830.7220	Boiling point/boiling range	(29 ,30)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI	8	
830.7300	Density/relative density	(31 ,32)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
830.7370	Dissociation constant in water	(33 ,34)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/PAI	8	
830.7550	Partition coefficient (n-octanol/water), shake flask method	(35)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/PAI	8	
830.7570	Partition coefficient (n-octanol/water), estimation by liquid chromatography	(36)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/PAI	8	
830.7840	Water solubility: Column elution method, shake flask method	(37)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI or PAI	8	
830.7860	Water solubility, generator column method	(38)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI or PAI	8	
830.7950	Vapor pressure	(39 ,40)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI or PAI	8	
	Toxicology Data Requirements (Conventional Chemical)									
870.1100	Acute Oral Toxicity	(41)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
870.1200	Acute dermal toxicity	(42 ,43)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
870.1300	Acute inhalation toxicity	(44)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	

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REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE

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1. Company Name and Address	2. Case # and Name	3. Date and Type of DCI and Number
SAMPLE COMPANY NO STREET ADDRESS NO CITY, XX 00000	0379 Napthaleneacetic Acid EPA Reg. No. NNNNNN-NNNNN	DD-MMM-YYYY PRODUCT SPECIFIC ID # PDCI-056002-NNNN

4. Guideline Requirement Number	5. Study Title		PROTOCOL	Progress Reports 1	2	3	6. Use Pattern	7. Test Substance	8. Time Frame (Months)	9. Registrant Response
870.2400	Acute eye irritation	(45)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
870.2500	Acute dermal irritation	(46 ,47)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
870.2600	Skin sensitization	(48 ,49)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	

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United States Environmental Protection
Agency Washington, D.C. 20460

FOOTNOTES AND KEY DEFINITIONS FOR GUIDELINE REQUIREMENTS

Case # and Name: 0379 Napthaleneacetic Acid

DCI Number: PDCI-056002-NNNN

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Footnotes: **[The following notes are referenced in column two (5. Study File) of the REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE form.]**

1 Data must be provided in accordance with the "Product Composition" Section.(158.155)

2 Data must be provided in accordance with the "Description of Materials used to Produce the Product" Section.(158.160)

3 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

4 Required for TGAIs and products produced by an integrated system.

5 Data must be provided in accordance with the "Preliminary Analysis" Section.(158.170)

6 Data must be provided in accordance with the "Description of Production Process" Section.(158.162)

7 Data must be provided in accordance with the "Description of Formulation Process" Section.(158.165)

8 Data must be provided in accordance with the "Description of Formation of Impurities" Section(158.167)

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10 Data must be provided in accordance with the "Certified Limits" Section(158.175)

11 Data must be provided in accordance with the "Enforcement Analytical Method" Section.(158.180)

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DCI Number: PDCI-056002-NNNN

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Footnotes: [The following notes are referenced in column two (5. Study File) of the REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE form.]

15 Data on the stability to metals and metal ions is required only if the active ingredient is expected to come in contact with either material during storage.

16 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

17 Required if the product contains an oxidizing or reducing agent

18 Required when the product contains combustible liquids.

19 Required when the product is potentially explosive.

20 Please see attached "Additional Information and Requirements Pertaining to Storage Stability (OPPTS 830.6317) and Corrosion Characteristics (OPPTS 830.6320) Data Requirements of the Product Specific Data Call-Ins issued under the Reregistration Eligibility Decision (RED)/Interim Reregistration Eligibility Decision (IRED) Documents."

21 Required if the product is an emulsifiable liquid and is to be diluted with petroleum solvents.

22 Please see attached "Additional Information and Requirements Pertaining to Storage Stability (OPPTS 830.6317) and Corrosion Characteristics (OPPTS 830.6320) Data Requirements of the Product Specific Data Call-Ins issued under the Reregistration Eligibility Decision (RED)/Interim Reregistration Eligibility Decision (IRED) Documents."

23 Required if the end-use product is a liquid and is to be used around electrical equipment.

24 Required if the product is dispersible with water.

25 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

26 Required if the product is a liquid.

27 Required when the TGAI is solid at room temperature.

28 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

United States Environmental Protection
Agency Washington, D.C. 20460

FOOTNOTES AND KEY DEFINITIONS FOR GUIDELINE REQUIREMENTS

Case # and Name: 0379 Napthaleneacetic Acid

DCI Number: PDCI-056002-NNNN

Key: MP/EP = Manufacturing-Use Product, Pure Active Ingredient; TGAI = Technical Grade Active Ingredient [TGAI]; TGAI or PAI = Technical Grade of the Active Ingredient or Pure Active Ingredient; TGAI/MP/EP = Manufacturing-Use Product, Pure Active Ingredient and Technical Grade Active Ingredient; TGAI/PAI = Technical Grade Active Ingredient, Pure Active Ingredient

Use Categories Key:

A -	Terrestrial food crop	D -	Aquatic food crop	G -	Aquatic non-food residential	J -	Forestry use	M -	Indoor nonfood use
B -	Terrestrial feed crop	E -	Aquatic nonfood outdoor use	H -	Greenhouse food crop	K -	Residential	N -	Indoor medical use
C -	Terrestrial nonfood crop	F -	Aquatic nonfood industrial use	I -	Greenhouse nonfood crop	L -	Indoor food use	O -	Residential Indoor use

Footnotes: **[The following notes are referenced in column two (5. Study File) of the REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE form.]**

29 Required if the TGAI is liquid at room temperature.

30 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

31 True density or specific density are required for all test substances. Data on bulk density is required for MPs that are solid at room temperature.

32 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

33 Required when the test substance contains an acid or base functionality (organic or inorganic) or an alcoholic functionality (organic).

34 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

35 Required if the TGAI or PAI is organic and non-polar.

36 Required if the TGAI or PAI is organic and non-polar.

37 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

38 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

39 Not required for salts.

40 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

41 Not required if test material is a gas or a highly volatile liquid.

42 Not required if test material is corrosive to skin or has a pH of less than 2 or greater than 11.5.

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Agency Washington, D.C. 20460

FOOTNOTES AND KEY DEFINITIONS FOR GUIDELINE REQUIREMENTS

Case # and Name: 0379 Napthaleneacetic Acid

DCI Number: PDCI-056002-NNNN

Key: MP/EP = Manufacturing-Use Product, Pure Active Ingredient; TGAI = Technical Grade Active Ingredient [TGAI]; TGAI or PAI = Technical Grade of the Active Ingredient or Pure Active Ingredient; TGAI/MP/EP = Manufacturing-Use Product, Pure Active Ingredient and Technical Grade Active Ingredient; TGAI/PAI = Technical Grade Active Ingredient, Pure Active Ingredient

Use Categories Key:

A -	Terrestrial food crop	D -	Aquatic food crop	G -	Aquatic non-food residential	J -	Forestry use	M -	Indoor nonfood use
B -	Terrestrial feed crop	E -	Aquatic nonfood outdoor use	H -	Greenhouse food crop	K -	Residential	N -	Indoor medical use
C -	Terrestrial nonfood crop	F -	Aquatic nonfood industrial use	I -	Greenhouse nonfood crop	L -	Indoor food use	O -	Residential Indoor use

Footnotes: [The following notes are referenced in column two (5. Study File) of the REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE form.]

43 Not required if test material is a gas or a highly volatile liquid.

44 Required if the product consists of, or under conditions of use will result in, a respirable material (e.g., gas, vapor, aerosol, or particulate).

45 Not required if test material is corrosive to skin or has a pH of less than 2 or greater than 11.5.

46 Not required if test material is corrosive to skin or has a pH of less than 2 or greater than 11.5.

47 Not required if test material is a gas or a highly volatile liquid.

48 Required if repeated dermal exposure is likely to occur under conditions of use.

49 Not required if test material is corrosive to skin or has a pH of less than 2 or greater than 11.5.

United States Environmental Protection Agency Washington, D.C. 20460

DATA CALL-IN RESPONSE

OMB Approval 2070-0107
OMB Approval 2070-0057

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form. Use additional sheet(s) if necessary.

1. Company Name and Address	2. Case # and Name	3. Date and Type of DCI and Number
SAMPLE COMPANY NO STREET ADDRESS NO CITY, XX 00000	0379 Napthaleneacetic Acid Chemical # and Name 056003 Potassium 1-naphthaleneacetate	DD-MMM-YYYY PRODUCT SPECIFIC ID # PDCI-056003-NNNN

4. EPA Product Registration	5. I wish to cancel this product registration voluntarily	6. Generic Data		7. Product Specific Data	
		6a. I am claiming a Generic Data Exemption because I obtain the active ingredient from the source EPA registration number listed below.	6b. I agree to satisfy Generic Data requirements as indicated on the attached form entitled "Requirements Status and Registrant's Response."	7a. My product is an MUP and I agree to satisfy the MUP requirements on the attached form entitled "Requirements Status and Registrant's Response."	7b. My product is an EUP and I agree to satisfy the EUP requirements on the attached form entitled "Requirements Status and Registrant's Response."
NNNNNN-NNNNN		N.A.	N.A.		

8. Certification I certify that the statements made on this form and all attachments are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine, imprisonment or both under applicable law.

Signature and Title of Company's Authorized Representative_____

9. Date

10. Name of Company

11. Phone Number

United States Environmental Protection
Agency Washington, D.C. 20460

OMB Approval 2070-0107
OMB Approval 2070-0057

REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form. Use additional sheet(s) if necessary.

1. Company Name and Address	2. Case # and Name	3. Date and Type of DCI and Number
SAMPLE COMPANY NO STREET ADDRESS NO CITY, XX 00000	0379 Napthaleneacetic Acid EPA Reg. No. NNNNNN-NNNNN	DD-MMM-YYYY PRODUCT SPECIFIC ID # PDCI-056003-NNNN

4. Guideline Requirement Number	5. Study Title		PROTOCOL	Progress Reports 1	2	3	6. Use Pattern	7. Test Substance	8. Time Frame (Months)	9. Registrant Response
	Product Chemistry Data Requirements (Conventional Chemical)									
830.1550	Product Identity and composition	(5)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
830.1600	Description of materials used to produce the product	(6)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
830.1620	Description of production process	(1)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI	8	
830.1650	Description of formulation process	(2)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.1670	Discussion of formation of impurities	(3)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
830.1700	Preliminary analysis	(7 ,8 ,9)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI	8	
830.1750	Certified limits	(10 ,11)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
830.1800	Enforcement analytical method	(12)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
830.6302	Color	(13)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
830.6303	Physical state	(14)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
830.6304	Odor	(15)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	

10. Certification I certify that the statements made on this form and all attachments are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine, imprisonment or both under applicable law

Signature and Title of Company's Authorized Representative_____

11. Date

12. Name of Company

13. Phone Number

United States Environmental Protection
Agency Washington, D.C. 20460

OMB Approval 2070-0107
OMB Approval 2070-0057

REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form.
Use additional sheet(s) if necessary.

1. Company Name and Address	2. Case # and Name	3. Date and Type of DCI and Number
SAMPLE COMPANY NO STREET ADDRESS NO CITY, XX 00000	0379 Napthaleneacetic Acid EPA Reg. No. NNNNNN-NNNNN	DD-MMM-YYYY PRODUCT SPECIFIC ID # PDCI-056003-NNNN

4. Guideline Requirement Number	5. Study Title		PROTOCOL	Progress Reports 1	2	3	6. Use Pattern	7. Test Substance	8. Time Frame (Months)	9. Registrant Response
830.6313	Stability to sunlight, normal and elevated temperatures, metals, and metal ions	(16 ,17)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI	8	
830.6314	Oxidizing or reducing action	(18)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.6315	Flammability	(19)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.6316	Explodability	(20)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.6317	Storage stability of product	(21)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.6319	Miscibility	(22)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.6320	Corrosion characteristics	(23)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.6321	Dielectric breakdown voltage	(24)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.7000	pH of water solutions or suspensions	(25 ,26)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
830.7050	UV/Visible absorption						A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/PAI	8	
830.7100	Viscosity	(27)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.7200	Melting point/melting range	(28 ,29)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI	8	

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Agency Washington, D.C. 20460

OMB Approval 2070-0107
OMB Approval 2070-0057

REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form. Use additional sheet(s) if necessary.

1. Company Name and Address	2. Case # and Name	3. Date and Type of DCI and Number
SAMPLE COMPANY NO STREET ADDRESS NO CITY, XX 00000	0379 Napthaleneacetic Acid EPA Reg. No. NNNNNN-NNNNN	DD-MMM-YYYY PRODUCT SPECIFIC ID # PDCI-056003-NNNN

4. Guideline Requirement Number	5. Study Title		PROTOCOL	Progress Reports 1	2	3	6. Use Pattern	7. Test Substance	8. Time Frame (Months)	9. Registrant Response
830.7220	Boiling point/boiling range	(30 ,31)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI	8	
830.7300	Density/relative density	(32 ,33)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
830.7370	Dissociation constant in water	(34 ,35)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI or PAI	8	
830.7550	Partition coefficient (n-octanol/water), shake flask method	(36)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI or PAI	8	
830.7570	Partition coefficient (n-octanol/water), estimation by liquid chromatography	(4)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/PAI	8	
830.7840	Water solubility: Column elution method, shake flask method	(37)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI or PAI	8	
830.7860	Water solubility, generator column method	(38)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI or PAI	8	
830.7950	Vapor pressure	(39 ,40)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI or PAI	8	
	Toxicology Data Requirements (Conventional Chemical)									
870.1100	Acute Oral Toxicity	(41)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
870.1200	Acute dermal toxicity	(42 ,43)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
870.1300	Acute inhalation toxicity	(44)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	

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Date

United States Environmental Protection
Agency Washington, D.C. 20460

OMB Approval 2070-0107
OMB Approval 2070-0057

REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form.
Use additional sheet(s) if necessary.

1. Company Name and Address	2. Case # and Name	3. Date and Type of DCI and Number
SAMPLE COMPANY NO STREET ADDRESS NO CITY, XX 00000	0379 Napthaleneacetic Acid EPA Reg. No. NNNNNN-NNNNN	DD-MMM-YYYY PRODUCT SPECIFIC ID # PDCI-056003-NNNN

4. Guideline Requirement Number	5. Study Title		PROTOCOL	Progress Reports 1	2	3	6. Use Pattern	7. Test Substance	8. Time Frame (Months)	9. Registrant Response
870.2400	Acute eye irritation	(45)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
870.2500	Acute dermal irritation	(46 ,47)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
870.2600	Skin sensitization	(48 ,49)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	

Initial to indicate certification as to information on this page
(full text of certification is on page one).

Date

United States Environmental Protection
Agency Washington, D.C. 20460

FOOTNOTES AND KEY DEFINITIONS FOR GUIDELINE REQUIREMENTS

Case # and Name: 0379 Napthaleneacetic Acid

DCI Number: PDCI-056003-NNNN

Key: MP/EP = Manufacturing-Use Product, Pure Active Ingredient; TGAI = Technical Grade Active Ingredient [TGAI]; TGAI or PAI = Technical Grade of the Active Ingredient or Pure Active Ingredient; TGAI/MP/EP = Manufacturing-Use Product, Pure Active Ingredient and Technical Grade Active Ingredient; TGAI/PAI = Technical Grade Active Ingredient, Pure Active Ingredient

Use Categories Key:

A -	Terrestrial food crop	D -	Aquatic food crop	G -	Aquatic non-food residential	J -	Forestry use	M -	Indoor nonfood use
B -	Terrestrial feed crop	E -	Aquatic nonfood outdoor use	H -	Greenhouse food crop	K -	Residential	N -	Indoor medical use
C -	Terrestrial nonfood crop	F -	Aquatic nonfood industrial use	I -	Greenhouse nonfood crop	L -	Indoor food use	O -	Residential Indoor use

Footnotes: [The following notes are referenced in column two (5. Study File) of the REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE form.]

1 Data must be provided in accordance with the "Description of Production Process" Section.(158.162)

2 Data must be provided in accordance with the "Description of Formulation Process" Section.(158.165)

3 Data must be provided in accordance with the "Description of Formation of Impurities" Section(158.167)

4 Required if the TGAI or PAI is organic and non-polar.

5 Data must be provided in accordance with the "Product Composition" Section.(158.155)

6 Data must be provided in accordance with the "Description of Materials used to Produce the Product" Section.(158.160)

7 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

8 Required for TGAIs and products produced by an integrated system.

9 Data must be provided in accordance with the "Preliminary Analysis" Section.(158.170)

10 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

11 Data must be provided in accordance with the "Certified Limits" Section(158.175)

12 Data must be provided in accordance with the "Enforcement Analytical Method" Section.(158.180)

13 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

14 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

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Agency Washington, D.C. 20460

FOOTNOTES AND KEY DEFINITIONS FOR GUIDELINE REQUIREMENTS

Case # and Name: 0379 Napthaleneacetic Acid

DCI Number: PDCI-056003-NNNN

Key: MP/EP = Manufacturing-Use Product, Pure Active Ingredient; TGAI = Technical Grade Active Ingredient [TGAI]; TGAI or PAI = Technical Grade of the Active Ingredient or Pure Active Ingredient; TGAI/MP/EP = Manufacturing-Use Product, Pure Active Ingredient and Technical Grade Active Ingredient; TGAI/PAI = Technical Grade Active Ingredient, Pure Active Ingredient

Use Categories Key:

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Footnotes: [The following notes are referenced in column two (5. Study File) of the REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE form.]

15 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

16 Data on the stability to metals and metal ions is required only if the active ingredient is expected to come in contact with either material during storage.

17 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

18 Required if the product contains an oxidizing or reducing agent

19 Required when the product contains combustible liquids.

20 Required when the product is potentially explosive.

21 Please see attached "Additional Information and Requirements Pertaining to Storage Stability (OPPTS 830.6317) and Corrosion Characteristics (OPPTS 830.6320) Data Requirements of the Product Specific Data Call-Ins issued under the Reregistration Eligibility Decision (RED)/Interim Reregistration Eligibility Decision (IRED) Documents."

22 Required if the product is an emulsifiable liquid and is to be diluted with petroleum solvents.

23 Please see attached "Additional Information and Requirements Pertaining to Storage Stability (OPPTS 830.6317) and Corrosion Characteristics (OPPTS 830.6320) Data Requirements of the Product Specific Data Call-Ins issued under the Reregistration Eligibility Decision (RED)/Interim Reregistration Eligibility Decision (IRED) Documents."

24 Required if the end-use product is a liquid and is to be used around electrical equipment.

25 Required if the product is dispersible with water.

26 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

27 Required if the product is a liquid.

28 Required when the TGAI is solid at room temperature.

United States Environmental Protection
Agency Washington, D.C. 20460

FOOTNOTES AND KEY DEFINITIONS FOR GUIDELINE REQUIREMENTS

Case # and Name: 0379 Napthaleneacetic Acid

DCI Number: PDCI-056003-NNNN

Key: MP/EP = Manufacturing-Use Product, Pure Active Ingredient; TGAI = Technical Grade Active Ingredient [TGAI]; TGAI or PAI = Technical Grade of the Active Ingredient or Pure Active Ingredient; TGAI/MP/EP = Manufacturing-Use Product, Pure Active Ingredient and Technical Grade Active Ingredient; TGAI/PAI = Technical Grade Active Ingredient, Pure Active Ingredient

Use Categories Key:

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B -	Terrestrial feed crop	E -	Aquatic nonfood outdoor use	H -	Greenhouse food crop	K -	Residential	N -	Indoor medical use
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Footnotes: [The following notes are referenced in column two (5. Study File) of the REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE form.]

29 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

30 Required if the TGAI is liquid at room temperature.

31 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

32 True density or specific density are required for all test substances. Data on bulk density is required for MPs that are solid at room temperature.

33 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

34 Required when the test substance contains an acid or base functionality (organic or inorganic) or an alcoholic functionality (organic).

35 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

36 Required if the TGAI or PAI is organic and non-polar.

37 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

38 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

39 Not required for salts.

40 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

41 Not required if test material is a gas or a highly volatile liquid.

42 Not required if test material is corrosive to skin or has a pH of less than 2 or greater than 11.5.

United States Environmental Protection
Agency Washington, D.C. 20460

FOOTNOTES AND KEY DEFINITIONS FOR GUIDELINE REQUIREMENTS

Case # and Name: 0379 Napthaleneacetic Acid

DCI Number: PDCI-056003-NNNN

Key: MP/EP = Manufacturing-Use Product, Pure Active Ingredient; TGAI = Technical Grade Active Ingredient [TGAI]; TGAI or PAI = Technical Grade of the Active Ingredient or Pure Active Ingredient; TGAI/MP/EP = Manufacturing-Use Product, Pure Active Ingredient and Technical Grade Active Ingredient; TGAI/PAI = Technical Grade Active Ingredient, Pure Active Ingredient

Use Categories Key:

A -	Terrestrial food crop	D -	Aquatic food crop	G -	Aquatic non-food residential	J -	Forestry use	M -	Indoor nonfood use
B -	Terrestrial feed crop	E -	Aquatic nonfood outdoor use	H -	Greenhouse food crop	K -	Residential	N -	Indoor medical use
C -	Terrestrial nonfood crop	F -	Aquatic nonfood industrial use	I -	Greenhouse nonfood crop	L -	Indoor food use	O -	Residential Indoor use

Footnotes: **[The following notes are referenced in column two (5. Study File) of the REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE form.]**

43 Not required if test material is a gas or a highly volatile liquid.

44 Required if the product consists of, or under conditions of use will result in, a respirable material (e.g., gas, vapor, aerosol, or particulate).

45 Not required if test material is corrosive to skin or has a pH of less than 2 or greater than 11.5.

46 Not required if test material is corrosive to skin or has a pH of less than 2 or greater than 11.5.

47 Not required if test material is a gas or a highly volatile liquid.

48 Required if repeated dermal exposure is likely to occur under conditions of use.

49 Not required if test material is corrosive to skin or has a pH of less than 2 or greater than 11.5.

United States Environmental Protection Agency Washington, D.C. 20460

DATA CALL-IN RESPONSE

OMB Approval 2070-0107
OMB Approval 2070-0057

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form. Use additional sheet(s) if necessary.

1. Company Name and Address	2. Case # and Name	3. Date and Type of DCI and Number
SAMPLE COMPANY NO STREET ADDRESS NO CITY, XX 00000	0379 Napthaleneacetic Acid Chemical # and Name 056004 Ammonium 1-naphthaleneacetate	DD-MMM-YYYY PRODUCT SPECIFIC ID # PDCI-056004-NNNN

4. EPA Product Registration	5. I wish to cancel this product registration voluntarily	6. Generic Data		7. Product Specific Data	
		6a. I am claiming a Generic Data Exemption because I obtain the active ingredient from the source EPA registration number listed below.	6b. I agree to satisfy Generic Data requirements as indicated on the attached form entitled "Requirements Status and Registrant's Response."	7a. My product is an MUP and I agree to satisfy the MUP requirements on the attached form entitled "Requirements Status and Registrant's Response."	7b. My product is an EUP and I agree to satisfy the EUP requirements on the attached form entitled "Requirements Status and Registrant's Response."
NNNNNN-NNNNN		N.A.	N.A.		

8. Certification I certify that the statements made on this form and all attachments are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine, imprisonment or both under applicable law.

Signature and Title of Company's Authorized Representative_____

9. Date

10. Name of Company

11. Phone Number

United States Environmental Protection
Agency Washington, D.C. 20460

OMB Approval 2070-0107
OMB Approval 2070-0057

REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form. Use additional sheet(s) if necessary.

1. Company Name and Address	2. Case # and Name	3. Date and Type of DCI and Number
SAMPLE COMPANY NO STREET ADDRESS NO CITY, XX 00000	0379 Napthaleneacetic Acid EPA Reg. No. NNNNNN-NNNNN	DD-MMM-YYYY PRODUCT SPECIFIC ID # PDCI-056004-NNNN

4. Guideline Requirement Number	5. Study Title	PROTOCOL	Progress Reports 1	2	3	6. Use Pattern	7. Test Substance	8. Time Frame (Months)	9. Registrant Response
	Product Chemistry Data Requirements (Conventional Chemical)								
830.1550	Product Identity and composition (5)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
830.1600	Description of materials used to produce the product (6)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
830.1620	Description of production process (1)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI	8	
830.1650	Description of formulation process (2)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.1670	Discussion of formation of impurities (3)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
830.1700	Preliminary analysis (7 ,8 ,9)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI	8	
830.1750	Certified limits (10 ,11)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI	8	
830.1800	Enforcement analytical method (12)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
830.6302	Color (13)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
830.6303	Physical state (14)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
830.6304	Odor (15)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	

10. Certification I certify that the statements made on this form and all attachments are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine, imprisonment or both under applicable law

Signature and Title of Company's Authorized Representative_____

11. Date

12. Name of Company

13. Phone Number

United States Environmental Protection
Agency Washington, D.C. 20460

OMB Approval 2070-0107
OMB Approval 2070-0057

REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form. Use additional sheet(s) if necessary.

1. Company Name and Address	2. Case # and Name	3. Date and Type of DCI and Number
SAMPLE COMPANY NO STREET ADDRESS NO CITY, XX 00000	0379 Napthaleneacetic Acid EPA Reg. No. NNNNNN-NNNNN	DD-MMM-YYYY PRODUCT SPECIFIC ID # PDCI-056004-NNNN

4. Guideline Requirement Number	5. Study Title		PROTOCOL	Progress Reports 1	2	3	6. Use Pattern	7. Test Substance	8. Time Frame (Months)	9. Registrant Response
830.6313	Stability to sunlight, normal and elevated temperatures, metals, and metal ions	(16 ,17)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI	8	
830.6314	Oxidizing or reducing action	(18)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.6315	Flammability	(19)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.6316	Explodability	(20)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.6317	Storage stability of product	(21)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.6319	Miscibility	(22)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.6320	Corrosion characteristics	(23)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.6321	Dielectric breakdown voltage	(24)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.7000	pH of water solutions or suspensions	(25 ,26)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
830.7050	UV/Visible absorption						A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/PAI	8	
830.7100	Viscosity	(27)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.7200	Melting point/melting range	(28 ,29)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI	8	

Initial to indicate certification as to information on this page (full text of certification is on page one).

Date

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Agency Washington, D.C. 20460

OMB Approval 2070-0107
OMB Approval 2070-0057

REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form. Use additional sheet(s) if necessary.

1. Company Name and Address	2. Case # and Name	3. Date and Type of DCI and Number
SAMPLE COMPANY NO STREET ADDRESS NO CITY, XX 00000	0379 Napthaleneacetic Acid EPA Reg. No. NNNNNN-NNNNN	DD-MMM-YYYY PRODUCT SPECIFIC ID # PDCI-056004-NNNN

4. Guideline Requirement Number	5. Study Title		PROTOCOL	Progress Reports 1	2	3	6. Use Pattern	7. Test Substance	8. Time Frame (Months)	9. Registrant Response
830.7220	Boiling point/boiling range	(30 ,31)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI	8	
830.7300	Density/relative density	(32 ,33)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
830.7370	Dissociation constant in water	(34 ,35)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/PAI	8	
830.7550	Partition coefficient (n-octanol/water), shake flask method	(36)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/PAI	8	
830.7570	Partition coefficient (n-octanol/water), estimation by liquid chromatography	(4 ,37)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/PAI	8	
830.7840	Water solubility: Column elution method, shake flask method	(38)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI or PAI	8	
830.7860	Water solubility, generator column method	(39)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI or PAI	8	
830.7950	Vapor pressure	(40 ,41)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI or PAI	8	
	Toxicology Data Requirements (Conventional Chemical)									
870.1100	Acute Oral Toxicity	(42)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
870.1200	Acute dermal toxicity	(43 ,44)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
870.1300	Acute inhalation toxicity	(45)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	

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REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form. Use additional sheet(s) if necessary.

1. Company Name and Address	2. Case # and Name	3. Date and Type of DCI and Number
SAMPLE COMPANY NO STREET ADDRESS NO CITY, XX 00000	0379 Napthaleneacetic Acid EPA Reg. No. NNNNNN-NNNNN	DD-MMM-YYYY PRODUCT SPECIFIC ID # PDCI-056004-NNNN

4. Guideline Requirement Number	5. Study Title		PROTOCOL	Progress Reports 1	2	3	6. Use Pattern	7. Test Substance	8. Time Frame (Months)	9. Registrant Response
870.2400	Acute eye irritation	(46)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
870.2500	Acute dermal irritation	(47 ,48)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
870.2600	Skin sensitization	(49 ,50)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	

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Date

United States Environmental Protection
Agency Washington, D.C. 20460

FOOTNOTES AND KEY DEFINITIONS FOR GUIDELINE REQUIREMENTS

Case # and Name: 0379 Napthaleneacetic Acid

DCI Number: PDCI-056004-NNNN

Key: MP/EP = Manufacturing-Use Product, Pure Active Ingredient; TGAI = Technical Grade Active Ingredient [TGAI]; TGAI or PAI = Technical Grade of the Active Ingredient or Pure Active Ingredient; TGAI/MP/EP = Manufacturing-Use Product, Pure Active Ingredient and Technical Grade Active Ingredient; TGAI/PAI = Technical Grade Active Ingredient, Pure Active Ingredient

Use Categories Key:

A -	Terrestrial food crop	D -	Aquatic food crop	G -	Aquatic non-food residential	J -	Forestry use	M -	Indoor nonfood use
B -	Terrestrial feed crop	E -	Aquatic nonfood outdoor use	H -	Greenhouse food crop	K -	Residential	N -	Indoor medical use
C -	Terrestrial nonfood crop	F -	Aquatic nonfood industrial use	I -	Greenhouse nonfood crop	L -	Indoor food use	O -	Residential Indoor use

Footnotes: **[The following notes are referenced in column two (5. Study File) of the REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE form.]**

1 Data must be provided in accordance with the "Description of Production Process" Section.(158.162)

2 Data must be provided in accordance with the "Description of Formulation Process" Section.(158.165)

3 Data must be provided in accordance with the "Description of Formation of Impurities" Section(158.167)

4 Required if the TGAI or PAI is organic and non-polar.

5 Data must be provided in accordance with the "Product Composition" Section.(158.155)

6 Data must be provided in accordance with the "Description of Materials used to Produce the Product" Section.(158.160)

7 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

8 Required for TGAIs and products produced by an integrated system.

9 Data must be provided in accordance with the "Preliminary Analysis" Section.(158.170)

10 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

11 Data must be provided in accordance with the "Certified Limits" Section(158.175)

12 Data must be provided in accordance with the "Enforcement Analytical Method" Section.(158.180)

13 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

14 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

United States Environmental Protection
Agency Washington, D.C. 20460

FOOTNOTES AND KEY DEFINITIONS FOR GUIDELINE REQUIREMENTS

Case # and Name: 0379 Napthaleneacetic Acid

DCI Number: PDCI-056004-NNNN

Key: MP/EP = Manufacturing-Use Product, Pure Active Ingredient; TGAI = Technical Grade Active Ingredient [TGAI]; TGAI or PAI = Technical Grade of the Active Ingredient or Pure Active Ingredient; TGAI/MP/EP = Manufacturing-Use Product, Pure Active Ingredient and Technical Grade Active Ingredient; TGAI/PAI = Technical Grade Active Ingredient, Pure Active Ingredient

Use Categories Key:

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C -	Terrestrial nonfood crop	F -	Aquatic nonfood industrial use	I -	Greenhouse nonfood crop	L -	Indoor food use	O -	Residential Indoor use

Footnotes: [The following notes are referenced in column two (5. Study File) of the REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE form.]

15 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

16 Data on the stability to metals and metal ions is required only if the active ingredient is expected to come in contact with either material during storage.

17 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

18 Required if the product contains an oxidizing or reducing agent

19 Required when the product contains combustible liquids.

20 Required when the product is potentially explosive.

21 Please see attached "Additional Information and Requirements Pertaining to Storage Stability (OPPTS 830.6317) and Corrosion Characteristics (OPPTS 830.6320) Data Requirements of the Product Specific Data Call-Ins issued under the Reregistration Eligibility Decision (RED)/Interim Reregistration Eligibility Decision (IRED) Documents."

22 Required if the product is an emulsifiable liquid and is to be diluted with petroleum solvents.

23 Please see attached "Additional Information and Requirements Pertaining to Storage Stability (OPPTS 830.6317) and Corrosion Characteristics (OPPTS 830.6320) Data Requirements of the Product Specific Data Call-Ins issued under the Reregistration Eligibility Decision (RED)/Interim Reregistration Eligibility Decision (IRED) Documents."

24 Required if the end-use product is a liquid and is to be used around electrical equipment.

25 Required if the product is dispersible with water.

26 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

27 Required if the product is a liquid.

28 Required when the TGAI is solid at room temperature.

United States Environmental Protection
Agency Washington, D.C. 20460

FOOTNOTES AND KEY DEFINITIONS FOR GUIDELINE REQUIREMENTS

Case # and Name: 0379 Napthaleneacetic Acid

DCI Number: PDCI-056004-NNNN

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Footnotes: [The following notes are referenced in column two (5. Study File) of the REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE form.]

29 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

30 Required if the TGAI is liquid at room temperature.

31 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

32 True density or specific density are required for all test substances. Data on bulk density is required for MPs that are solid at room temperature.

33 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

34 Required when the test substance contains an acid or base functionality (organic or inorganic) or an alcoholic functionality (organic).

35 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

36 Required if the TGAI or PAI is organic and non-polar.

37 Required if the TGAI or PAI is organic and non-polar.

38 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

39 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

40 Not required for salts.

41 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

42 Not required if test material is a gas or a highly volatile liquid.

United States Environmental Protection
Agency Washington, D.C. 20460

FOOTNOTES AND KEY DEFINITIONS FOR GUIDELINE REQUIREMENTS

Case # and Name: 0379 Napthaleneacetic Acid

DCI Number: PDCI-056004-NNNN

Key: MP/EP = Manufacturing-Use Product, Pure Active Ingredient; TGAI = Technical Grade Active Ingredient [TGAI]; TGAI or PAI = Technical Grade of the Active Ingredient or Pure Active Ingredient; TGAI/MP/EP = Manufacturing-Use Product, Pure Active Ingredient and Technical Grade Active Ingredient; TGAI/PAI = Technical Grade Active Ingredient, Pure Active Ingredient

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Footnotes: **[The following notes are referenced in column two (5. Study File) of the REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE form.]**

43 Not required if test material is corrosive to skin or has a pH of less than 2 or greater than 11.5.

44 Not required if test material is a gas or a highly volatile liquid.

45 Required if the product consists of, or under conditions of use will result in, a respirable material (e.g., gas, vapor, aerosol, or particulate).

46 Not required if test material is corrosive to skin or has a pH of less than 2 or greater than 11.5.

47 Not required if test material is corrosive to skin or has a pH of less than 2 or greater than 11.5.

48 Not required if test material is a gas or a highly volatile liquid.

49 Required if repeated dermal exposure is likely to occur under conditions of use.

50 Not required if test material is corrosive to skin or has a pH of less than 2 or greater than 11.5.

United States Environmental Protection Agency Washington, D.C. 20460

DATA CALL-IN RESPONSE

OMB Approval 2070-0107
OMB Approval 2070-0057

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form. Use additional sheet(s) if necessary.

1. Company Name and Address	2. Case # and Name	3. Date and Type of DCI and Number
SAMPLE COMPANY NO STREET ADDRESS NO CITY, XX 00000	0379 Napthaleneacetic Acid Chemical # and Name 056007 Sodium 1-naphthaleneacetate	DD-MMM-YYYY PRODUCT SPECIFIC ID # PDCI-056007-NNNN

4. EPA Product Registration	5. I wish to cancel this product registration voluntarily	6. Generic Data		7. Product Specific Data	
		6a. I am claiming a Generic Data Exemption because I obtain the active ingredient from the source EPA registration number listed below.	6b. I agree to satisfy Generic Data requirements as indicated on the attached form entitled "Requirements Status and Registrant's Response."	7a. My product is an MUP and I agree to satisfy the MUP requirements on the attached form entitled "Requirements Status and Registrant's Response."	7b. My product is an EUP and I agree to satisfy the EUP requirements on the attached form entitled "Requirements Status and Registrant's Response."
NNNNNN-NNNNN		N.A.	N.A.		

8. Certification I certify that the statements made on this form and all attachments are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine, imprisonment or both under applicable law.

Signature and Title of Company's Authorized Representative_____

9. Date

10. Name of Company

11. Phone Number

United States Environmental Protection
Agency Washington, D.C. 20460

REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE

OMB Approval 2070-0107
OMB Approval 2070-0057

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form. Use additional sheet(s) if necessary.

1. Company Name and Address	2. Case # and Name	3. Date and Type of DCI and Number
SAMPLE COMPANY NO STREET ADDRESS NO CITY, XX 00000	0379 Napthaleneacetic Acid EPA Reg. No. NNNNNN-NNNNN	DD-MMM-YYYY PRODUCT SPECIFIC ID # PDCI-056007-NNNN

4. Guideline Requirement Number	5. Study Title		PROTOCOL	Progress Reports 1	2	3	6. Use Pattern	7. Test Substance	8. Time Frame (Months)	9. Registrant Response
	Product Chemistry Data Requirements (Conventional Chemical)									
830.1550	Product Identity and composition	(5)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
830.1600	Description of materials used to produce the product	(6)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
830.1620	Description of production process	(1)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI	8	
830.1650	Description of formulation process	(2)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.1670	Discussion of formation of impurities	(3)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
830.1700	Preliminary analysis	(7 ,8 ,9)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI	8	
830.1750	Certified limits	(10 ,11)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
830.1800	Enforcement analytical method	(12)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
830.6302	Color	(13)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
830.6303	Physical state	(14)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
830.6304	Odor	(15)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	

10. Certification I certify that the statements made on this form and all attachments are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine, imprisonment or both under applicable law

Signature and Title of Company's Authorized Representative_____

11. Date

12. Name of Company

13. Phone Number

United States Environmental Protection
Agency Washington, D.C. 20460

OMB Approval 2070-0107
OMB Approval 2070-0057

REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form. Use additional sheet(s) if necessary.

1. Company Name and Address	2. Case # and Name	3. Date and Type of DCI and Number
SAMPLE COMPANY NO STREET ADDRESS NO CITY, XX 00000	0379 Napthaleneacetic Acid EPA Reg. No. NNNNNN-NNNNN	DD-MMM-YYYY PRODUCT SPECIFIC ID # PDCI-056007-NNNN

4. Guideline Requirement Number	5. Study Title		PROTOCOL	Progress Reports 1	2	3	6. Use Pattern	7. Test Substance	8. Time Frame (Months)	9. Registrant Response
830.6313	Stability to sunlight, normal and elevated temperatures, metals, and metal ions	(16 ,17)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI	8	
830.6314	Oxidizing or reducing action	(18)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.6315	Flammability	(19)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.6316	Explodability	(20)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.6317	Storage stability of product	(21)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.6319	Miscibility	(22)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.6320	Corrosion characteristics	(23)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.6321	Dielectric breakdown voltage	(24)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.7000	pH of water solutions or suspensions	(25 ,26)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
830.7050	UV/Visible absorption						A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/PAI	8	
830.7100	Viscosity	(27)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.7200	Melting point/melting range	(28 ,29)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI	8	

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REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form. Use additional sheet(s) if necessary.

1. Company Name and Address	2. Case # and Name	3. Date and Type of DCI and Number
SAMPLE COMPANY NO STREET ADDRESS NO CITY, XX 00000	0379 Napthaleneacetic Acid EPA Reg. No. NNNNNN-NNNNN	DD-MMM-YYYY PRODUCT SPECIFIC ID # PDCI-056007-NNNN

4. Guideline Requirement Number	5. Study Title		PROTOCOL	Progress Reports 1	2	3	6. Use Pattern	7. Test Substance	8. Time Frame (Months)	9. Registrant Response
830.7220	Boiling point/boiling range	(30 ,31)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI	8	
830.7300	Density/relative density	(32 ,33)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
830.7370	Dissociation constant in water	(34 ,35)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/PAI	8	
830.7550	Partition coefficient (n-octanol/water), shake flask method	(36)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/PAI	8	
830.7570	Partition coefficient (n-octanol/water), estimation by liquid chromatography	(4 ,37)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/PAI	8	
830.7840	Water solubility: Column elution method, shake flask method	(38)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI or PAI	8	
830.7860	Water solubility, generator column method	(39)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI or PAI	8	
830.7950	Vapor pressure	(40 ,41)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI or PAI	8	
	Toxicology Data Requirements (Conventional Chemical)									
870.1100	Acute Oral Toxicity	(42)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
870.1200	Acute dermal toxicity	(43 ,44)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
870.1300	Acute inhalation toxicity	(45)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	

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REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form. Use additional sheet(s) if necessary.

1. Company Name and Address	2. Case # and Name	3. Date and Type of DCI and Number
SAMPLE COMPANY NO STREET ADDRESS NO CITY, XX 00000	0379 Napthaleneacetic Acid EPA Reg. No. NNNNNN-NNNNN	DD-MMM-YYYY PRODUCT SPECIFIC ID # PDCI-056007-NNNN

4. Guideline Requirement Number	5. Study Title		PROTOCOL	Progress Reports 1	2	3	6. Use Pattern	7. Test Substance	8. Time Frame (Months)	9. Registrant Response
870.2400	Acute eye irritation	(46)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
870.2500	Acute dermal irritation	(47 ,48)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
870.2600	Skin sensitization	(49 ,50)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	

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Date

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Agency Washington, D.C. 20460

FOOTNOTES AND KEY DEFINITIONS FOR GUIDELINE REQUIREMENTS

Case # and Name: 0379 Napthaleneacetic Acid

DCI Number: PDCI-056007-NNNN

Key: MP/EP = Manufacturing-Use Product, Pure Active Ingredient; TGAI = Technical Grade Active Ingredient [TGAI]; TGAI or PAI = Technical Grade of the Active Ingredient or Pure Active Ingredient; TGAI/MP/EP = Manufacturing-Use Product, Pure Active Ingredient and Technical Grade Active Ingredient; TGAI/PAI = Technical Grade Active Ingredient, Pure Active Ingredient

Use Categories Key:

A -	Terrestrial food crop	D -	Aquatic food crop	G -	Aquatic non-food residential	J -	Forestry use	M -	Indoor nonfood use
B -	Terrestrial feed crop	E -	Aquatic nonfood outdoor use	H -	Greenhouse food crop	K -	Residential	N -	Indoor medical use
C -	Terrestrial nonfood crop	F -	Aquatic nonfood industrial use	I -	Greenhouse nonfood crop	L -	Indoor food use	O -	Residential Indoor use

Footnotes: [The following notes are referenced in column two (5. Study File) of the REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE form.]

1 Data must be provided in accordance with the "Description of Production Process" Section.(158.162)

2 Data must be provided in accordance with the "Description of Formulation Process" Section.(158.165)

3 Data must be provided in accordance with the "Description of Formation of Impurities" Section(158.167)

4 Required if the TGAI or PAI is organic and non-polar.

5 Data must be provided in accordance with the "Product Composition" Section.(158.155)

6 Data must be provided in accordance with the "Description of Materials used to Produce the Product" Section.(158.160)

7 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

8 Required for TGAIs and products produced by an integrated system.

9 Data must be provided in accordance with the "Preliminary Analysis" Section.(158.170)

10 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

11 Data must be provided in accordance with the "Certified Limits" Section(158.175)

12 Data must be provided in accordance with the "Enforcement Analytical Method" Section.(158.180)

13 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

14 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

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FOOTNOTES AND KEY DEFINITIONS FOR GUIDELINE REQUIREMENTS

Case # and Name: 0379 Napthaleneacetic Acid

DCI Number: PDCI-056007-NNNN

Key: MP/EP = Manufacturing-Use Product, Pure Active Ingredient; TGAI = Technical Grade Active Ingredient [TGAI]; TGAI or PAI = Technical Grade of the Active Ingredient or Pure Active Ingredient; TGAI/MP/EP = Manufacturing-Use Product, Pure Active Ingredient and Technical Grade Active Ingredient; TGAI/PAI = Technical Grade Active Ingredient, Pure Active Ingredient

Use Categories Key:

A -	Terrestrial food crop	D -	Aquatic food crop	G -	Aquatic non-food residential	J -	Forestry use	M -	Indoor nonfood use
B -	Terrestrial feed crop	E -	Aquatic nonfood outdoor use	H -	Greenhouse food crop	K -	Residential	N -	Indoor medical use
C -	Terrestrial nonfood crop	F -	Aquatic nonfood industrial use	I -	Greenhouse nonfood crop	L -	Indoor food use	O -	Residential Indoor use

Footnotes: **[The following notes are referenced in column two (5. Study File) of the REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE form.]**

15 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

16 Data on the stability to metals and metal ions is required only if the active ingredient is expected to come in contact with either material during storage.

17 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

18 Required if the product contains an oxidizing or reducing agent

19 Required when the product contains combustible liquids.

20 Required when the product is potentially explosive.

21 Please see attached "Additional Information and Requirements Pertaining to Storage Stability (OPPTS 830.6317) and Corrosion Characteristics (OPPTS 830.6320) Data Requirements of the Product Specific Data Call-Ins issued under the Reregistration Eligibility Decision (RED)/Interim Reregistration Eligibility Decision (IRED) Documents."

22 Required if the product is an emulsifiable liquid and is to be diluted with petroleum solvents.

23 Please see attached "Additional Information and Requirements Pertaining to Storage Stability (OPPTS 830.6317) and Corrosion Characteristics (OPPTS 830.6320) Data Requirements of the Product Specific Data Call-Ins issued under the Reregistration Eligibility Decision (RED)/Interim Reregistration Eligibility Decision (IRED) Documents."

24 Required if the end-use product is a liquid and is to be used around electrical equipment.

25 Required if the product is dispersible with water.

26 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

27 Required if the product is a liquid.

28 Required when the TGAI is solid at room temperature.

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Agency Washington, D.C. 20460

FOOTNOTES AND KEY DEFINITIONS FOR GUIDELINE REQUIREMENTS

Case # and Name: 0379 Napthaleneacetic Acid

DCI Number: PDCI-056007-NNNN

Key: MP/EP = Manufacturing-Use Product, Pure Active Ingredient; TGAI = Technical Grade Active Ingredient [TGAI]; TGAI or PAI = Technical Grade of the Active Ingredient or Pure Active Ingredient; TGAI/MP/EP = Manufacturing-Use Product, Pure Active Ingredient and Technical Grade Active Ingredient; TGAI/PAI = Technical Grade Active Ingredient, Pure Active Ingredient

Use Categories Key:

A -	Terrestrial food crop	D -	Aquatic food crop	G -	Aquatic non-food residential	J -	Forestry use	M -	Indoor nonfood use
B -	Terrestrial feed crop	E -	Aquatic nonfood outdoor use	H -	Greenhouse food crop	K -	Residential	N -	Indoor medical use
C -	Terrestrial nonfood crop	F -	Aquatic nonfood industrial use	I -	Greenhouse nonfood crop	L -	Indoor food use	O -	Residential Indoor use

Footnotes: [The following notes are referenced in column two (5. Study File) of the REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE form.]

29 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

30 Required if the TGAI is liquid at room temperature.

31 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

32 True density or specific density are required for all test substances. Data on bulk density is required for MPs that are solid at room temperature.

33 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

34 Required when the test substance contains an acid or base functionality (organic or inorganic) or an alcoholic functionality (organic).

35 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

36 Required if the TGAI or PAI is organic and non-polar.

37 Required if the TGAI or PAI is organic and non-polar.

38 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

39 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

40 Not required for salts.

41 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

42 Not required if test material is a gas or a highly volatile liquid.

United States Environmental Protection
Agency Washington, D.C. 20460

FOOTNOTES AND KEY DEFINITIONS FOR GUIDELINE REQUIREMENTS

Case # and Name: 0379 Napthaleneacetic Acid

DCI Number: PDCI-056007-NNNN

Key: MP/EP = Manufacturing-Use Product, Pure Active Ingredient; TGAI = Technical Grade Active Ingredient [TGAI]; TGAI or PAI = Technical Grade of the Active Ingredient or Pure Active Ingredient; TGAI/MP/EP = Manufacturing-Use Product, Pure Active Ingredient and Technical Grade Active Ingredient; TGAI/PAI = Technical Grade Active Ingredient, Pure Active Ingredient

Use Categories Key:

A -	Terrestrial food crop	D -	Aquatic food crop	G -	Aquatic non-food residential	J -	Forestry use	M -	Indoor nonfood use
B -	Terrestrial feed crop	E -	Aquatic nonfood outdoor use	H -	Greenhouse food crop	K -	Residential	N -	Indoor medical use
C -	Terrestrial nonfood crop	F -	Aquatic nonfood industrial use	I -	Greenhouse nonfood crop	L -	Indoor food use	O -	Residential Indoor use

Footnotes: **[The following notes are referenced in column two (5. Study File) of the REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE form.]**

43 Not required if test material is corrosive to skin or has a pH of less than 2 or greater than 11.5.

44 Not required if test material is a gas or a highly volatile liquid.

45 Required if the product consists of, or under conditions of use will result in, a respirable material (e.g., gas, vapor, aerosol, or particulate).

46 Not required if test material is corrosive to skin or has a pH of less than 2 or greater than 11.5.

47 Not required if test material is corrosive to skin or has a pH of less than 2 or greater than 11.5.

48 Not required if test material is a gas or a highly volatile liquid.

49 Required if repeated dermal exposure is likely to occur under conditions of use.

50 Not required if test material is corrosive to skin or has a pH of less than 2 or greater than 11.5.

United States Environmental Protection
Agency Washington, D.C. 20460

DATA CALL-IN RESPONSE

OMB Approval 2070-0107
OMB Approval 2070-0057

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form. Use additional sheet(s) if necessary.

1. Company Name and Address	2. Case # and Name	3. Date and Type of DCI and Number
SAMPLE COMPANY NO STREET ADDRESS NO CITY, XX 00000	0379 Napthaleneacetic Acid Chemical # and Name 056008 Ethyl 1-naphthaleneacetate	DD-MMM-YYYY PRODUCT SPECIFIC ID # PDCI-056008-NNNN

4. EPA Product Registration	5. I wish to cancel this product registration voluntarily	6. Generic Data		7. Product Specific Data	
		6a. I am claiming a Generic Data Exemption because I obtain the active ingredient from the source EPA registration number listed below.	6b. I agree to satisfy Generic Data requirements as indicated on the attached form entitled "Requirements Status and Registrant's Response."	7a. My product is an MUP and I agree to satisfy the MUP requirements on the attached form entitled "Requirements Status and Registrant's Response."	7b. My product is an EUP and I agree to satisfy the EUP requirements on the attached form entitled "Requirements Status and Registrant's Response."
NNNNNN-NNNNN		N.A.	N.A.		

8. Certification I certify that the statements made on this form and all attachments are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine, imprisonment or both under applicable law.

Signature and Title of Company's Authorized Representative_____

9. Date

10. Name of Company

11. Phone Number

United States Environmental Protection
Agency Washington, D.C. 20460

REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE

OMB Approval 2070-0107
OMB Approval 2070-0057

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form. Use additional sheet(s) if necessary.

1. Company Name and Address	2. Case # and Name	3. Date and Type of DCI and Number
SAMPLE COMPANY NO STREET ADDRESS NO CITY, XX 00000	0379 Napthaleneacetic Acid EPA Reg. No. NNNNNN-NNNNN	DD-MMM-YYYY PRODUCT SPECIFIC ID # PDCI-056008-NNNN

4. Guideline Requirement Number	5. Study Title	PROTOCOL	Progress Reports 1	2	3	6. Use Pattern	7. Test Substance	8. Time Frame (Months)	9. Registrant Response
	Product Chemistry Data Requirements (Conventional Chemical)								
830.1550	Product Identity and composition (4)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
830.1600	Description of materials used to produce the product (5)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
830.1620	Description of production process (1)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI	8	
830.1650	Description of formulation process (2)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.1670	Discussion of formation of impurities (3)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
830.1700	Preliminary analysis (6 ,7 ,8)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI	8	
830.1750	Certified limits (9 ,10)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
830.1800	Enforcement analytical method (11)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
830.6302	Color (12)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
830.6303	Physical state (13)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
830.6304	Odor (14)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	

10. Certification I certify that the statements made on this form and all attachments are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine, imprisonment or both under applicable law

Signature and Title of Company's Authorized Representative_____

11. Date

12. Name of Company

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REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form. Use additional sheet(s) if necessary.

1. Company Name and Address	2. Case # and Name	3. Date and Type of DCI and Number
SAMPLE COMPANY NO STREET ADDRESS NO CITY, XX 00000	0379 Napthaleneacetic Acid EPA Reg. No. NNNNNN-NNNNN	DD-MMM-YYYY PRODUCT SPECIFIC ID # PDCI-056008-NNNN

4. Guideline Requirement Number	5. Study Title		PROTOCOL	Progress Reports 1	2	3	6. Use Pattern	7. Test Substance	8. Time Frame (Months)	9. Registrant Response
830.6313	Stability to sunlight, normal and elevated temperatures, metals, and metal ions	(15 ,16)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI	8	
830.6314	Oxidizing or reducing action	(17)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.6315	Flammability	(18)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.6316	Explodability	(19)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.6317	Storage stability of product	(20)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.6319	Miscibility	(21)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.6320	Corrosion characteristics	(22)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.6321	Dielectric breakdown voltage	(23)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.7000	pH of water solutions or suspensions	(24 ,25)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
830.7050	UV/Visible absorption						A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/PAI	8	
830.7100	Viscosity	(26)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	MP/EP	8	
830.7200	Melting point/melting range	(27 ,28)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI	8	

Initial to indicate certification as to information on this page (full text of certification is on page one).

Date

United States Environmental Protection
Agency Washington, D.C. 20460

OMB Approval 2070-0107
OMB Approval 2070-0057

REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form. Use additional sheet(s) if necessary.

1. Company Name and Address	2. Case # and Name	3. Date and Type of DCI and Number
SAMPLE COMPANY NO STREET ADDRESS NO CITY, XX 00000	0379 Napthaleneacetic Acid EPA Reg. No. NNNNNN-NNNNN	DD-MMM-YYYY PRODUCT SPECIFIC ID # PDCI-056008-NNNN

4. Guideline Requirement Number	5. Study Title	PROTOCOL	Progress Reports 1	2	3	6. Use Pattern	7. Test Substance	8. Time Frame (Months)	9. Registrant Response
830.7220	Boiling point/boiling range (29 ,30)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI	8	
830.7300	Density/relative density (31 ,32)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
830.7370	Dissociation constant in water (33 ,34)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/PAI	8	
830.7550	Partition coefficient (n-octanol/water), shake flask method (35)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/PAI	8	
830.7840	Water solubility: Column elution method, shake flask method (36)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI or PAI	8	
830.7860	Water solubility, generator column method (37)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI or PAI	8	
830.7950	Vapor pressure (38 ,39)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI or PAI	8	
	Toxicology Data Requirements (Conventional Chemical)								
870.1100	Acute Oral Toxicity (40)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
870.1200	Acute dermal toxicity (41 ,42)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
870.1300	Acute inhalation toxicity (43)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
870.2400	Acute eye irritation (44)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	

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Date

United States Environmental Protection
Agency Washington, D.C. 20460

REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE

OMB Approval 2070-0107
OMB Approval 2070-0057

INSTRUCTIONS: Please type or print in ink. Please read carefully the attached instructions and supply the information requested on this form. Use additional sheet(s) if necessary.

1. Company Name and Address	2. Case # and Name	3. Date and Type of DCI and Number
SAMPLE COMPANY NO STREET ADDRESS NO CITY, XX 00000	0379 Napthaleneacetic Acid EPA Reg. No. NNNNNN-NNNNN	DD-MMM-YYYY PRODUCT SPECIFIC ID # PDCI-056008-NNNN

4. Guideline Requirement Number	5. Study Title	PROTOCOL	Progress Reports 1	2	3	6. Use Pattern	7. Test Substance	8. Time Frame (Months)	9. Registrant Response
870.2500	Acute dermal irritation (45 ,46)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	
870.2600	Skin sensitization (47 ,48)					A, B, C, D, E, F, G, H, I, J, K, L, M, N, O	TGAI/MP/EP	8	

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Date

United States Environmental Protection
Agency Washington, D.C. 20460

FOOTNOTES AND KEY DEFINITIONS FOR GUIDELINE REQUIREMENTS

Case # and Name: 0379 Napthaleneacetic Acid

DCI Number: PDCI-056008-NNNN

Key: MP/EP = Manufacturing-Use Product, Pure Active Ingredient; TGAI = Technical Grade Active Ingredient [TGAI]; TGAI or PAI = Technical Grade of the Active Ingredient or Pure Active Ingredient; TGAI/MP/EP = Manufacturing-Use Product, Pure Active Ingredient and Technical Grade Active Ingredient; TGAI/PAI = Technical Grade Active Ingredient, Pure Active Ingredient

Use Categories Key:

A -	Terrestrial food crop	D -	Aquatic food crop	G -	Aquatic non-food residential	J -	Forestry use	M -	Indoor nonfood use
B -	Terrestrial feed crop	E -	Aquatic nonfood outdoor use	H -	Greenhouse food crop	K -	Residential	N -	Indoor medical use
C -	Terrestrial nonfood crop	F -	Aquatic nonfood industrial use	I -	Greenhouse nonfood crop	L -	Indoor food use	O -	Residential Indoor use

Footnotes: [The following notes are referenced in column two (5. Study File) of the REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE form.]

1 Data must be provided in accordance with the "Description of Production Process" Section.(158.162)

2 Data must be provided in accordance with the "Description of Formulation Process" Section.(158.165)

3 Data must be provided in accordance with the "Description of Formation of Impurities" Section(158.167)

4 Data must be provided in accordance with the "Product Composition" Section.(158.155)

5 Data must be provided in accordance with the "Description of Materials used to Produce the Product" Section.(158.160)

6 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

7 Required for TGAIs and products produced by an integrated system.

8 Data must be provided in accordance with the "Preliminary Analysis" Section.(158.170)

9 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

10 Data must be provided in accordance with the "Certified Limits" Section(158.175)

11 Data must be provided in accordance with the "Enforcement Analytical Method" Section.(158.180)

12 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

13 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

14 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

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FOOTNOTES AND KEY DEFINITIONS FOR GUIDELINE REQUIREMENTS

Case # and Name: 0379 Napthaleneacetic Acid

DCI Number: PDCI-056008-NNNN

Key: MP/EP = Manufacturing-Use Product, Pure Active Ingredient; TGAI = Technical Grade Active Ingredient [TGAI]; TGAI or PAI = Technical Grade of the Active Ingredient or Pure Active Ingredient; TGAI/MP/EP = Manufacturing-Use Product, Pure Active Ingredient and Technical Grade Active Ingredient; TGAI/PAI = Technical Grade Active Ingredient, Pure Active Ingredient

Use Categories Key:

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B -	Terrestrial feed crop	E -	Aquatic nonfood outdoor use	H -	Greenhouse food crop	K -	Residential	N -	Indoor medical use
C -	Terrestrial nonfood crop	F -	Aquatic nonfood industrial use	I -	Greenhouse nonfood crop	L -	Indoor food use	O -	Residential Indoor use

Footnotes: [The following notes are referenced in column two (5. Study File) of the REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE form.]

15 Data on the stability to metals and metal ions is required only if the active ingredient is expected to come in contact with either material during storage.

16 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

17 Required if the product contains an oxidizing or reducing agent

18 Required when the product contains combustible liquids.

19 Required when the product is potentially explosive.

20 Please see attached "Additional Information and Requirements Pertaining to Storage Stability (OPPTS 830.6317) and Corrosion Characteristics (OPPTS 830.6320) Data Requirements of the Product Specific Data Call-Ins issued under the Reregistration Eligibility Decision (RED)/Interim Reregistration Eligibility Decision (IRED) Documents."

21 Required if the product is an emulsifiable liquid and is to be diluted with petroleum solvents.

22 Please see attached "Additional Information and Requirements Pertaining to Storage Stability (OPPTS 830.6317) and Corrosion Characteristics (OPPTS 830.6320) Data Requirements of the Product Specific Data Call-Ins issued under the Reregistration Eligibility Decision (RED)/Interim Reregistration Eligibility Decision (IRED) Documents."

23 Required if the end-use product is a liquid and is to be used around electrical equipment.

24 Required if the product is dispersible with water.

25 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

26 Required if the product is a liquid.

27 Required when the TGAI is solid at room temperature.

28 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

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FOOTNOTES AND KEY DEFINITIONS FOR GUIDELINE REQUIREMENTS

Case # and Name: 0379 Napthaleneacetic Acid

DCI Number: PDCI-056008-NNNN

Key: MP/EP = Manufacturing-Use Product, Pure Active Ingredient; TGAI = Technical Grade Active Ingredient [TGAI]; TGAI or PAI = Technical Grade of the Active Ingredient or Pure Active Ingredient; TGAI/MP/EP = Manufacturing-Use Product, Pure Active Ingredient and Technical Grade Active Ingredient; TGAI/PAI = Technical Grade Active Ingredient, Pure Active Ingredient

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C -	Terrestrial nonfood crop	F -	Aquatic nonfood industrial use	I -	Greenhouse nonfood crop	L -	Indoor food use	O -	Residential Indoor use

Footnotes: [The following notes are referenced in column two (5. Study File) of the REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE form.]

29 Required if the TGAI is liquid at room temperature.

30 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

31 True density or specific density are required for all test substances. Data on bulk density is required for MPs that are solid at room temperature.

32 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

33 Required when the test substance contains an acid or base functionality (organic or inorganic) or an alcoholic functionality (organic).

34 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

35 Required if the TGAI or PAI is organic and non-polar.

36 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

37 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

38 Not required for salts.

39 If the TGAI cannot be isolated, data are required on the practical equivalent of the TGAI (i.e., if the active ingredient is either an acid, base or ionic form, and it is formulated into salts or esters, the concentration of the active ingredient in these products must be expressed in acid equivalent or active equivalent).

40 Not required if test material is a gas or a highly volatile liquid.

41 Not required if test material is corrosive to skin or has a pH of less than 2 or greater than 11.5.

42 Not required if test material is a gas or a highly volatile liquid.

United States Environmental Protection
Agency Washington, D.C. 20460

FOOTNOTES AND KEY DEFINITIONS FOR GUIDELINE REQUIREMENTS

Case # and Name: 0379 Napthaleneacetic Acid

DCI Number: PDCI-056008-NNNN

Key: MP/EP = Manufacturing-Use Product, Pure Active Ingredient; TGAI = Technical Grade Active Ingredient [TGAI]; TGAI or PAI = Technical Grade of the Active Ingredient or Pure Active Ingredient; TGAI/MP/EP = Manufacturing-Use Product, Pure Active Ingredient and Technical Grade Active Ingredient; TGAI/PAI = Technical Grade Active Ingredient, Pure Active Ingredient

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C -	Terrestrial nonfood crop	F -	Aquatic nonfood industrial use	I -	Greenhouse nonfood crop	L -	Indoor food use	O -	Residential Indoor use

Footnotes: [The following notes are referenced in column two (5. Study File) of the REQUIREMENTS STATUS AND REGISTRANT'S RESPONSE form.]

43 Required if the product consists of, or under conditions of use will result in, a respirable material (e.g., gas, vapor, aerosol, or particulate).

44 Not required if test material is corrosive to skin or has a pH of less than 2 or greater than 11.5.

45 Not required if test material is corrosive to skin or has a pH of less than 2 or greater than 11.5.

46 Not required if test material is a gas or a highly volatile liquid.

47 Required if repeated dermal exposure is likely to occur under conditions of use.

48 Not required if test material is corrosive to skin or has a pH of less than 2 or greater than 11.5.

APPENDIX G – LIST OF REGISTRANTS TO RECEIVE DATA CALL-IN NOTICES

United States Environmental Protection
Agency Washington, D.C. 20460

LIST OF ALL REGISTRANTS SENT THIS DATA CALL-IN NOTICE

Case # and Name: 0379,Napthaleneacetic Acid 056001 1-Naphthaleneacetamide

Co. Nr.	Company Name	Agent For	Address	City & State	Zip
264	BAYER CROPSCIENCE LP		2 T.W. ALEXANDER DRIVE	RESEARCH TRIANGLE PARK	NC 27709
5481	AMVAC CHEMICAL CORPORATION		4695 MACARTHUR COURT, SUITE 1250	NEWPORT BEACH	CA 926601706

United States Environmental Protection
Agency Washington, D.C. 20460

LIST OF ALL REGISTRANTS SENT THIS DATA CALL-IN NOTICE

Case # and Name: 0379,Napthaleneacetic Acid 056002 1-Naphtaleneacetic acid

Co. Nr.	Company Name	Agent For	Address	City & State	Zip
5481	AMVAC CHEMICAL CORPORATION		4695 MACARTHUR COURT, SUITE 1250	NEWPORT BEACH	CA 926601706
5887	VALUE GARDENS SUPPLY, LLC		PO Box 585	SAINT JOSEPH	MO 64502
7401	VOLUNTARY PURCHASING GROUPS, INC.		PO Box 460, 230 FM 87	BONHAM	TX 75418
8002	LIQUINOX COMPANY		221 W MEATS AVENUE	ORANGE	CA 92665
43905	EARTH SCIENCE PRODUCTS CORP.		PO Box 327	WILSONVILLE	OR 97070
64388	DIP'N GROW, INC.		PO Box 1888 15140 SE 82ND DRIV, STE 210E	CLACKAMAS	OR 970151888
68719	MARCO INDUSTRIES INCORPORATED		9220 S.E. STARK ST	PORTLAND	OR 97216
72639	LT BIOSYN, INC.	PYXIS REGULATORY CONSULTING, INC.	4110 136TH ST, NW	GIG HARBOR	WA 98332
75851	TECHNAFLORA PLANT PRODUCTS LTD.	KELLER AND HECKMAN LLP	1001 G STREET, NW, SUITE 500 WEST	WASHINGTON	DC 20001
82437	K & W AGRICHEMICALS, INC.	SYNTECH GLOBAL LLC	PO Box 640	HOCKESSIN	DE 197070640

United States Environmental Protection
Agency Washington, D.C. 20460

LIST OF ALL REGISTRANTS SENT THIS DATA CALL-IN NOTICE

Case # and Name: 0379,Napthaleneacetic Acid 055003 1-Naphthaleneacetate

Co. Nr.	Company Name	Agent For	Address	City & State	Zip
5481	AMVAC CHEMICAL CORPORATION		4695 MACARTHUR COURT, SUITE 1250	NEWPORT BEACH	CA 926601706

United States Environmental Protection
Agency Washington, D.C. 20460

LIST OF ALL REGISTRANTS SENT THIS DATA CALL-IN NOTICE

Case # and Name: 0379,Napthaleneacetic Acid 056004 Ammonium 1-Naphthaleneacetate

Co. Nr.	Company Name	Agent For	Address	City & State	Zip
5481	AMVAC CHEMICAL CORPORATION		4695 MACARTHUR COURT, SUITE 1250	NEWPORT BEACH	CA 926601706
34704	LOVELAND PRODUCTS, INC.		PO Box 1286	GREELEY	CO 806321286

United States Environmental Protection
Agency Washington, D.C. 20460

LIST OF ALL REGISTRANTS SENT THIS DATA CALL-IN NOTICE

Case # and Name: 0379,Napthaleneacetic Acid 056007 Sodium 1-Naphthaleneacetate

Co. Nr.	Company Name	Agent For	Address	City & State	Zip
5481	AMVAC CHEMICAL CORPORATION		4695 MACARTHUR COURT, SUITE 1250	NEWPORT BEACH	CA 926601706

United States Environmental Protection
Agency Washington, D.C. 20460

LIST OF ALL REGISTRANTS SENT THIS DATA CALL-IN NOTICE

Case # and Name: 0379,Napthaleneacetic Acid 056005 Ethyl 1-Naphthaleneacetate

Co. Nr.	Company Name	Agent For	Address	City & State	Zip
5481	AMVAC CHEMICAL CORPORATION		4695 MACARTHUR COURT, SUITE 1250	NEWPORT BEACH	CA 926601706
7401	VOLUNTARY PURCHASING GROUPS, INC.		PO Box 460, 230 FM 87	BONHAM	TX 75418

APPENDIX H – PRODUCT BATCHING

EPA's Batching Of Naphthalene Acetate Products For Meeting Acute Toxicity Data Requirements For Reregistration

In an effort to reduce the time, resources and number of animals needed to fulfill the acute toxicity data requirements for reregistration of products containing NAA as the active ingredient, the Agency has batched products which can be considered similar for purposes of acute toxicity. Factors considered in the sorting process include each product's active and inert ingredients (identity, percent composition and biological activity), type of formulation (e.g., emulsifiable concentrate, aerosol, wettable powder, granular, etc.), and labeling (e.g., signal word, use classification, precautionary labeling, etc.). Note that the Agency is not describing batched products as "substantially similar" since some products within a batch may not be considered chemically similar or have identical use patterns.

Using available information, batching has been accomplished by the process described in the preceding paragraph. Not with-standing the batching process, the Agency reserves the right to require, at any time, acute toxicity data for an individual product should the need arise.

Registrants of products within a batch may choose to cooperatively generate, submit or cite a single battery of six acute toxicological studies to represent all the products within that batch. It is the registrants' option to participate in the process with all other registrants, only some of the other registrants, or only their own products within a batch, or to generate all the required acute toxicological studies for each of their own products. If a registrant chooses to generate the data for a batch, he/she must use one of the products within the batch as the test material. If a registrant chooses to rely upon previously submitted acute toxicity data, he/she may do so provided that the data base is complete and valid by today's standards (see acceptance criteria attached), the formulation tested is considered by EPA to be similar for acute toxicity, and the formulation has not been significantly altered since submission and acceptance of the acute toxicity data. Regardless of whether new data is generated or existing data is referenced, registrants must clearly identify the test material by EPA Registration Number. If more than one confidential statement of formula (CSF) exists for a product, the registrant must indicate the formulation actually tested by identifying the corresponding CSF.

In deciding how to meet the product specific data requirements, registrants must follow the directions given in the Data Call-In Notice and its attachments appended to the RED. The DCI Notice contains two response forms which are to be completed and submitted to the Agency within 90 days of receipt. The first form, "Data Call-In Response," asks whether the registrant will meet the data requirements for each product. The second form, "Requirements Status and Registrant's Response," lists the product specific data required for each product, including the standard six acute toxicity tests. A registrant who wishes to participate in a batch must decide whether he/she will provide the data or depend on someone else to do so. If a registrant supplies the data to support a batch of products, he/she must select one of the following options: Developing Data (Option 1), Submitting an Existing Study (Option 4), Upgrading an Existing

APPENDIX H – PRODUCT BATCHING

Study (Option 5) or Citing an Existing Study (Option 6). If a registrant depends on another's data, he/she must choose among: Cost Sharing (Option 2), Offers to Cost Share (Option 3) or Citing an Existing Study (Option 6). If a registrant does not want to participate in a batch, the choices are Options 1, 4, 5 or 6. However, a registrant should know that choosing not to participate in a batch does not preclude other registrants in the batch from citing his/her studies and offering to cost share (Option 3) those studies.

Thirty eight products were found which contain **NAA** as the active ingredient. These products have been placed into 6 sections: **NAD** (PC Code 056001 - contains 4 products placed in a No Batch group); **NAA** (PC Code 056002 - contains 15 products placed in 3 batches and a No Batch group); **Potassium 1-naphthaleneacetate** (PC Code 056003 - contains 5 products placed in 2 batches and a No Batch group); **Ammonium 1-naphthaleneacetate** (PC Code 056004 - contains 4 products placed in 1 batch and a No Batch group); **Sodium 1-naphthaleneacetate** (PC Code 056007 – contains 4 products placed in 2 batches); **Ethyl 1-naphthaleneacetate** (PC Code 056008 – contains 7 products placed in 1 batch and a No Batch group). All were placed in these batches in accordance with the active and inert ingredients and type of formulation. Furthermore, the following bridging strategies are deemed acceptable for this chemical:

Batching Instructions:

PC Code 056002:

Batch 2 - EPA Reg. No. 5887-169 must conduct own eye study.
Batch 3 - EPA Reg. No. 43905-1 may not cite data conducted with EPA Reg. No. 64388-1.

PC Code 056003:

Batch 1 - studies should be conducted with EPA Reg. No. 5481-497.

PC Code 056007:

Batch 2 - studies should be conducted with EPA Reg. No. 5481-541 and both products in batch must conduct own acute inhalation study.

NOTE: The technical acute toxicity values included in this document are for informational purposes only. The data supporting these values may or may not meet the current acceptance criteria.

APPENDIX H – PRODUCT BATCHING

1-Naphthaleneacetamide or NAD (PC Code 056001)

No Batch	EPA Reg. No.	Percent Active Ingredient
	264-499	NAD: 0.20 Thiram: 4.04
	5481-426	8.40
	5481-431	97.00
	5481-473*	NAD: 1.20 NAA: 0.45

*also listed in PC Code 056002 No Batch

1-Naphthalene acetic acid or NAA (PC Code 056002)

Batch 1	EPA Reg. No.	Percent Active Ingredient
	5481-219	95.0
	5481-430	95.5
	5481-498	99.0

Batch 2	EPA Reg. No.	Percent Active Ingredient
	5481-337	0.11
	5887-169	0.10
	7401-337	0.10

Batch 3	EPA Reg. No.	Percent Active Ingredient
	43905-1	NAA: 0.66 IBA: 1.03
	64388-1	NAA: 0.50 IBA: 1.00

APPENDIX H – PRODUCT BATCHING

1-Naphthalene acetic acid or NAA (PC Code 056002) (continued)

No Batch	EPA Reg. No.	Percent Active Ingredient
	5481-473*	NAA: 0.450 NAD: 1.200
	8002-1	0.040
	68719-2	NAA: 0.076 IBA: 0.133
	72639-11	NAA: 0.200 IBA: 0.850 Kinetin: 0.150
	75851-1	NAA: 0.001 Kinetin: 0.001
	82437-1	NAA: 0.025 IBA: 0.050
	82437-2	NAA: 0.010 IBA: 0.040 Kinetin: 0.008

*also listed in PC Code 056001 No Batch

Potassium 1-naphthaleneacetate (PC Code 056003)

Batch 1	EPA Reg. No.	Percent Active Ingredient
	5481-413	24.2
	5481-497	24.0

Batch 2	EPA Reg. No.	Percent Active Ingredient
	5481-414	6.25
	5481-496	6.25

No Batch	EPA Reg. No.	Percent Active Ingredient
	5481-428	24.2

APPENDIX H – PRODUCT BATCHING

Ammonium 1-naphthaleneacetate (PC Code 056004)

Batch 1	EPA Reg. No.	Percent Active Ingredient
	5481-66	5.68
	5481-129	5.68
	34704-382	5.68

No Batch	EPA Reg. No.	Percent Active Ingredient
	5481-130	21.00

Sodium 1-naphthaleneacetate (PC Code 056007)

Batch 1	EPA Reg. No.	Percent Active Ingredient
	5481-218	95.0
	5481-432	95.0

Batch 2	EPA Reg. No.	Percent Active Ingredient
	5481-427	3.5
	5481-541	3.5

Ethyl 1-naphthaleneacetate (PC Code 056008)

Batch 1	EPA Reg. No.	Percent Active Ingredient
	5481-434	1.15
	5481-452	1.15
	5481-459	1.15
	5481-460	1.15

No Batch	EPA Reg. No.	Percent Active Ingredient
	5481-429	15.0
	5481-433	95.0
	7401-387	1.0

APPENDIX I: LIST OF AVAILABLE RELATED DOCUMENTS & ELECTRONICALLY AVAILABLE FORMS

Pesticide Registration Forms are available at the following EPA internet site:
http://www.epa.gov/opprd001/forms/.

Pesticide Registration Forms (These forms are in PDF format and require the Acrobat reader)

Instructions:

1. Print out and complete the forms. (Note: Form numbers that are bolded can be filled out on your computer then printed.)

2. The completed form(s) should be submitted in hardcopy in accord with the existing policy.

3. Mail the forms, along with any additional documents necessary to comply with EPA regulations covering your request, to the following address for the Document Processing Desk.:

   Document Processing Desk (distribution code)*
   Office of Pesticide Programs (7504P)
   Environmental Protection Agency
   1200 Pennsylvania Ave, NW
   Washington, DC 20460-0001

   * Distribution Codes are as follows:
   (APPL) Application for product registration
   (AMEND) Amendment to existing registration
   (CAN) Voluntary Cancellation
   (EUP) Experimental Use Permit
   (DIST) Supplemental Distributor Registration
   (SLN) Special Local Need
   (NEWCO) Request for new company number
   (NOTIF) Notification
   (PETN) Petition for Tolerance
   (XFER) Product Transfer

DO NOT fax or e-mail any form containing "Confidential Business Information" or "Sensitive Information."

If you have any problems accessing these forms, please contact Nicole Williams at (703) 308-5551 or by e-mail at *williams.nicole@epamail.epa.gov*. If you want these forms mailed or faxed to you, please contact Lois White, *white.lois@epa.gov* or Floyd Gayles, *gayles.floyd@epa.gov*.

If you have any questions concerning how to complete these forms, please contact OPP's ombudsperson for conventional pesticide products: Linda Arrington, (703) 305-5446

APPENDIX I: LIST OF AVAILABLE RELATED DOCUMENTS & ELECTRONICALLY AVAILABLE FORMS

The following Agency Pesticide Registration Forms are currently available via the Internet at the following locations:

8570-1	Application for Pesticide Registration/Amendment	http://www.epa.gov/opprd001/forms/8570-1.pdf
8570-4	Confidential Statement of Formula	http://www.epa.gov/opprd001/forms/8570-4.pdf
8570-5	Notice of Supplemental Registration of Distribution of a Registered Pesticide Product	http://www.epa.gov/opprd001/forms/8570-5.pdf
8570-17	Application for an Experimental Use Permit	http://www.epa.gov/opprd001/forms/8570-17.pdf
8570-25	Application for/Notification of State Registration of a Pesticide To Meet a Special Local Need	http://www.epa.gov/opprd001/forms/8570-25.pdf
8570-27	Formulator's Exemption Statement	http://www.epa.gov/opprd001/forms/8570-27.pdf
8570-28	Certification of Compliance with Data Gap Procedures	http://www.epa.gov/opprd001/forms/8570-28.pdf
8570-30	Pesticide Registration Maintenance Fee Filing	http://www.epa.gov/opprd001/forms/8570-30.pdf
8570-32	Certification of Attempt to Enter into an Agreement with other Registrants for Development of Data	http://www.epa.gov/opprd001/forms/8570-32.pdf
8570-34	Certification with Respect to Citations of Data (in PR Notice 98-5)	http://www.epa.gov/opppmsd1/PR_Notices/pr98-5.pdf
8570-35	Data Matrix (in PR Notice 98-5)	http://www.epa.gov/opppmsd1/PR_Notices/pr98-5.pdf
8570-36	Summary of the Physical/Chemical Properties (in PR Notice 98-1)	http://www.epa.gov/opppmsd1/PR_Notices/pr98-1.pdf
8570-37	Self-Certification Statement for the Physical/Chemical Properties (in PR Notice 98-1)	http://www.epa.gov/opppmsd1/PR_Notices/pr98-1.pdf

APPENDIX I: LIST OF AVAILABLE RELATED DOCUMENTS & ELECTRONICALLY AVAILABLE FORMS

Pesticide Registration Kit http://www.epa.gov/pesticides/registrationkit/

Dear Registrant:

For your convenience, we have assembled an online registration kit which contains the following pertinent forms and information needed to register a pesticide product with the U.S. Environmental Protection Agency's Office of Pesticide Programs (OPP):

1. The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Federal Food, Drug and Cosmetic Act (FFDCA) as Amended by the Food Quality Protection Act (FQPA) of 1996.

2. Pesticide Registration (PR) Notices

    a. 83-3 Label Improvement Program-Storage and Disposal Statements
    b. 84-1 Clarification of Label Improvement Program
    c. 86-5 Standard Format for Data Submitted under FIFRA
    d. 87-1 Label Improvement Program for Pesticides Applied through Irrigation Systems (Chemigation)
    e. 87-6 Inert Ingredients in Pesticide Products Policy Statement
    f. 90-1 Inert Ingredients in Pesticide Products; Revised Policy Statement
    g. 95-2 Notifications, Non-notifications, and Minor Formulation Amendments
    h. 98-1 Self Certification of Product Chemistry Data with Attachments (This document is in PDF format and requires the Acrobat reader.)

    Other PR Notices can be found at http://www.epa.gov/opppmsd1/PR_Notices.

3. Pesticide Product Registration Application Forms (These forms are in PDF format and will require the Acrobat reader.)

    a. EPA Form No. 8570-1, Application for Pesticide Registration/Amendment
    b. EPA Form No. 8570-4, Confidential Statement of Formula
    c. EPA Form No. 8570-27, Formulator's Exemption Statement
    d. EPA Form No. 8570-34, Certification with Respect to Citations of Data
    e. EPA Form No. 8570-35, Data Matrix

4. General Pesticide Information (Some of these forms are in PDF format and will require the Acrobat reader.)

    a. Registration Division Personnel Contact List
    b. Biopesticides and Pollution Prevention Division (BPPD) Contacts
    c. Antimicrobials Division Organizational Structure/Contact List
    d. 53 F.R. 15952, Pesticide Registration Procedures; Pesticide Data Requirements (PDF format)
    e. 40 CFR Part 156, Labeling Requirements for Pesticides and Devices (PDF format)
    f. 40 CFR Part 158, Data Requirements for Registration (PDF format)
    g. 50 F.R. 48833, Disclosure of Reviews of Pesticide Data (November 27, 1985)

APPENDIX I: LIST OF AVAILABLE RELATED DOCUMENTS & ELECTRONICALLY AVAILABLE FORMS

Before submitting your application for registration, you may wish to consult some additional sources of information. These include:

1. The Office of Pesticide Programs' Web Site

2. The booklet "General Information on Applying for Registration of Pesticides in the United States", PB92-221811, available through the National Technical Information Service (NTIS) at the following address:

   National Technical Information Service (NTIS)
   5285 Port Royal Road
   Springfield, VA 22161

   The telephone number for NTIS is (703) 605-6000.

3. The National Pesticide Information Retrieval System (NPIRS) of Purdue University's Center for Environmental and Regulatory Information Systems. This service does charge a fee for subscriptions and custom searches. You can contact NPIRS by telephone at (765) 494-6614 or through their website.

4. The National Pesticide Telecommunications Network (NPTN) can provide information on active ingredients, uses, toxicology, and chemistry of pesticides. You can contact NPTN by telephone at (800) 858-7378 or through their website: http://npic.orst.edu

   The Agency will return a notice of receipt of an application for registration or amended registration, experimental use permit, or amendment to a petition if the applicant or petitioner encloses with his submission a stamped, self-addressed postcard. The postcard must contain the following entries to be completed by OPP:

   - Date of receipt
   - EPA identifying number
   - Product Manager assignment

   Other identifying information may be included by the applicant to link the acknowledgment of receipt to the specific application submitted. EPA will stamp the date of receipt and provide the EPA identifying File Symbol or petition number for the new submission. The identifying number should be used whenever you contact the Agency concerning an application for registration, experimental use permit, or tolerance petition.

   To assist us in ensuring that all data you have submitted for the chemical are properly coded and assigned to your company, please include a list of all synonyms, common and trade names, company experimental codes, and other names which identify the chemical (including "blind" codes used when a sample was submitted for testing by commercial or academic facilities). Please provide a CAS number if one has been assigned.