

Toxic Substances



Environmental and Health Aspects of Acrylonitrile

A Comprehensive
Bibliography of Published
Literature

1930 - 1981



Toxic Substances



Environmental and Health Aspects of Acrylonitrile

A Comprehensive
Bibliography of Published
Literature

1930 - 1981



REPORT DOCUMENTATION PAGE		1. REPORT NO. EPA 560/7-81-007	2.	3. Recipient's Accession No.
4. Title and Subtitle Environmental and Health Aspects of Acrylonitrile, A Comprehensive Bibliography of Published Literature 1930-1981			5. Report Date Prepared June 1981	
7. Author(s)			6.	
9. Performing Organization Name and Address Tracor Jitco, Inc. 1776 East Jefferson Street Rockville, Maryland 20852			8. Performing Organization Rept. No.	
12. Sponsoring Organization Name and Address Environmental Protection Agency, Office of Pesticides and Toxic Substances, Management Support Division, 401 M Street SW, Washington, D.C. 20460			10. Project/Task/Work Unit No. Technical Directive 4	
			11. Contract(C) or Grant(G) No. (C) 68-01-5836 (G)	
			13. Type of Report & Period Covered Final Report 1930-1981	
15. Supplementary Notes			14.	
16. Abstract (Limit: 200 words) This document is a bibliography of published citations on health and environmental aspects of Acrylonitrile (Chemical Abstracts Service Registry Number 107-13-1) for the period 1930 to May 1981. The citations have been selected from a thorough literature search, and broadly classified as having primarily environmental or biological emphasis. The sources used in the search are identified, and for the portion performed on line, the search strategies are also included.				
17. Document Analysis a. Descriptors Bibliographies; Literature Surveys; Environments; Public Health; Pollution; Toxicology. b. Identifiers/Open-Ended Terms Literature Search; Literature Review; Health Effects; Environmental Effects; Acrylonitrile; 107-13-1 c. COSATI Field/Group				
18. Availability Statement Release unlimited		19. Security Class (This Report) Unclassified		21. No. of Pages
		20. Security Class (This Page) Unclassified		22. Price

EPA Report No.560/7-81-007
July 1981

ENVIRONMENTAL AND HEALTH
ASPECTS OF ACRYLONITRILE

A Comprehensive Bibliography
of Published Literature
1930 - 1981

by

Management Support Division
Information Support Services Branch
Office of Toxic Substances
Washington, D.C. 20460

68-06-5836

Project Officers
Michael Weaver, Delores Evans

Management Support Division
Office of Toxic Substances
Washington, D.C. 20460

OFFICE OF TOXIC SUBSTANCES
U.S. ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20026

Preface

This bibliography was created from a literature search performed under the auspices of the Management Support Division, Information Support Services Branch for the Assessment Division, Chemical Review and Evaluation Branch; both of the Office of Toxic Substances. The search was intended to provide partial support for the preparation of a Preliminary Risk Assessment on acrylonitrile (107-13-1). This assessment reviews and evaluates the available significant economic and adverse effects data from both published and unpublished sources on a substance selected as being potentially hazardous to human health or the environment.

The subject coverage of the assessment is broader than this bibliography which includes only published environmental and biological information. The bibliography does not include all information available to the review branch. Although it is not an authoritative source list for Preliminary Risk Assessments, it does represent a comprehensive and systematic search of the literature and subsequent selection of citations that pertain to health and the environment. The limits of the search are fully described in this document and its appendices.

Introduction

1. The Search

This bibliography is a compilation of citations retrieved during a thorough review of the national and international literature on acrylonitrile (Chemical Abstracts Service Registry Number 107-13-1) cited between 1930 and April 1980.

The supporting search was performed at the request of the Assessment Division/Chemical Review and Evaluation Branch by the Management Support Division/Information Support Services Branch, within the Office of Toxic Substances.

1.1. Scope

To insure that the search was comprehensive, a variety of sources were examined, including the following:

- o On-line databases from major vendors of bibliographic information.
- o On-line databases from various agencies of the United States Government.
- o Manually searched national and international indices and abstract collections of scientific literature.
- o Reference sections of major review articles, criteria documents, monographs, and reports.
- o Selected handbooks.

(A complete listing of sources consulted can be found in Appendices I and II).

The emphasis of this bibliography is on the primary literature except for the handbook information presented in Section II and a few secondary sources selected because they contain unique or well-summarized information on the chemical.

Subsequent to the main search, which was completed in April 1980, and using the same strategy, update searches were performed during the period from April 1980 to May 1981 on all the on-line databases initially searched. In addition, the April 1981 and May 1981 issues of Current Contents (Life Sciences, Agriculture, Biology, and Environmental Sciences series) were screened to retrieve citations which may not have been entered into the on-line files at the time of the final update searches.

Because the overall requirement of the search request for this project was broader than the health and environmental aspects of the chemical, a wider range of databases was searched than might normally be expected for this bibliography. However, only health and environmental aspects were selected regardless of the data source examined. The total complement of databases searched is listed in the appendices for the user's reference.

1.2. Strategy

The search requirement demanded high recall of information dealing with acrylonitrile; precision was a secondary consideration. EPA decided to retrieve all citations that contained the term acrylonitrile or its synonyms in any searchable fields and to select relevant citations by a manual screen. The Chemical Abstract Service registry number (CAS RN) and systematic names and synonyms that could be identified from CHEMLINE (National Library of Medicine); CHEMDEX (System Development Corporation); CHEMNAME, CHEMSEARCH, and CHEMSIS (Lockheed Information System); SANSS (NIH/EPA Chemical Information System); and RTECS (NIOSH Registry of Toxic Effects of Chemical Substances) were used in the search on databases. For on-line searching, the names were divided into significant fragments and entered according to the conventions of the individual databases.

Chemical terms used in this search were as follows:

CAS RN: 107-13-1
acrylon
acrylonitrile
carbacyl
vinyl cyanide
cyanoethylene
ENT 54
Fumigrain
Miller's Fumigrain
propenenitrile
2-propenenitrile
TL 314
VCN
Ventox

No additional modifiers or keywords were used to limit information retrieved in any database for this chemical because comprehensive retrieval was desired. Complete search strategies are listed in Appendix II.

Use/application categories were not used as search terms because EPA decided to select only terms that specifically mentioned the chemical or its synonyms. Indexing policy, keyword entry, and abstracting techniques usually discussed significantly in general articles or reviews. The user can be assured, therefore, that each citation listed in this bibliography contains substantive information on the subject chemical.

Manual sources, indices, and abstract collections usually employ their own unique indexing schemes for chemical information, so it is difficult to describe a standard search strategy for these information tools. However, in all cases, the most specific indexing terms available in the source were used to identify citations on the subject chemical.

1.3. Selection of Citations

Citations were selected for inclusion in this bibliography based on their relevance to the following topics:

- o Toxicity -- Adverse and toxic effects on any biological systems, structural and functional changes in organs and tissues of all vertebrate and invertebrate species, test methods used for determination of toxicity, and bioassay studies.
- o Physiology -- Absorption, distribution, transport, metabolism, and elimination in all species; techniques for measurement of tissue and organ residues; interactions with endogenous substances.
- o Epidemiology -- Exposure data, morbidity, and mortality rates for general and occupational populations.
- o Environmental Significance -- Environmental distribution in air, soil, and water; sources of pollution; ecological effects on microorganisms, insects, plants, and wildlife; biodegradation and bioconcentration; analytical techniques for sampling and measurement in the environment.
- o Safety, Control, and Regulations -- Disposal hazards; Federal, local, and international controls, recommendations, and regulations.

These are the broad specifications for inclusion in this bibliography. Because any literature selection process involves subjectivity and judgement, precise definitions are difficult. The general guiding requirement for inclusion is that citations must pertain to the biological or environmental aspects of the chemical.

The following information is not included in this bibliography:

news items; brief announcements and Federal Register notices; reports of on-going research which have not yet been published or any other unpublished information; draft reports; and private communications.

2. Organization of Bibliography

This bibliography is organized into three major sections.

2.1. Section Titles

Section I -- Handbook information
Section II -- Citations from the primary literature
Section III -- Appendices listing specific sources used and exact search strategies employed

2.2. Citation Format

In Section II citations from on-line and manually searched abstract collections are arranged alphabetically by author.

Personal names are entered with the last name first followed by the first two initials. Second and third authors' names are separated from the first author and each other by a semicolon. Up to three personal names are used; if there are more than three authors, the remaining are listed as "et al."

If an author has written more than one article, citations are arranged in ascending chronological order. If authors and date are identical, citations are arranged alphabetically by title of the article. Single author entries are listed first, followed by two, then three author entries.

Patents are arranged alphabetically by assignee name.

All government publications are listed by the sponsoring government agency. Government or corporate names are written in full form. No acronyms are used. The country of origin is listed first, followed by the organizational hierarchy of the sponsoring group listed in descending hierarchical order. If the performing organization or individual author is known, they are listed on separate lines below the government sponsor.

Example: NIOSH publication:

United States. Department of Health, Education and Welfare. Public Health Service. Center for Disease Control. National Institute for Occupational Safety and Health
Tracor Jitco, Inc.
Brown, R.A.; Smith S.S.

Corporate documents with no specific author are listed in alphabetical order according to the first significant word of the organization name.

e.g., DuPont de Nemours, E.I. and Company

2.3. Literature Cited

The following kinds of literature are cited in this bibliography: journal articles, government reports, patents, organization and corporate reports, books, manufacturer's literature, conference proceedings, and dissertations.

In each case an attempt has been made to supply the user with enough information so that the hard copy of the document may be easily obtained.

Journal titles are abbreviated according to the style in the Chemical Abstracts Service Source Index (CASSI), The American Chemical Society, Columbus, OH, 1980 and its corresponding guide, Bibliographic Guide for Editors and Authors, The American Chemical Society, Washington, DC, 1974.

All foreign titles have been translated into English. Foreign language articles are indicated by the appropriate three letter language abbreviation in parentheses at the end of the source information.

2.4. Categorization of Citations

In order to make this bibliography a more useful tool for separate user groups, most citations are marked with the category code E or H.

E = Environmental Aspects, i.e., the major content of the document pertains to the chemical in the open environment: its distribution, degradation, environmental chemistry and analysis; effect on ecosystems; effect on flora and fauna, including laboratory research, when emphasis is on environmental considerations rather than prediction of human effects, environmental chemistry, and analysis.

H = Health Aspects, i.e., the major content of the document concerns known health effects, predictive laboratory research, and animal studies as relates to human health effects, human exposure, and epidemiological studies.

A decision was made based on the abstract, and in some cases the entire document, to categorize according to what appeared to be the major purpose of the study. In a few cases neither category applies. Those citations were left unclassified.

HANDBOOK
AND
DATABANK
INFORMATION

3. Handbook and Databank Information

3.1. Summary Databanks for Health Effects Data

(Information found)

United States. Department of Health and Human
Services. Public Health Service. Center for Disease
Control. National Institute for Occupational
Safety and Health
Registry of Toxic Effects of Chemical Substances.
Cincinnati, OH: NIOSH, 1980

yes

United States. Department of Health and Human
Services. Public Health Service. National
Institutes of Health. National Library of Medicine
Toxicology Data Bank.
Bethesda, MD 1980

yes

3.2. Handbooks Searched for Health Effects

<u>Source</u>	<u>Location of Information</u>
Browning, E. Toxicity and Metabolism of Industrial Solvents. New York: Elsevier Publishing Co., 1963	No pertinent information found
Browning, E. Toxicity of Industrial Metals. New York: Appleton-Century-Crofts, 1969	No pertinent information found
Dittmer, D.S., Editor Handbook of Toxicology, V. - Fungicides. Philadelphia: W. B. Saunders Company, 1959	No pertinent information found
Fishbein, L. Potential Industrial Carcinogens and Mutagens. New York: Elsevier Scientific Publishing Co., 1979	pp. 436-40
Fishbein, L.; Flamm, W.G.; Falk, H.L. Chemical Mutagens. New York: Academic Press, 1970	No pertinent information found
Goodman, L.S.; Gilman, A., Editors The Pharmacological Basis of Therapeutics. New York: Macmillan Publishing Co., Inc., 1975	No pertinent information found
Patty, F.A., Editor Industrial Hygiene and Toxicology. New York: Interscience Publishers, 1963	pp. 2013-6
Plunkett, E.R. Handbook of Industrial Toxicology. New York: Chemical Publishing Co., Inc., 1976	pp. 13-4
Sax, N.I. Dangerous Properties of Industrial Materials. New York: Van Nostrand Reinhold Co., 1979	p. 343-4
Searle, C.E., Editor Chemical Carcinogens. Washington, DC: American Chemical Society, 1976	No pertinent information found

3.2. Handbooks Searched for Health Effects (cont'd)

<u>Source</u>	<u>Location of Information</u>
Shepard, T.H. Catalog of Teratogenic Agents. Baltimore, MD: The Johns Hopkins University Press, 1976	No pertinent information found
Spector, W.S., Editor Handbook of Toxicology, V. I. - Acute Toxicities. Philadelphia: W. B. Saunders Company, 1956	p. 12-3
Spector, W.S., Editor Handbook of Toxicology, V. II. - Antibiotics. Philadelphia: W.B. Saunders Company, 1957	No pertinent information found
Spector, W.S., Editor Handbook of Toxicology, V. III. - Insecticides. Philadelphia: W.B. Saunders Company, 1959	pp. 1-3
Sunshine, I., Editor CRC Handbook Series in Analytical Toxicology. Boca Raton, FL: CRC Press, Inc., 1979	pp. 565,600-1
United Nations. International Agency for Research on Cancer IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans. Lyon, France: IARC	pp. 73-86
United States. Department of Health and Human Services. Public Health Service. Center for Disease Control. National Institute for Occupational Safety and Health NIOSH Criteria Documents. Cincinnati, OH: NIOSH	No document exists
United States. Department of Health and Human Services. Public Health Service. National Institutes of Health. National Cancer Institute NCI Carcinogens Bioassay Reports. Springfield, VA: National Technical Information Service	No document exists

3.2. Handbooks Searched for Health Effects (cont'd)

<u>Source</u>	<u>Location of Information</u>
United States. Department of Health and Human Services. Public Health Service. National Institutes of Health. National Cancer Institute Survey of Compounds Which Have Been Tested for Carcinogenic Activity. Bethesda, MD: NCI, 1978	No pertinent information found
United States. Environmental Protection Agency EPA Publications Bibliography. Washington, DC, EPA	Vol. 77(4):53 78(4):64 79(4):2 79(3):31,45 80(2):44

3.3. Handbooks Searched for Environmental Effects

<u>Source</u>	<u>Location of Information</u>
Applegate, V.C.; Howell, J.H.; Hall, A.E.; et al. Toxicity of 4,346 Chemicals to Larval Lampreys' and Fishes: Special Scientific Report. Fisheries No. 207, Washington, DC, 1957	No pertinent information found
McKee, J.E.; Wolf, H.W., Editors Water Quality Criteria, 2nd Edition. California State Water Resources Control Board, 1963	p. 127
Ryckman, D.W.; Prabhakara Rao, A.V.S.; Buzzel, J.C. Behavior of Organic Chemicals in the Aquatic Environment. Washington, DC: Manufacturing Chemists' Association, 1966	p. A-5
United States. Environmental Protection Agency Review of the Environmental Fate of Selected Chemicals. Springfield, VA: National Technical Information Service, 1977	No pertinent information found
United States. Environmental Protection Agency Review of the Environmental Fate of 129 Priority Pollutants. Springfield, VA: National Technical Information Service, 1977	p. 105-1
Verschueren, K. Handbook of Environmental Data on Organic Chemicals. New York: Van Nostrand Reinhold Co., 1977	pp. 78-80

3.4. Handbooks Searched for Physical and Chemical Properties

<u>Source</u>	<u>Location of Information</u>
Aldrich Chemical Company, Inc. Aldrich Catalog Handbook of Fine Chemicals. 1981-2. Milwaukee, WI: Aldrich Chemical Co., 1980	p. 20
Bennet, H., Editor Concise Chemical and Technical Dictionary. New York: Chemical Publishing Co., Inc., 1974	p. 17
Dreisback, R.R. Physical Properties of Chemical Compounds. Washington, DC: American Chemical Society, 1959	No pertinent information found
Grasselli, J.G.; Ritchey, W.M., Editors CRC Atlas of Spectral Data and Physical Constants for Organic Compounds. Boca Raton, FL: CRC Press, 1975	p. A-900
Grayson, M., Editor Kirk-Othmer Encyclopedia of Chemical Technology. New York: Interscience Publishers, 1979	pp. 414-26
Hawley, G.G. The Condensed Chemical Dictionary. New York: Van Nostrand Reinhold Co., 1977	pp. 14
Kortum, G.; Vogel, W. Dissociation Constants of Organic Acids in Aqueous Solution. London: Butterworths, 1961	No pertinent information found
Leo, A.; Hansch, C.; Elkins, D. Chemical Reviews. Claremont, CA: Department of Chemistry, Pomona College, 1971	p. 559
Linke, W.F. Solubilities of Inorganic and Metal-Organic Compounds. New York: D. Van Nostrand Co., Vol. I. 1958, Vol. II. 1965	No pertinent information found

3.4. Handbooks Searched for Physical and Chemical Properties (cont'd)

<u>Source</u>	<u>Location of Information</u>
Mark, H.F.; Gaylord, N.G.; Bikales, N.M., Editors Encyclopedia of Polymer Science and Technology. New York: Interscience Publishers, 1964	pp. 1374-407 415-8
Perry, R.H.; Chilton, C.H., Editors Chemical Engineers Handbook. New York: McGraw-Hill Book Co., 1973	No pertinent information found
Pollock, J.R.; Stevens, R., Editors Dictionary of Organic Compounds. London: Eyre and Spottiswoode Publishers, Ltd., 1965	p. 37-8
Stephen, H.; Stephen, T.; Editors Solubilities of Inorganic and Organic Compounds. New York: The Macmillan Co., 1963	No pertinent information found
Weast, R.C., Editor CRC Handbook of Chemistry and Physics. Boca Raton, FL: CRC Press, 1979	No pertinent information found
Windholz, M., Editor The Merck Index. Rahway, NJ: Merck and Co., Inc., 1976	p. 17-8

**CITATIONS
FROM THE
LITERATURE**

- Aarato, S.E.; Eszter, B.
Determination of Acrylonitrile in the Air in the Presence of Dimethylformamide and Ammonia.
 Munkavedelem, 18(10-12):50-1 (1972) (Hun)
- H Abe, K.; Hiraga, M.; Anan, F.K.
The Chemical Modification of Beef Liver Catalase. IV. The Properties of Acrylonitrile- or Glyoxal-treated Products of Catalase.
 J. Biochem., 74(5):889-904 (Nov. 1973)
- H Abreu, M.
Studies on the Mechanism of Acrylonitrile Neurotoxicity.
 Symposium: 12th Annual Meeting of the Society of Toxicology. New Orleans, LA, Mar. 11-17, 1979.
- H Abreu, M.; Ahmed, A.E.
Metabolism of Acrylonitrile to Cyanide: In Vitro Studies.
 Symposium: 19th Annual Meeting of the Society of Toxicology. Washington, DC, Mar. 9-13, 1980. Paper No: 393.
 Drug Metab. Dispos., 8(6):376-9 (1980)
- E Achmatowicz, T.; Lugowska, U.
Radiation Processing of Wastes from Acrylonitrile Manufacture.
 Nukleonika, 24(10-11):1033-8 (1979)
- Adema, E.H.
Acrylonitrile Measurement Methods.
 Chem. Weekbl., pp. 103-5 (Feb. 1979) (Dut)
- H Agaev, F.B.
Possible Classification of the Potential Danger of Chemical Substances Absorbed through the Skin.
 Azerb. Med. Zh., 55(5):29-32 (1978) (Rus)
- H Ageeva, T.S.
The Condition of the Metabolism of Mediating Substances in Workers Producing Acrylonitrile.
 Tr. Sarat. Med. Inst., (10-13):71-88 (1970)

- Agency of Industrial Sciences and Technology
Mikami, E.; Misono, T.; Okumura, A.
E Biological Treatment of Cyanide-containing Organic Waste Water
from the Nitrile Manufacturing Process.
Japan, Patent No. 74 58662
Jun. 6, 1974
- Aghoramurthy, K.; Mehta, S.K.
H Toxicological Involvement in Acrylonitrile Plant.
Proceedings: 1st International Symposium on Environmental
Pollution and Human Health. pp. 519-39 (1977)
- Agouri, E.
H The Acrylonitrile Resins: Their Prospects in the Food Field.
Emballages, 48(350):45-52 (1978) (Fre)
- Ahmed, A.E.
H Pharmacokinetics, Distribution, and Binding of 1-14C
Acrylonitrile in Rats.
Symposium: American Society for Pharmacology and Experimental
Therapeutic. Portland, OR, Aug. 19-23, 1979.
- Ahmed, A.E.; Patel, K.
H Pharmacokinetics Distribution and Binding of 1-C-14
Acrylonitrile in Rats.
Pharmacologist, 21(3):212 (1979)
- Ahmed, A.E.; Patel, K.; Chieco, P.
H Comparative Toxicity of Aliphatic Nitriles.
Symposium: 2nd International Congress on Toxicology. Brussels,
Belgium, Jul. 6-11, 1980.
- Akitsune, K.
E Waste Water Treatment at Acrylonitrile Plant by the Catalytic
Wet Oxidation Process.
Nikkakyo Geppo, 29(9):9-17 (1976) (Jpn)
- Aldershoff, W.G.
H Is Acrylonitrile Carcinogenic?
Chem. Weekbl., 75(32):2 (1979) (Dut)

H Aljama, P.; Bird, P.A.; Ward, M.K.; et al.
Haemodialysis-induced Leucopenia and Activation of Complement:
Effects on Different Membranes.
Proceedings: European Dialysis and Transplantation Association.
Apr. 25, 1979. pp. 144-53

H Aljama, P.; Brown, P.; Turner, P.; et al.
Haemodialysis-triggered Asthma.
Br. Med. J., 2(6132):251-2 (1978)

H Alshansky, A.M.; Ivanov, V.V.; Promyslov, M.S.
Effect of Acrylonitrile on Content of Gamma-Amino-Butyric Acid,
Glutamate-Decarboxylase Activity and on Lipid Peroxidation in
Rat-Brain Tissue.
Vopr. Med. Khimii, 26(4):507-9 (1980) (Rus)

H American Cyanamid Company
The Chemistry of Acrylonitrile.
In: Nitrogen Chemicals Digest, Vol. V. New York: Beacon Press,
Inc., 95 pp., 1951

American Cyanamid Company
Method of Stabilizing Acrylonitrile.
Patent No. 2656376
Oct. 20, 1953

American Cyanamid Company
Stabilization of Acrylonitrile.
Patent No. 2783269
Feb. 26, 1957

H American Petroleum Institute
API Toxicological Review, Acrylonitrile.
American Petroleum Institute (1948)

H Anderson, R.A.; Harland, W.A.; Oliver, J.S.
The Analysis of Volatiles in Blood from Fire Fatalities.
Proceedings: European Meeting of the International Association
of Forensic Toxicologist. Glasgow, Scotland, 1979. pp. 279-92
(Pub. 1980)

- Anderson, T.T.; Ebner, K.E.
H Modification of the Disulfide Bonds of Ovine Prolactin.
Symposium: Federation of American Societies for Experimental
Biology. Kansas City, KS
Fed. Proc., 36(3):911 (1977)
- Anon.
H Acrylonitrile.
Am. Ind. Hyg. Assoc. Q., 18:78-79 (Mar. 1957)
- Anon.
H Acrylonitrile.
Am. Ind. Hyg. Assoc. J., 31:529-30 (Aug. 1970)
- Anon.
H Acrylonitrile, Acrylic, and Modacrylic Fibres, and Acrylonitrile-
butadiene-styrene and Styrene-acrylonitrile Copolymers.
IARC Monogr. Carcinog. Risk. Chem. Hum., 19:73-113 (Feb. 1979)
- Anon.
H Acrylonitrile Hazard Acknowledged by Commission.
Occup. Health, 31:285 (Jun. 1979)
- Anon.
E Acrylonitrile Pollution.
Rev. Chim., 31(4):399-400 (1980)
- Anon.
H Acrylonitrile - Properties, Uses, Handling.
London: Border Chemicals Limited, Devonshire House, 9 pp.,
Jul. 1969
- Anon.
H Acrylonitrile - Toxicity, First Aid.
London: Border Chemicals Limited, 3 pp., Mar. 1969
- Anon.
E Calgon Initiates Mobile Treatment Service for Cleanup of Spills
of Toxic Substances.
J. Environ. Health, 41(2):112 (Sep.-Oct. 1978)

- Anon.
H Carcinogenic Risk of Acrylonitrile.
Cah. Notes Doc., 94:19-21 (1979) (Fre)
- Anon.
H Clearing the Air: Basic Respirators Help Protect Workers
against Respiratory Hazards.
Compressed Air, 84(11):24-7 (Nov. 1979)
- Anon.
H A Conversation with FDA's Stuart M. Pape.
Fd. Drug. Packag., 40(1):22-5, 28 (Jan. 1979)
- Anon.
H Dangers of Acrylonitrile and Its Determination in Air and
Biological Media.
Med. Segur. Trab., 26(102):90-3 (1978) (Spa)
- Anon.
H The European Economic Community Commission Will Not Harmonize
National Hygiene Standards for Acrylonitrile.
Eur. Chem. News, 33(894):17 (Jul. 2, 1979)
- Anon.
H FAO/WHO Monographs on Fumigants.
Food Cosmet. Toxic., 4:434 (1966)
- Anon.
H FDA Bureau of Foods: Dr. Miller Examines Issues.
Fd. Drug Packag., 42(10):4,17,20-1 (Jan. 1980)
- Anon.
H Hazardous Substances Summary and Full Development Plan.
NTIS Report PB-289923, 244 pp. (Dec. 1978)
- Anon.
H Hygienic Evaluation of Plastics in the Context of Foods and
Items of Utility.
Bundesgesundheitsblatt, 18(19):313 (1975) (Ger)

- Anon.
H MCA Reports on Acrylonitrile Teratology Study.
Med. Coll. Va. Quarterly, 18(35):8 (1976)
- Anon.
E Microorganisms of Activated Sludge from Treatment of Wastewater from Pyrolysis and Synthetic Fiber Manufacture.
Wei Sheng Wu Hsueh T'ung Pao, 7(2):61-4 (1980)
- Anon.
E New Daphnia Test Measures Wastewater Toxics.
Water and Pollution Control, 118(2):20-1 (Feb. 1980)
- Anon.
H OSHA Lowers Acrylonitrile Exposure Level; Used in Manufacture of Resins.
Am. Paint Coatings J., 62(34):9 (Jan. 30, 1978)
- Anon.
H OSHA Sets Tough Acrylonitrile Exposure Regulations.
Oil Gas J., 76(4):36 (Jan. 23, 1978)
- Anon.
E Plastic Bottles Said to Pollute; Suit Filed to Revoke Approval.
Chem. Mark. Reporter, 208(21):28-9 (Nov. 24, 1975)
- Anon.
H Plastics in Packaging/Acrylonitrile: A Dual Meeting.
Symposium: National Technical Conference. Chicago, IL, Nov. 13-15, 1978. 231 pp.
- Anon.
H Polyacrylonitrile Membrane Dialysis for Hepatic Coma.
Lancet, 2(8035):451-2 (Aug. 27, 1977)
- Anon.
H Reagent Hazards.
A & R, 16(10):458-63 (1978)

- Anon.
E Unique System Solves Plastic Problem.
Water Wastes Eng., 10(5):C20 (May 1973)
- Anon.
H Update on OSHA's Cancer Hearings: The Real Fight Is Still Ahead.
Plast. Technol., 24(10):53, 57 (Sep. 1978)
- Anon.
E When Is a Bottle Not a Bottle?
Environ. Action, 7(14):4 (Nov. 22, 1975)
- Anton'ev, A.A.; Rogailin, V.I.
H Professional Dermatoses Caused by Acrylonitrile and Their Prophylaxis.
Tr. Perm. Gos. Med. Inst., 99:103-6 (1970)
- Appel, K.E.; Peter, H.; Bolt, M.; et al.
H Interaction of Acrylonitrile with Hepatic Microsomes of Rats and Men.
Toxicol. Lett. (Amst.), 4-5:335-40 (1981)
- Araki, T.; Hashinaga, T.; Mikami, E.; et al.
E Microbial Purification of Some Specific Industrial Wastes.
Kogyo Gijutsuin Biseibutsu Kogyo Gijutsu Kenkyusho Kenkyu Hokoku, (36):53-9 (1969) (Jpn)
- Ardasheva, O.K.; Martynova, N.A.
H Degassing Protective Clothing Contaminated by Acrylonitrile.
Gig. Tr. Prof. Zabol., 16(6):55-7 (1972) (Rus)
- Argus Chemical Corp.
Haruna Tohru, J.P.; Leistner, W.E.; Minagawa, M.J.P.; et al.
Inorganic Organic Coester Stabilizers.
Japan, Patent No. 4257927
Mar. 24, 1981
- Asahi Chemical Industry Co., Ltd.
Takagi, H.; Tagashira, Y.; Kitamura, T.
E Treatment of Waste Waters.
Japan, Patent No. 74 97457
Sep. 14, 1974

- Asahi Chemical Industry Co., Ltd.
Araki, H.; Mitsui, O.; Kojima, H.; et al.
E Activated Sludge As Adsorbent in Waste Water Treatment.
Japan, Patent No. 75 47455
Apr. 26, 1975
- Asahi Chemical Industry Co., Ltd.
Tagashira, Y.; Takagi, H.; Inagaki, K.
E Wet High Pressure Waste Water Treatment in the Presence of
Copper.
Japan, Patent No. 75 106862
Aug. 22, 1975
- Asahi Chemical Industry Co., Ltd.
Kasai, M.; Misumi, T.; Miyaji, T.; et al.
E Improved Oxidation Method for Waste Water.
Japan, Patent No. 76 25474
Mar. 2, 1976
- Asahi Chemical Industry Co., Ltd.
Tagashira, Y.; Takagi, H.; Inagaki, K.
E Treatment of Wastewater with Activated Carbon.
Japan, Patent No. 79 36060
Mar. 16, 1979
- Asahi Chemical Industry Co., Ltd.
Tagashira, Y.; Takagi, H.; Inagaki, K.
E Wastewater Treatment Process.
Japan, Patent No. 27 43683
Mar. 1, 1979
- Asahi Chemical Industry Co., Ltd.
Inagaki, K.; Tagashira, Y.; Takagi, H.
E Catalytic Decomposition of Wastewater.
Japan, Patent No. 80 22367
Feb. 18, 1980
- Asahi Kasei Kogyo
Inagaki, K.; Tagashira, Y.; Takagi, H.
E Continuous Absorbant Regeneration - in Process for Lowering COD
of Effluent from Acrylonitrile Prodn.
Japan, Patent No. 77-IA-101068
Jan. 3, 1979

- Asahi Kasei Kogyo K. K. JP.
Inagaki, K.; Tagashira, Y.; Takagi, H.
E Wastewater Treatment Method Using Activated Carbon.
Japan, Patent No. 42 03835
May 20, 1980
- Asendorf, E.
E Purification of Industrial Wastes.
Chemiker-ztg., 90(16):573-8 (1966) (Ger)
- Asplund, I.
E List of Maximum Allowable Concentrations for Air Pollutants.
Kemisk Tidskrift, 91(11):24-7 (1979) (Swe)
- Austin, L.K.; Cunningham, G.P.
Determination of Trace Quantities of Acrylonitrile in Resins and
Paints by Gas-Chromatography.
J. Coatings Technol., 52(665):49-53 (1980)
- Auvinet, J.; Favand, M.
H Measurement of the Fumes and Analysis of the Toxic Gas from the
Combustion of Materials Used in Airplane Cabins.
Symposium: Etud. Tech. Armement, Commis. Energ. At., Toulouse,
France
AGARD Conf. Proc., 166(12):12 pp. (1975) (Fre)
- Babanov, G.P.; Isakhonov, A.L.; Burov, Y.A.; et al.
H Adaption of an Organism to Acrylonitrile As a Low Concentration
Factor in an Industrial Environment.
Toksikol. Glg. Prod. Neftekhim. Neftekhim. Proizvod., pp. 45-58
(1972) (Rus)
- Babina, M.D.
Gas-Chromatographic Determination of Trace Impurities Released
into the Air in the Production of Some Styrene Copolymers.
Gig. Tr. Prof. Zabol., (3):55-7 (1979) (Rus)
- Bainova, A.
H Assessment of the Skin Lesions in the Production of Bulana
Polyacrylonitrile Fibers.
Dermatol. Venerol., 14(2):92-7 (1975) (Bul)

- Balak, J.; Cavojcova, E.; Polievka, M.
Problems of Acrylonitrile Analysis in Cyanoethylene Reaction Mixtures Using Gas Chromatography.
 Petrochemia, 17(1-2):37-46 (1977) (Slo)
- H Balda, B.R.
Acrylonitrile As a Contact Allergen.
 Hautarzt, 26(11):599-601 (Nov. 1975) (Ger)
- E Ball, G.; Boettner, E.A.
Combustion Products of Nitrogen-containing Polymers.
 Symposium: 165th Meeting of the American Chemical Society, Division of Organic Coatings and Plastic Chemistry. Dallas, TX, Apr. 8-13, 1973.
 J. Am. Chem. Soc., 33(1):431-437 (1973)
- E Balock, J.W.
Toxicity of Various Compounds As Fumigants to Eggs and Larvae of the Oriental Fruit Fly.
 J. Econ. Entomol., 44:657-9 (1951)
- H Barakovskikh, N.I.
Excretion of Total Estrogens and Chorionic Gonadotropin during Pregnancy in Industrial Rubber Products Plant Workers.
 Gig. Tr. Sostoyanie Spetsificheskikh Funkts. Rab. Neftekhim. Khim. Prom-sti., pp. 80-2 (1974) (Rus)
- E Barrows, M.E.; Petrocelli, S.R.; Macek, K.J.; et al.
Bioconcentration and Elimination of Selected Water Pollutants by Bluegill Sunfish.
 Symposium: Dynamic Exposure and Hazard Assessment of Toxic Chemicals. 1978. Edited by Hague, R. Ann Arbor, MI: Ann Arbor Sci., pp. 379-92 (Pub. 1980)
- Baumgarten, J.; Herrig, W.
Microbiological Decomposition of Acrylonitrile in Aqueous Dispersions.
 Germany, Patent No. 2 903852
 Aug. 14, 1980
- H Baxter, R.A.
Evaluation and Control of Industrial-Exposure to Acrylonitrile.
 Ann. Occupational Hygiene, 22(4):429-35 (1979)

- Bayley, W.L.D.
E How Many Warnings Needed? A Look at Recent Disasters.
Foresight, 4(3):20-30 (Sep. 1978)
- Bellino, M.; Grignoli, M.; Passenini, L.
E Acrylonitrile As a Pollutant Substance in Industry.
Ann. Ist. Super. Sanita., 14(4):843-54 (1978) (Ita)
- Bendix, S.
H Firefighter Exposure to Environmental Carcinogens.
J. Combust. Toxicol., 6:127-35 (1979)
- Benes, V.; Cerna, V.
H Acrylonitrile: Acute Toxicity and Mechanism of Action.
J. Hyg. Epidemiol. Microbiol. Immunol., 3(1):106-16 (1959)
- Benes, V.; Spam, R.
H Mutagenic Activity of Some Pesticides in Drosophila melanogaster.
Ind. Med. Surg., 38(12):442-4 (1969)
- Berck, B.
H Fumigant Residues: Retention of Acrylonitrile and Carbon
Tetrachloride by Shelled Walnuts Fumigated with Acrylon.
J. Agric. and Food Chem., 8(2):128-31 (1960)
- Berck, B.
Polarographic Determination of Methyl Bromide, Ethylene
Dibromide, Acrylonitrile, Chloropicrin, and Carbon Tetrachloride
in Air.
J. Agric. Food Chem., 10(2):158-62 (Apr. 1962)
- Berkau, E.E.; Denny, D.A.; Thompson, G.S.; et al.
E Multimedia Assessment an Integrated Approach to Pollution.
Chem. Eng., 84(17):148-51 (Aug. 15, 1977)
- Betso, S.R.; McLean, J.D.
Determination of Acrylamide Monomer by Differential Pulse
Polarography.
Anal. Chem., 48(4):766-70 (1976)

- Bidnenko, L.J.; Grushevskaya, N. Yu.
H Hygiene Evaluation of Synthetic SKN-26 Nitrile Rubber Used in Food Applications.
Gig. Sanit., 11:28-31, 128 (1974) (Rus)
- Bird, W.L.; Hale, C.H.
Polarographic Determination of Acrylonitrile.
Anal. Chem., 24(3):586-7 (Mar. 1952)
- Bloch, P.; Delorme, M.L.; Rapin, J.R.; et al.
H Reversible Modifications of Neurotransmitters of the Brain in Experimental Acute Hepatic Coma.
Surg. Gynecol. Obstet., 146(4):551-8 (Apr. 1978)
- Bloeck, S.
Experiences with the Determination of Acrylonitrile in Polyacrylonitrile and Copolymers by Gas Chromatographic Headspace Analysis.
Proceedings: GC Headspace Symposium, Application of Headspace Gas Chromatography. 1978. Edited by Kolb, B. London, England: Heyden, pp. 117-20 (Pub. 1980)
- Boklag, E.P.
H Hygienic Characteristics of Working Conditions in the Production of Acrylonitrile.
Zdrayookhr. Beloruss., 8:41-4 (1975) (Rus)
- Bolshakov, A.M.; Selivokhin, P.I.; Yabko, Ya.M.; et al.
H Toxicological Evaluation of Synthetic Footwear Leathers.
Kozh. Obuvna. Promst., 17(11):34-5 (1975) (Rus)
- Bolt, H.M.
H Toxicological Assessment of Halogenated Ethylenes.
Arbeitsmed. Sozialmed. Praventivmed., 15(3):49-53 (1980) (Ger)
- Bondarev, G.I.; Stasenkova, K.P.
H The Evaluation of Medical-Prophylactic Nutrition under the Experimental Action of Acrylic Acid Nitrile.
Vopr. Pitan., (5):78-82 (1977)

- H Bondarev, G.I.; Stasenкова, K.P.; Vissarionova, V.I.
Protective Action of Sulfur-containing Compounds in Acrylonitrile Poisoning.
Vopr. Pitan., (4):55-8 (1976) (Rus)
- H Borchardt, K.
Acute Oral Intoxication with Acrylonitrile in Animals.
Gesamte. Hyg. Ihre. Grenzgeb., 16:316-9 (May 1970)
- H Bott, B.; Firth, J.G.; Jones, T.A.
Evolution of Toxic Gases from Heated Plastics.
Brit. Polymer. J., 1(5):203-4 (Sep. 1969)
- H Bovee, H.H.; Schubert, J.E.
Protection against Toxic Substances in Space Travel.
Am. Ind. Hyg. Ass. J., 24:168-71 (1963)
- H BP Chemicals Ltd.
Handling of Breon Latexes in Industry.
BP Chemicals Ltd., Technigram L 12/3, Report No. 42D11C391-6121-921, 12 INS, p.4 (Mar. 10, 1979)
- H Braginskaya, L.L.; Burdygina, M.Y.; Boklag, E.P.; et al.
Change in Some Functions of the Organism of Acrylonitrile Production Workers.
Gig. Tr. Okhrana Zdorov'ya Naseleniya, pp. 66-8 (1974) (Rus)
- E Brainard, A.H.
Deep Well Disposal Process for Acrylonitrile Process Waste Water.
Off. Gazette., 910(4):1325-6 (May 22, 1973)
- H Bray, H.G.; Hybs, Z.; Thorpe, W.V.
Metabolism of Derivatives of Toluene; Tolunitriles, Benzonitrile, and Some Related Compounds.
Biochem. J., 48:192-9 (1951)
- H Brieger, H.; Rieders, F.; Hodes, W.A.
Acrylonitrile: Spectrophotometric Determination, Acute Toxicity, and Mechanism in Action.
Arch. Ind. Hyg. Occup. Med., 6:128-140 (Aug. 1952)

- E Brighton, C.A.; Pritchard, G.; Skinner, G.A.
Styrene Polymers: Technology and Environmental Aspects.
London: Applied Science Publishers Ltd., 284 pp. (1979)
- H British Plastics Federation
Plastics for Food Contact Applications. A Code of Practice for Safety in Use.
British Plastics Federation, London: 54 pp. (1969)
- E Brown, L.; Bancroft, K.C.C.; Rhead, M.M.
Laboratory Studies on the Adsorption of Acrylamide Monomer by Sludge, Sediments, Clays, Peat, and Synthetic Resins.
Water Res., 14(7):779-81 (1980)
- Brown, M.E.; Breder, C.V.; Moneal, T.P.
Gas-solid Chromatographic Procedures for Determining Acrylonitrile Monomer in Acrylonitrile-containing Polymers and Food Simulating Solvents.
J. Assoc. Off. Anal. Chem., 61(6):1383-8 (1978)
- Brown, R.M.; Boyko, J.M.; Campbell, R.L., et al.
Determining Trace Quantities of Acrylonitrile in Air.
Abstracts of Papers of the American Chemical Society, p. 111 (Sep. 1979)
- H Brusilovskii, E.S.; Buslenko, A.I.; Dyachenko, E.I.; et al.
Use of Allergens from Chemical Substances for Sensitization and Local Tests.
Immunol. Allerg., 8:97-101 (1975) (Rus)
- H Buettner, H.
Polyacrylonitrile Fire.
Plaste Kaut., 16(6):432-3 (1969) (Ger)
- Buniyat-Zade, A.A.; Kakhramanov, N.T.; Efendieva, T.Z.; et al.
Determination of Bound Acrylonitrile by IR Analysis in Polyolefin-based Graft Copolymers.
Azerb. Khim. Zh., (4):82-5 (1974) (Rus)

- H Burke, W.J.
Control of Health Hazards in the Industrial Handling of Chemicals.
Ind. Bull. N.Y. State Dep. Labor, 24(6):207-17 (Jun. 1945)
- H Butuc, A.
New Aspects of the Treatment of Acrylonitrile Poisoning.
Mater. Plast., 6(2):106-8 (Apr. 1969)
- H Byrne, J.A.
British Slash Exposure Limit to Acrylonitrile for Workers.
Daily News Record, 9(91):2 (May 1979)
- H Campbell, D.N.; Moore, R.H.
The Quantitative Determination of Acrylonitrile, Acrolein, Acetonitrile, and Acetone in Workplace Air.
Am. Ind. Hyg. Assoc. J., 40(10):904-9 (1979)
- Campbell, R.L.
Determining Trace Quantities of Acrylonitrile in Air.
Symposium: Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy. Cleveland, OH, Mar. 5-9, 1979.
- H Camussi, G.; Segoloni, G.; Potunno, M.; et al.
Mechanism Involved in Acute Granulocytopenia in Hemodialysis. Cell-Membrane Direct Interactions.
Int. J. Artif. Organs, 1(3):123-7 (May 1978)
- Cantoni, G.; Senati, U.
New Technology for Nitrile Rubber Production.
Ind. D. Gomma, 24(4):43-6 (Apr. 1980) (Ita)
- H Capurro, P.U.
Cancer in a Community Subject to Air Pollution by Solvent Vapors.
Clin. Toxicol., 14(3):285-94 (1979)
- H Carpenter, C.P.; Smyth, H.F. Jr.; Pozzani, U.C.
The Assay of Acute Vapor Toxicity, and the Grading and Interpretation of Results on Ninety-six Chemical Compounds.
J. Ind. Hyg. Toxicol., 31:343-6 (1949)

- Carson, P.A.; Mumford, C.J.
H Major Hazards in the Chemical Industry: I. Their Definition and Significance.
J. Occup. Accid., 2(1):1-24 (1978)
- Carson, P.A.; Mumford, C.J.
H Major Hazards in the Chemical Industry. II. Their Identification and Control.
J. Occup. Accid., 2(2):85-98 (1979)
- Casper, R.H.
H Special Analytical Methods with Respect to Industrial Hygiene.
Proceedings: Annual Meeting of the International Institute of Synthetic Rubber Production. 18(6):15 pp. (1977)
- Cassisa, G.; Lo Casto, E.
E Petroliferous Transport and Pollution of the Mediterranean Sea.
Ingegneria, 52(9):305-18 (1977) (Ita)
- Chaigneau, M.; Le Moan, G.
H Toxicity of Plastics Combustion Products. II.
Ann. Pharm. Fr., 35(5-6):153-9 (1977) (Fre)
- Chekhovskaya, E.V.; Nazarenko, G.P.
E Purifying Waste Water from the Japanese Modification of Acrylonitrile Production.
Teor. Prakt. Biol. Samoochishcheniya Zagryaz. Vod. Tr. Vses. Soveshch. Vop. Sanit. Gidrobiol., pp. 124-7 (1969) (Rus)
- Chekhovskaya, E.V.; Gorban, N.; Yakovleva, L.I.; et al.
E Data for Experimental Studies of Toxicity of Waste Waters from Acrylonitrile Production.
Vodosnabzh. Kanaliz. Gidrotekh. Sooruzh. Mezhued. Resp. Nauch. Sb., (1):83-8 (1966) (Rus)
- Chemical Industries Association
H Acrylonitrile-Background Brief
Polym. Paint Col. J., 168(3973):365 (Apr. 19, 1978)

- E Chernov, V.M.; Sidorova, L.F.
Automatic Monitoring of the Electrical Deposition of Copper from Wastewaters from Acrylic Acid Nitrile Production.
 Nauchn. Issled. Oblasti Fiziko-khimicheskoi Ochkistki
 Promyshlennyykh Stoknykh Vod Tr. Inst., pp. 48-51 (1979)
- H Chernova, T.V.
Hygienic Evaluation of SNP-2P Polystyrene Containers Intended for Packaging Foodstuffs.
 Vopr. Pitan., 30(5):56-8 (1971) (Rus)
- Chigneau, M.
Gas Emitted by the Pyrolysis of Different Plastic Materials at 1000 Degrees.
 C. R. Acad. Sci. Ser. C., 278(2):109-11 (1974) (Fre)
- H Chobot, A.M.
Menstrual Function in Workers of the Polyacrylonitrile Fiber Industry.
 Zdravookhr. Beloruss., (2):24-7 (1979) (Rus)
- Chopra, S.K.; Vishnoi, S.C.; Kapoor, V.R.; et al.
A Gas Chromatographic Method for the Estimation of Residual Monomers in Styrene-acrylonitrile Copolymer.
 Res. Ind., 23(1):27-30 (1978)
- H Chudy, J.C.; Crosby, N.T.
Some Observations on the Determination of Monomer Residues in Foods.
 Food Cosmet. Toxicol., 15(6):547-51 (1977)
- Clinton, M.
Acrylonitrile.
 Toxicol. Rev., 3pp. (Sep. 1948)
- H Connor, T.H.; Fort, G.C.; Sitra, P.; et al.
Bile As a Source of Mutagenic Metabolites Produced In Vivo and Detected by Salmonella typhimurium.
 Environ. Mutagen., 1(3):269-76 (1979)

- Cornish, H.
- H Toxicity of Thermal-Degradation Products of Plastics.
Symposium: Production of Combustible (Plastics) Building
Material. Lancaster, PA: Armstrong Cork Co., pp. 30-3 (1973)
- Courtney, J.M.; Park, G.B.; Prentice, C.R.M.; et al.
- H Polymer Modification and Blood Compatibility.
J. Bioeng., 2(3-4):241-9 (Jun. 1978)
- Courtney, J.M.; Park, G.B.; Smith, E.M.; et al.
- H Polymer Surface Modification and Blood Compatibility.
Symposium: SCI Plastics & Polymer Group. Polymer Surfaces.
Durham University, Mar. 1977. p. 3
- Covic-Horvat, S.; Vrzina, J.; Sateva, M.
- E Determination of Acrylonitrile in Waste Waters.
Nufta, 21(2):29-81 (1970) (Hun)
- Crapnell, S.
- H Occupational Disease Disclosures - More Future Shocks?
Occup. Hazards, 39(13):51-4, 56 (1977)
- Crouch, F.; Wilson, R.
- H Interspecies Comparison of Carcinogenic Potency.
J. Toxicol. Environ. Health, 5(6):1095-118 (1979)
- Czajkowska, T.
- H Acrylonitrile Metabolite Excretion Following One-Time Exposure.
Medyczna Pracz, 22(4):381-5 (1971)
- Dahm, D.B.; Pilie, R.J.; Laformara, J.P.
- E Technology for Managing Spills on Land and Water.
Environ. Sci. Technol., 8(13):1076-9 (1974)
- Dainippon Ink and Chemicals, Inc.
Baba, T.; Aigami, Y.; Ichikawa, T.
- E Treatment of Wastewater from Polymer Industry.
Japan, Patent No. 75 61375
May 26, 1975

- H D'Angelo, A.M.; Signorile, G.
Study of the Toxicity of Methyl Acrylate and Acrylonitrile In Vitro on Some Planktonic Crustacea.
 Ig. Mod., 71(8):973-9 (1978) (Ita)
- H Danto, H.N.;
 Foxboro Analytical & Energetics Scie.
What's Available for Monitoring In-Plant Air.
 Pollut. Eng., 11(4):55 (Apr. 1979)
- E Daugherty, F.M. Jr.; Garrett, J.T.
Toxicity Levels of Hydrocyanic Acid and Some Industrial By-Products.
 Texas J. Sci., 3:391-6 (1951)
- H Davis, D.L.; Magee, B.H.
Letter: Cancer and Industrial Chemical Production.
 Science, 206(4425):1356-7 (1979)
- H Davis, J.H.; Davies, J.E.; Raffonelli, A.; et al.
The Investigation of Fatal Acrylonitrile Intoxications.
 In: Pesticides and the Environment: A Continuing Controversy.
 Intercontinental Med. Book Corp., 2:547-56 (1973)
- E Dawson, G.W.; Shuckrow, A.J.; Swift, W.H.; et al.
Control of Spillage of Hazardous Polluting Substances.
 U.S. Fed. Water Quality Admin. Water Pollut. Contr. Res. Ser.
 Rep., 15090:408 (Nov. 1, 1970)
- H Delivanova, S.; Popovski, P.; Orusev, T.
Blepharoconjunctivitis in Workers of the Polyacrylonitrile Synthetic Fiber Industry.
 God. Zb. Med. Fak. Skopje., 24:279-82 (1978)
- Deloche, M.F.
Volumetric Dosage of Free Acrylonitrile in Nitrile Rubber Latex.
 Caout. Plast., 56(589):87-8 (Mar. 1979) (Fre)
- H De Meester, C.; Duverger-Van Bogaert, M.; Lambotte-Vandepaer, M.; et al.
Liver Extract Mediated Mutagenicity of Acrylonitrile.
 Toxicology, 13(1):7-15 (1979)

- De Meester, C.; Lambotte-Vandepaer, M.; Duverger-Van Bogaert, M.; et al.
Factors Influencing the Mutagenic Activity of Styrene in the Ames Test.
 Symposium: 2nd International Congress on Toxicology. Brussels, Belgium, Jul. 6-11, 1980.
- H De Meester, C.; Poncelet, F.; Roberfroid, M.; et al.
Mutagenic Activity of Acrylonitrile. A Preliminary Study.
 Arch. Int. Physiol. Biochim., 86(2):418-9 (1978)
- H De Meester, C.; Poncelet, F.; Roberfroid, M.; et al.
Mutagenicity of Acrylonitrile.
 Toxicology, 11(1):19-27 (1978)
- H De Meester, C.; Poncelet, F.; Roberfroid, M.; et al.
Impact of Microsomal Enzymes on the Mutagenicity of Acrylonitrile, Butadiene, and Styrene.
 Mutat. Res., 64:132 (1979)
- Deur-Siftar, D.; Svob, V.
Procedure for Gas Chromatographic Determination of Acrylonitrile As a Residual Monomer in Polymerization Process Waste Waters and in Polymers.
 Kem. Ind., 25(12):703-8 (1976) (Hun)
- Deutsch, K.; Schimke, D.; Neugebauer, B.; et al.
Identification and Determination of By-Products of the Acrylonitrile Synthesis.
 J. Prakt. Chem., 321(1):137-40 (1979)
- E Di Geronimo, M.J.; Antoine, A.D.
Metabolism of Nitrile Compounds by a Gram Negative Nonmotile Rod Shaped Bacterium.
 Symposium: Annual Meeting of the American Society of Microbiology. 1974.
- E Di Geronimo, M.J.; Antoine, A.D.
Metabolism of Acetonitrile and Propionitrile by Nocardia Rhodochrous LL100-21.
 Appl. Environ. Microbiol., 31(6):900-6 (1976)

- Di Lorenzo, A.; Russo, G.
Gas Chromatographic Analysis of Mixtures of Acrylonitrile with Acetonitrile and Water.
 Chem. Ind., 51(2):170-1 (1969) (Ita)
- Dimov, K.; Garvanska, R.; Pavlov, P., et al.
Improvement Possibility of Antistatic Behavior of Fibers Consisting of Polycaprolactum.
 Acta Polymerica, 30(6):356-9 (Jun. 1979) (Ger)
- H Dinu, V.
Activity of Glutathione Peroxidase and Catalase and the Concentration of Lipid Peroxides in Acute Intoxication with Acrylonitrile.
 Rev. Roum. Biochim., 12(1):11-4 (1975)
- H Dinu, V.
Intracellular Thiol Concentration in Acrylonitrile Intoxication.
 Rev. Roum. Biochim., 12(3):155-8 (1975)
- H Dinu, V.
Catalase Activity and Glutathione and Lactic Acid Concentrations in Rats Acutely Poisoned by Acrylonitrile.
 J. Pharmacol., 7(2):223-6 (1976) (Fre)
- Di Pasquale, G.; Di Iorio, G.; Capaccioli, T.; et al.
Gas Chromatographic Head-Space Determination of Residual Acrylonitrile in Acrylonitrile-butadiene-styrene Resins and Migration into a Simulated Fatty Foodstuffs Liquid.
 J. Chromatogr., 160(1):133-40 (1978)
- H Dixler, D.S.
Evaluation and Health Aspects of Barrier Resins.
 Abstracts of Papers, American Chemical Society, 171(Centennial), CMEC 15 (1976)
- Dmitriyev, M.T.; Kitrossky, N.A.
Ionization-Chromatographic Determination of Nitriles in the Atmosphere.
 Gig. Sanit., 35(8):63-7 (1970) (Rus)

- H Dolezel, B.
Biochemical Degradation of Polymers in Living Organisms.
Plasty Kauc., 13(9):257-9 (Sep. 1976) (Cze)
- H Dovzhanskii, I.S.
Role of Detergent DNS-AK in the Prevention of Dermatitis Caused by Acrylonitrile.
Tr. Permsk. Gos. Med. Inst., 133:107-10 (1975) (Rus)
- H Dovzhanskii, I.S.
Dermatosis Sickness Rate of Workers Having Contact with Acrylates.
Gig. Tr. Prof. Zabol., (1):40-1 (1976) (Rus)
- H Dovzhanskii, I.S.
Immunoglobulins in Workers in Contact with Acrylates.
Gig. Sanit., (3):61-3 (1976)
- H Dudley, H.C.; Neal, P.A.
Toxicology of Acrylonitrile I. A Study of Acute Toxicity.
J. Ind. Hyg. Toxicol., 24(2):27-36 (1942)
- H Dudley, H.C.; Sweeney, T.R.; Miller, J.W.
Toxicology of Acrylonitrile II. Studies of Effects of Daily Inhalation.
J. Ind. Hyg. Toxicol., 24:255-8 (Nov. 1942)
- H Dumas, T.
Penetration of Food Materials with a Methylbromide-Acrylonitrile Mixture.
J. Agric. Food Chem., 25(3):677-80 (May-Jun. 1977)
- H Duncan, N.E.; Janz, G.J.
Determination of Acrylonitrile in Colored Solutions.
Anal. Chem., 25:1410-1 (1953)
- H DuPont de Nemours, E.I. and Co.
Acrylonitrile Cancer Risk Shown by Du Pont Study.
Chem. Age, 114(3019):1 (May 27, 1977)

- H DuPont de Nemours, E.I. and Co.
Acrylonitrile and Human Cancer.
Am. Ind. Hyg. Assoc. J., 38(8):A46-7 (1977)
- H DuPont de Nemours, E.I. and Co.
Another Blow for Nitriles.
Mod. Plast. Int., 7(7):24 (Jul. 1977)
- E DuPont de Nemours, E.I. and Co.
Thorpe, J.A.; Porter, H.F.
Recovery of Products from a Waste Stream in the Manufacture of Acrylonitrile.
United States, Patent No. 4065486
Dec. 27, 1977
- H Duverger-Van Bogaert, M.; Lambotte-Vandepaer, M.; De Meester, C.; et al.
Effect of Several Factors on the Liver Extract Mediated Mutagenicity of Acrylonitrile and Identification of Four New In Vitro Metabolites.
Toxicol. Lett. (Amst.), 7(4-5):311-20 (1980)
- H Duverger-Van Bogaert, M.; Lambotte-Vandepaer, M.; De Meester, C.; et al.
Effect of Various factors Influencing the Mutagenicity of Acrylonitrile.
Symposium: 9th Annual Meeting of the European Environmental Mutagen Society. Markaska, Yugoslavia, Sept. 30 - Oct. 5, 1979.
Mutat. Res., 74(3):207 (1980)
- H Duverger-Van Bogaert, M.; Lambotte-Vandepaer, M.; De Meester, C.; et al.
Mutagenicity of Acrylonitrile: A New Experimental Approach to Investigate the Activation Mechanism.
Arch. Int. Physiol. Biochim., 88(1):B29-30 (1980)
- H Duverger-Van Bogaert, M.; Lambotte-Vandepaer, M.; Noel, G.; et al.
Biochemical Effects of Acrylonitrile on the Rat Liver, As Influenced by Various Pretreatments of the Animals.
Biochem. Biophys. Res. Commun., 83(3):1117-24 (1978)

- Dyck, M.F.; Winters, P.R.
H Lytic Effects of Plastic Surfaces on Erythrocytes.
J. Biomed. Mater. Res., 5(3):207-23 (1971)
- Effenberger, E.
H Toxic Effects of the Combustion Products of Plastics.
Staedtehygiene, 23(12):275-80 (1972) (Ger)
- Efremov, A.M.
H Activity of Catalase, Peroxidase, and Sulfhydryl Groups of the Brain, Liver, and Blood in White Rats Poisoned with Acrylonitrile.
Gig. Tr. Okhr. Zdorov'ya Rab. Neft. Neftekhim. Prom-sti., 9:123-4 (1976) (Rus)
- Efremov, A.M.
H State of Protective Adaptive Reactions in White Rats Poisoned with Acrylonitrile.
Gig. Tr. Okhr. Zdorov'ya Rab. Neft. Neftekhim. Prom-sti., 9:120-2 (1976) (Rus)
- Efremov, A.M.
H Study of the Biotransformation of Acrylonitriles in Animals.
Zdravoskhr. Beloruss., (7):85-6 (1976) (Rus)
- Efremov, A.M.
H Study of the Free Radicals of the Blood, Brain, Liver, and Spleen of White Rats Subjected to Chronic Acrylonitrile Poisoning.
Zdravookhr. Beloruss., (6):86 (1976) (Rus)
- Egorov, Yu.L.; Shvedchenko, V.S.; Mondoev, G.L.; et al.
H Criteria of the Hazard of the Penetration of Industrial Poisons into the Body through the Skin.
Gig. Tr. Prof. Zabol., (10):5-10 (1976)
- Elias, P.S.
H The Medical Significance of Marine Pollution by Organic Chemicals.
Proc. R. Soc. London Ser. B., 189(1096):443-58 (1975)

- Ely, R.B.
E Wet Air Oxidation.
Pollut. Eng., 5(5):37-8 (May 1973)
- Enikeeva, N.A.; Ostrovskaya, R.S.; Sysa, L.V.; et al.
H Industrial Hygiene and Health Status of Workers Involved in the
Manufacture of the Synthetic Fiber Nitron.
Gig. Tr. Okhr. Zdorov'ya Rab. Neft. Neftekhim. Prom-sti., 9:22-5
(1976) (Rus)
- Erdoelchemie G.m.b.H.
Hausweiler, A.; Mayer, A.; Bitners, F.
E Process for the Purification of Waste from Acrylonitrile
Production.
United States, Patent No. 4059492
Nov. 1977
- Erdoelchemie G.m.b.H.
Ennenbach, K.H.; Schorsch, R.; Mayer, A.
E Removal of Nitrogen Compounds from Waste Water from
Acrylonitrile Manufacture.
Germany, Patent No. 2615036
Oct. 27, 1977
- Falb, R.D.; Grode, G.A.; Luttinger, M.; et al.
H Development of Blood-Compatible Polymeric Materials.
Symposium: Battelle Memorial Institute. Columbus, OH, Jun. 22,
1966. 80 pp.
- Farooqui, M.Y.H.; Ahmed, A.E.
H Molecular Interaction of Acrylonitrile and KCN with Rat Red
Blood Cells.
Symposium: 64th Annual Meeting of the Federation of American
Societies for Experimental Biology. Anaheim, CA, Apr. 13-18,
1980. Paper No. 2545.
- Farooqui, M.Y.H.; Ahmed, A.E.
H Molecular Interaction of Acrylonitrile and KCN with Rat Red
Blood Cells.
Fed. Proc., 39(3):749 (1980)

- H Farooqui, M.Y.H.; Ahmed, A.E.
Effect of Acrylonitrile and Potassium Cyanide on Red-Cell Metabolism.
Fed. Proc., 40(3):678 (1981)
- Fasitta, V.A.; Licciardello, G.
Determination of Acetonitrile and Acrylonitrile in the Air by Gas Chromatography.
Ann. Ist. Super. Sanita., 13(1-2):245-8 (1977) (Ita)
- E Faust, S.D.
Chemical Mechanisms Affecting the Fate of Organic Pollutants in Natural Aquatic Environments.
Symposium: 165th National American Chemical Society Meeting in the Environmental Chemistry Division. Philadelphia, PA, Apr. 1975.
Advances in Environmental Science and Technology, Vol. 8. Fate of Pollutants in the Air and Water Environments. Part 2. Chemical and Biological Fate of Pollutants in the Environment. Edited by Suffet, I.H. New York, NY: John Wiley & Sons, Inc., pp. 317-65, 1977
- H Fedorchuk, S.Y.
Functional State of the Skin of Female Sewing Factory Workers Engaged in Manufacturing Products from Textiles Containing Synthetic Fibers.
Nauchno-Issled. Tr. Tsent. Nauchno-Issled. Inst. Shueinoi Prom-sti., 24:35-9 (1973) (Rus)
- E Feiler, H.D.; Vernick, A.S.; Storch, P.J.
Fate of Priority Pollutants in POTW's.
Proc. Natl. Conf. Munic. Sludge Manage., 8:72-81 (1979)
- H Ferin, J.; Urbankova, G.; Vlckova, A.
Hygienic and Toxicological Problems of Acrylonitrile and Dimethylformamide.
Prac. Lek., 13:431-7 (1961)
- Ferre, F.
Determination of Acrylonitrile in the Workplace Air: Survey of the Methods in Use in the Industry.
Symposium: International Rubber Conference. Milan, Italy, 1979. pp. 867-75

- Ferre, F.
Determination of Acrylonitrile in the Workplace Atmosphere.
 Ind. D. Gomma., 23(11):48-50 (Nov. 1979) (Ita)
- H Fishlock, D.
Industrial Chemical May Menace Health.
 Financial Times, (27128):6 (Jan. 24, 1977)
- H Fluck, E.R.; Poirier, L.A.; Ruelius, H.W.
Evaluation of a DNA Polymerase-deficient Mutant of E. coli for the Rapid Detection of Carcinogens.
 Chem. Biol. Interact., 15:219-31 (1976)
- H France, C.R.
Carcinogenic Risk of Acrylonitrile.
 Cah. Notes Doc., 94:19-21 (1979) (Fre)
- H Franzen, E.; Wagner, G.
Gel Chromatographic and Electrophoretic Serum Protein Pattern in Rats Following Acute Acrylonitrile Intoxication.
 Z. Gesamte. Hyg., 24(7):534-7 (1978) (Ger)
- Freeman, R.A.; Frederick, E.R.
Stripping of Hazardous Chemicals from Surface Aerated Waste Treatment Basins.
 Proceedings: Control Specific (Toxic) Pollution. Pittsburgh, PA, 1979. pp. 464-81
- H Freshour, N.L.; Ramsey, J.C.; Braun, W.H.
Acrylonitrile: Pharmacokinetic Profile in Rat Plasma after Single Oral or Intravenous Administration.
 Symposium: 19th Annual Meeting of the Society of Toxicology. Washington, DC, Mar. 9-13, 1980. Paper No. 179.
- E Garrison, P.F.
Preliminary Studies on the Effects of Acrylonitrile and Potassium Thiocyanate on the Seagrass Ruppia-maritima Potamogetonaceae.
 Assoc. Southeast Biol. Bull., 25(2):68 (1978)

- Gawell, B.M.
Determination of Acrylonitrile Monomer in Plastic Packaging and Beverages by Headspace Gas Chromatography.
 Analyst, 104:106-10 (Feb. 1979)
- H Gawell, B.M.; Sandberg, E.C.
Acrylonitrile in Foodstuffs.
 Var. Foda., 31(3):169-72 (1979) (Swe)
- Gelman, C.; Mehta, D.V.; Meltzer, T.H.
New Filter Compositions for the Analysis of Airborne Particulate and Trace Metals.
 Am. Ind. Hyg. Assoc. J., 40(10):926-32 (Oct. 1979)
- E Gherisin, Z.; Stitzl, A.; Manea, R.
Comparative Study of Titrimetric and Colorimetric Methods for Determining Acrylonitrile in Waste Waters.
 Rev. Chim., 20(11):689-94 (1969) (Rom)
- H Ghiringhelli, L.
Acrylonitrile. Toxicity and Mechanism of Action.
 Med. Lav., 45:305-12 (1954) (Ita)
- H Ghiringhelli, L.
A Comparative Study on the Toxicity of Certain Nitryls and Certain Amides.
 Med. Lav., 47(3):192-9
- H Giacin, J.R.
Tracking Down Those Toxics.
 Package Eng., 25(5):70-9 (May 1980)
- E Giacin, K.; Gilbert, S.; Antoine, A.D.
Utilization of Acrylonitrile Based Polymers and Related Monomers by Soil Fungi.
 Symposium: Annual Meeting of the American Society of Microbiology. 1973.
- H Gilbert, S.G.
Migration of Indirect Food Additives.
 Symposium: International Congress of Food Science and Technology. 1978. p. 92

- Gilbert, S.G.
H A Scientific Basis for Regulation of Indirect Food Additives from Packaging Materials.
J. Food Quality, 2(4):251-6 (Dec. 1979)
- Gilbert, S.G.; Miltz, J.; Giacin, J.R.
H Transport Considerations of Potential Migrants from Food Packaging Materials.
J. Food Process. Preserv., 4(1-2):27-49 (1980)
- Gisclard, J.B.; Robinson, D.B.; Kuczo, P.J. Jr.
E A Rapid Empirical Procedure for the Determination of Acrylonitrile and Acrylic Esters in the Atmosphere.
Am. Ind. Hyg. Assn. J., 19:43-5 (Feb. 1958)
- Going, J.
Determination of Acrylonitrile in Water at the PPB Level.
Symposium: Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy. Cleveland, OH, Mar. 5-9, 1979.
- Going, J.; Kuykendall, P.; Onstot, J.; et al.
E Sampling and Analysis for Acrylonitrile in Ambient Air.
Symposium: 176th National Meeting of the American Chemical Society. Miami Beach, FL, Sep. 10-15, 1978.
Am. Chem. Soc., Div. Environ. Chem. Prepr., 18(2):288-90 (1978)
- Gomez, R.; Galarza, B.
H Quantitative Determination of Acrylonitrile in Work Areas and Interference with the Determination by More Common Solvents.
Trab. Simp. Hig. Ind., 2:495-506 (1979) (Spa)
- Goncharova, L.N.; Vainfel'd, I.E.; Golovacheva, T.V.; et al.
H Disorders in Automatism, Excitability, and Conductivity under the Long-Term Effects of Subthreshold Concentrations of Some Chemical Substances.
Kardiologiya, 17(5):128-33 (1977) (Rus)
- Graczyk, J.; Zwierzchowski, Z.
H Effect of Acute Experimental Poisoning with Acrylonitrile on the Pressor Responses to Adrenaline, Noradrenaline, and Acetylcholine.
Med. Pr., 24(2):151-8 (1973) (Pol)

- Graham, J.D.
H Hydroxycobalamin As an Antidote to Acrylonitrile.
Toxicol. Appl. Pharmacol., 7(3):367-72 (1965)
- Grahi, V.R.
H Toxicology and Mode of Action of Acrylonitrile.
Zentralbl. Arbeitsmed. Arbeitsschutz, 20(12):639-78 (1970)
- Grbic, D.; Munjko, I.
E Influence of Acrylonitrile upon Growth and Some Characteristics
of Streptomyces and Molds.
Mikrobiologija, 14(1):9-19 (1977)
- Gupta, M.K.
Development of a Mobile Treatment System for Handling Spilled
Hazardous Materials.
U.S. NTIS, PB-256707, 86 pp. (1976)
- Gut, I.; Kopecky, J.; Filip, J.
H Acrylonitrile - C14 Metabolism in Rats: Effect on the
Elimination of Thiocyanate and Other Radioactive Metabolites in
Urine and Feces.
Hyg. Epidemiol. Microbiol. Immunol., 25:12 (1981)
- Gut, I.; Kopecky, J.; Nerudova, J.; et al.
H Metabolism and Toxicity of Acrylonitrile.
Prac. Lek., 28(4):110-8 (1976) (Cze)
- Gut, I.; Nerudova, J.; Kopecky, J.; et al.
H Acrylonitrile Biotransformation in Rats, Mice, and Chinese
Hamsters As Influenced by the Route of Administration and by
Phenobarbital, SKF 525-A, Cysteine, Dimercaprol, or Thiosulfate.
Arch. Toxicol., 33(2):151-61 (1975)
- Haguenoer, J.M.; Fromont, B.; Dequidt, J.
H Experimental Poisoning with Acrylonitrile.
Bull. Soc. Pharm., (2-3):101-10 (1974) (Fre)
- Hall, M.E.; Stevens, J.W. Jr.
Spectrophotometric Determination of Acrylonitrile.
Anal. Chem., 49(14):2277-80 (Dec. 1977)

- H Hamilton, A.
Forty Years in the Poisonous Trades.
Am. Ind. Hyg. Assoc. Q., 9(1):5-17 (Mar. 1948)
- H Hardy, H.; Leahy, J.E.; Kazemi, H.
Impaired Pulmonary Function Following an Unusual Railroad Accident.
Prac. Lek., 24(2-3):70-3 (1972)
- H Harkness, M.L.; et al.
An Effect of Cyanide and Nitriles on Connective Tissue.
Nature, 205:912-3 (1965)
- E Harsh, K.M.
In Situ Neutralization of an Acrylonitrile Spill.
Symposium: National Conference on Control of Hazardous Material Spills. Miami Beach, FL, Apr. 11-13, 1978. pp 187-9
- H Hashimoto, K.
Acrylonitrile Intoxication. IV. Effect of Daily Inhalation of Acrylonitrile on Body Weight, Activity, and Hemograms of Mice.
Rodo Kagaku Kiho, 10(1-4):11-6 (1962) (Jpn)
- H Hashimoto, K.
Toxicology of Acrylonitrile.
Jpn. J. Ind. Health, 22(5):327-47 (1980) (Jpn)
- H Hashimoto, K.; Kanani, R.
Studies on the Toxicology of Acrylonitrile: Metabolism, Mode of Action, and Therapy.
Ind. Health, 3(1-2):30-46 (1965)
- H Hashimoto, K.; Kanani, R.
Effect of Acrylonitrile on Sulphydryls and Pyruvate Metabolism in Tissues.
Biochem. Pharmacol., 21(5):635-40 (1972)
- Haslem, J.; Newlands, G.
Determination of Acrylonitrile in Air.
Analyst, 80:50-3 (Jan. 1955)

- Heald, A.F.
E Effect of Acrylonitrile on Hydrogen-Peroxide Production, Growth, and Respiration of Streptococcus Fecalis.
Dissertation for Ph.D., Rutgers University, the State University of New Jersey (New Brunswick) (1980)
Diss. Abstr. Int., 40(12-B):5544 (1980)
- Heinonen, T.; Zitting, A.
H Decrease of Reduced Glutathione in Isolated Rat Hepatocytes Caused by Acrolein, Acrylonitrile, and the Thermal Degradation Products of Styrene Copolymers.
Toxicology, 17(3):333 (1980)
- Hemminki, K.
H Occupational Chemicals Tested for Teratogenicity.
Int. Arch. Occup. Environ. Health, 47(3):191-207 (1980)
- Hemminki, K.; Sorsa, M.; Vainio, H.
H Genetic Risks Caused by Occupational Chemicals.
Scand. J. Work Environ. Health, 5(4):307-27 (1979)
- Henkel, W.; Meletzko, G.
H Output Study on Rats Subjected to the Combined Activity of Noise and Acrylonitrile.
Z. Gesamte Hyg., 20(7):401-3 (1974) (Ger)
- Henning, H.F.
H Toxicity of Polymers and Polymer Raw Materials.
Chem. Industr., (11):463-4 (1976)
- Heuser, S.G.
Determination of Residues Arising from Fumigation Practice.
Pestic. Sci., 4(3):409-16 (1973)
- Heuser, S.G.; Scudamore, K.A.
Determination of Residual Acrylonitrile, Carbon Disulphide, Carbon Tetrachloride, and Ethylene Dichloride in Cereals after Fumigation.
Chem. Ind., 34:1154-7 (1968)

- Hilado, C.J.
H Comparison of Results with the USF/NASA and FAA/CAMI Toxicity Screening Test Methods.
J. Combust. Toxicol., 4(1):56-60 (1977)
- Hilado, C.J.
H Toxicity of Pyrolysis Gases from Materials.
SAMPE Q., 9(3):14-5 (1978)
- Hilado, C.J.
H Toxicity of Pyrolysis Gases from Materials.
Proceedings: 23rd National Symposium of the Society for Advancement of Materials and Process Engineering. CA, May 2-4, 1978. p. 925
- Hilado, C.J.; Huttlinger, N.V.
Relative Toxicity of Gases from Overheating of Rubbers and Plastics.
J. Elastomers Plast., 12:94-103 (Apr. 1980)
- Hilado, C.J.; Kosola, K.L.; Solis, A.N.
H Effect of Heating Rate on Toxicity of Pyrolysis Gases from Some Elastomers.
J. Combust. Toxicol., 4(4):563-78 (1977)
- Hilado, C.J.; Cumming, H.J.; Schneider, J.E.; et al.
H ALC50 Values for Materials under Pyrolysis Conditions.
Proc. West. Pharmacol. Soc., 21:167-70 (1978)
- Hilado, C.J.; Kosola, K.L.; Solis, A.N.; et al.
H Toxicity of Pyrolysis Gases from Elastomers.
U.S. NTIS, 78-16096 (1977)
- Hilborn, J.C.; Findlay, W.J.; Quickert, N.
The Application of Chemiluminescence to the Measurement of Reactive Hydrocarbons in Ambient Air.
Int. Conf. Environ. Sensing Assess., 2(21):3 (1976)
- Hoffmann, P.; Mletzko, H.G.
H Liver Respiration of Rats under the Combined Effect of Noise and Acrylonitrile.
Z. Gesamte Hyg. Grenzgeb., 18(3):166-8 (1972)

- H Hoffmann, P.; Klein, D.; Franzen, E.
On the Proof of Acrylonitrile Exposure: Detoxification of Acrylonitrile by Coupling with d Glucuronic Acid.
Z. Ges. Hyg., 22(5):310-2 (1976) (Ger)
- H Hofmann, W.
Problems of Environmental Protection at the Application of Synthetic Rubber and Rubber Chemicals.
Gummi Asbest. Kunstst., 27(8):624-32 (1974) (Ger)
- Hort, N.
New Eczematogens.
Dermatol. Venerol., 18(3):133-6 (1979) (Bul)
- E Hubbs, S.A.
Case History and Contingency Plan for Toxic Spills on the Ohio River.
Symposium: 1978 National Conference on Control of Hazardous Material Spills. Miami Beach, FL, Apr. 11-13, 1978. pp. 178-81
- E Hughes, T.W.; Horn, D.A.
Source Assessment: Acrylonitrile Manufacture.
U.S. NTIS, PB-271969, 123 pp. (1977)
- H Humiston, C.G.; Frauson, L.O.; et al.
A 90-Day Oral Toxicity Study Incorporating Acrylonitrile in the Drinking Water of Rats.
Midland, MI: Dow Chemical Toxicology Research Laboratory, p. (1975)
- H Iffenecker, R.
Modern Packaging of Margarine. Effect on Product Quality.
Rev. Fr. Corps Gras, 27(6):275-8 (1980) (Fre)
- E Imperial Chemical Industries Ltd.
Biological Purification of Effluents by the Deep-Well Method.
Inf. Chim., (186):147-51 (Jan.-Feb. 1979) (Fre)
- H Institute National de Recherche et de Securite
Carcinogenic Risk of Acrylonitrile.
Cah. Notes Doc., 94:19-21 (1979) (Fre)

- Ionescu, M.; Marconi, S.
 E The Toxic Action of Acrylonitrile on Fish.
 Stud. Prot. Calitatii Apelor, 16:1-22 (1974)
 Water Res. Cent., 3(13) No. 76-10255 (Mar. 30, 1976)
- Isaacs, M.
 E Chemical Plants Make Major Gains in Pollution Control.
 Chem. Proc., 41(10):24-5 (Sep. 1978)
- Ishida, K.; Shigeta, A.; Endo, A.; et al.
Method of Measuring Harmful Gases.
 Okayamaken Kogai Boshi Center Kenkyu Hokoku, 2(1):7-11 (1974)
 (Jpn)
- Ishii, K.; Shigeta, F.
Studies on Nitrile Determination Method.
 Symposium: Environmental Protection and Pollution Prevention.
 Tokyo, Japan, Mar. 4, 1976.
- Ishizu, S.; Masavas, M.
 H An Experimental Study of Acrylonitrile Poisoning.
 Nippon Univ. Med. J., 28(1):126 (Apr. 1973) (Jpn)
- Ivanetich, K.M.; Lucas, S.; Marsh, J.A.; et al.
 H Organic Compounds: Their Interaction with and Degradation of
Hepatic Microsomal Drug Metabolizing Enzymes In Vitro.
 Drug Metab. Disposition, 6(3):218-25 (1978)
- Ivanov, V.V.; Grishchenko, D.A.; Klimatskava, L.G.
 H Blood Serum Enzymes in Evaluating the Nature of Liver Damage and
the Effectiveness of Chemotherapy Following Acrylonitrile
Poisoning.
 Vopr. Med. Khim., 25(6):715-8 (1979) (Rus)
- Ivanov, V.V.; Kuznetson, G.P.; Archakov, A.I.
 H Stimulation of Lipid Peroxidation by Acrylonitrile in Rat Liver
Tissue.
 Vopr. Med. Khim., 24(6):816-8 (1978) (Rus)
- Ivanov, V.V.; Zhirnov, G.F.; Bachmanova, G.I.; et al.
 H Interaction of Acrylonitrile with the Microsomal Oxidation
System in Rat Liver Tissue.
 Vopr. Med. Khim., 25(4):468-71 (1979) (Rus)

- Izard, C.; Testa, P.
H Effects of Cigarette Smoke and Certain of Its Components on the Motility and the Multiplication of *Donalicia bioculata*.
Ann. Dir. Etud. Equip., SEITA Serve. Exploit. Ind. Tab.
Allumettes, Sec. 1, 6:121-56 (1968) (Fre)
- Jacob, A.I.; Gavellas, G.; Zarco, R.; et al.
H Leukopenia Hypoxia and Complement Function with Different Hemodialysis Membranes.
Kidney Int., 18(4):505-9 (1980)
- Jacobs, H.W.; Syrjala, R.H.
H The Use of Infrared Analyzers for Monitoring Acrylonitrile.
Am. Ind. Hyg. Assoc., 39(2):161-5 (1978)
- Jaeger, R.J.
H Toxicity and Biochemical Changes in Rats after Inhalation Exposure to 1,1-Dichloroethylene, Bromobenzene, Styrene, Acrylonitrile, or 2-Chloro-Butadiene.
Symposium: 13th Annual Meeting of the Society of Toxicology.
Washington, DC, Mar. 10-14, 1974.
Toxicol. Appl. Pharmacol., (Jul. or Aug. 1974)
- Jaeger, R.J.
H Vinyl Chloride Monomer: Comments on Its Hepatotoxicity, and Interaction with 1,1-Dichloroethylene.
In: Toxicity of Vinyl Chloride-Polyvinyl Chloride. Edited by Selikoff, I.G.; Raymond, E.C. New York: New York Academy of Sciences, p. 150, 1975
- Jaeger, R.J.
H Effect of Hypoxia on Toxicity of 1,1-Dichloroethylene or Acrylonitrile.
Symposium: 17th Annual Meeting of the Society of Toxicology.
San Francisco, CA, Mar. 12-16, 1978.
Toxicol. Appl. Pharmacol., 45(1):257 (1978)
- Jaeger, R.J.
H Time-related Variation of Non-Protein Sulfhydryl Concentrations in Rat Tissues and Human Blood.
Int. Arch. Occup. Environ. Health, 42(3-4):141-8 (1979)

- Jaeger, R.J.; Conolly, R.B.; Murphy, S.D.
H Toxicity and Biochemical Changes in Rats after Inhalation Exposure to 1,1-Dichloroethylene, Bromobenzene, Styrene, Acrylonitrile, or 2-Chlorobutadiene.
Toxicol. Appl. Pharmacol., 29(1):81 (1974)
- Japan, Subcommittee on Permissible Concentrations
H Documentation of Permissible Concentrations of Hazardous Substances in Working Environment.
J. Ind. Health, 14(1):45-90 (1972)
- Jedlicka, V.; Pasek, A.; Gola, J.
E Pesticides in Foods. III. Acrylonitrile As a Food Insecticide.
J. Hyg. Epidemiol. Microbiol. Immunol., 2:116-25 (1958)
- Jeney, E.; Zsolnai, T.
E The Antimicrobial, Ascaricidal, and Molluscicidal Activities of Salicylanilide Analogs.
Zentralbl. Bacteriol. Parasitenkd. Infektionskr. Hyg. Abt. 1 Orig., 202(4):547-62 (1967)
- Jensen, R.A.
E A Simplified Bioassay Using Finfish for Estimating Potential Spill Damage.
Symposium: 1978 National Conference on Control of Hazardous Material Spills. Miami Beach, FL, Apr. 11-13, 1978. pp. 104-8
- Johnstone, F.E. Jr.; Morris, H.; et al.
E The Effect of Soil Conditioners on the Fields of Sweet Potatoes.
Proc. Amer. Soc. Hort. Sci., 70:403-6 (1957)
- Jones, J.F.
H Acrylonitrile and Foods.
Mod. Plast., 56(2):8 (1979)
- Judson, C.L.; Hokama, Y.; Bray, A.D.
E The Effects of Various Chemicals on Eggs of the Yellow-Fever Mosquito.
J. Econ. Entomol., 55:805-7 (1962)

- Juhnke, I.; Luedemann, D.
 E Results of the Study of 200 Chemical Compounds on Acute Fish Toxicity Using the Golden Orfe Test.
 Z. Wasser Abwasser Forsch., 11(5):161-4 (1978) (Ger)
- Kaeser, W.
 E Capability of Resistance of the Internal Mite of Honeybees and Its Possible Control.
 Z. Brenenforsch., 1:191-216 (1952) (Ger)
- Kaiser, E.R.; Bergman, F.
 E Combustion Characteristics of Lopac Containers.
 Symposium: Environmental Impact Nitrile Barrier Containers.
 St. Louis, MO, 1973.
 Edited by Wharton, F.D. Jr. pp. 87-98
- Kaiser, E.R.; Bergman, F.
 E Combustion Characteristics of Lopac AN/S Containers.
 Nuova Chim., 50(3):79-84 (1974) (Ita)
- Kanai, R.; Hashimoto, K.
 H Determination of Acrylonitrile, Cyanide, and Thiocyanate in Biological Materials.
 Ind. Health, 3(1-2):47-52 (1965)
- Kanebo Co., Ltd.
 Nakao, K.; Yamamoto, T.
Acrylonitrile Polymers.
 Japan, Patent No. 73 43388
 Dec. 18, 1973
- Kanevskaya, I.G.
 H Bio Resistance of Cotton-D with Polyacrylonitrile and Paper Produced from It.
 Mikol. Fitopatol., 5(3):302-3 (1971)
- Kankaanpaa, J.; Elovaara, E.
 H Embryotoxicity of Acrolein, Acrylonitrile, and Acrylamide in Developing Chick Embryos.
 Toxicology Letters, 4(2):93-6 (Aug. 1979)

- Karger-Kocsis, J.
H Current Research on Toxicology of Plastics Packaging Materials for Use in the Food Industry.
Verpackung, 21(4):131-3 (1980) (Ger)
- Keith, L.H.; Telliard, W.A.
H Priority Pollutants - 1. A Perspective View.
Environ. Sci. Technol., 13(4):416-23 (Apr. 1979)
- Kelsey, R.J.
H FDA Rewrites Nitrile Regulations; Establishes Food Migration Limits.
Fd. Drug Packag., 31(12):1,8 (Dec. 19, 1974)
- Kenaga, E.E.
E Time, Temperature, and Dosage Relation of Several Insecticidal Fumigants.
J. Econ. Entomol., 54(3):537-42 (1961)
- Keung, W.M.; Leung, W.W.; Kong, Y.C.
H Studies on the Status of Disulfide Linkages and Tyrosine Residues in Cardiotoxin.
Biochem. Biophys. Res. Commun., 66(1):383-92 (1975)
- Khromov, V.E.
H Detection of Circulating and Fixed Antibodies in the Diagnosis of Allergies of Chemical Etiology.
Vrach. Delo., (12):115-6 (1974) (Rus)
- Kiesselbach, N.; Korallus, U.; Lange, H.J.; et al.
H Acrylonitrile - Epidemiological Study - Bayer 1977.
Zentralbl. Abeitsmed., 29(10):256-9 (Oct. 1979)
- Kihlman, B.A.
H Cytological Effects of Phenylnitrosamines. 1. The Production of Structural Chromosome Changes in the Presence of Light and Acridine Orange.
Radiat. Bot., 1:35-42 (1961)

- Kimmerle, G.
H Methodology for Toxicological Analyses of Combustion Products.
Proceedings: International Symposium on the Physiological and
Toxicological Aspects of Combustible Products. National Academy
of Sciences. Washington, DC, 1974. pp. 130-50 (Pub. 1976)
- Kimmerle, G.
H Toxicity of Combustion Products with Particular Reference to
Polyurethane.
Ann. Occup. Hyg., 19(3-4):269-73 (1976)
- Kishitani, K.; Nakamura, K.
H Toxicities of Combustion Products.
J. Fire Flammability, 1(Suppl., Combust. Toxicol.):104-23 (May
1974)
- Kishitani, K.; Nakamura, K.
H Study on Toxicities of Combustion Products of Building Materials
at Initial Stage of Fire.
J. Fac. Eng. Univ. Tokyo Ser. B, 34(2):295-313 (1977)
- Kitagawa, Y.; Akira, F.
H Offensive Odor Investigation at the Industrial Waste Management
Plant.
Ann. Rept. Yamaguchi Prefect. Inst. Health, (16):93-4 (Mar.
1975) (Jpn)
- Kitagawa, Y.; Masatoshi, I.; Akio, S.; et al.
H Investigation Report on the Toxic Substances of Industrial Waste
Management Plant.
Ann. Rept. Yamaguchi Prefect. Inst. Health, (16):94-7 (Mar.
1975) (Jpn)
- Klimina, G.M.
H Study of the Single-Dose Effect of High Concentrations of
alpha-Methylstyrene and Acrylonitrile on the Cholinergic
Mediation System.
Narusheniya Metab. Tr. Nauchn. Konf. Med. Inst. Zapadn Sib.,
1:46-8 (1974) (Rus)
- Knobloch, K.; Szendzikowski, S.; Czajkowska, T.
H Chronic Toxicity of Acrylonitrile.
Med. Pr., 23(3):243-57 (1972) (Pol)

- H Knobloch, K.; Szendzikowski, S.; Czajkowska, T.; et al.
Acute and Subacute Toxicity of Acrylonitrile.
 Med. Pracy, 22(3):257-69 (1971)
- H Kojima, K.; Iwabochi, S.; Kojima, K.; et al.
Grafting of Methyl Methacrylate and Its Derivatives onto Blood.
 J. Polym. Sci. Part A-1, 9(11):3213-24 (1971)
- H Komanicky, P.; Szabo, S.; Melby, J.C.
Acrylonitrile-induced Impairment of Adrenocortical Function of the Rat - Time-Dependent and Dose-Dependent Response.
 Clin. Res., 29(2):A294 (1981)
- H Komarova, E.N.; Stepanenko, E.M.
Toxicological Characteristics of Products of the Thermal Decomposition of SN-28 and SN-28P.
 Plast. Massy, (12):39-40 (1963)
- H Komissarov, I.V.
Cumulative Properties of Acrylonitrile.
 Gig. Tr. Prof. Zabol., 4(1):36-8 (1960)
- H Kondo, M.
Sampling and Measurement of Organic Cyanogen Compounds (Acrylonitrile, Acetonitrile, Acetone Cyanohydrin).
 Kanyo Hoken Reporto (Environ. Health Rept.), (30):83-8 (Jul. 1974) (Jpn)
- H Kondo, M.; Tsutomu, N.; Kazuo, M.
Sampling and Quantitative Analysis of Organic Cyano Compounds in Air.
 Nihon Koshu Eisei Zasshi (Japan J. Public Health), 21(5):275-9 (May 1974)
- H Kopecky, J.
Acrylonitrile Metabolism in the Rat.
 Arch. Toxicol., (Suppl.) (May 1980)
- H Kopecky, J.; Gut, I.; Nerudova, J.; et al.
Acrylonitrile Metabolism in the Rat.
 Symposium: 21st Congress of the European Society of Toxicology. Dresden, East Germany, Jun. 11-13, 1979. 194 pp.

- H Kopecky, J.; Gut, I.; Nerudova, J.; et al.
Two Routes of Acrylonitrile Metabolism.
 J. Hyg. Epidemiol. Microbiol. Immunol. (Prague), 24(3):356-62
 (1980)
- H Kopecky, J.; Zachardova, D.; Gut, I.; et al.
Acrylonitrile Metabolism in the Rat In Vivo.
 Prac Lek., 31(6-7):203-7 (1979) (Cze)
- H Koppel, H.L.; Gealt, A.E.; Arin, M.L.; et al.
Monitoring Work Areas for Toxic and Flammable Hazards.
 Proceedings: 27th Annual ISA Conference, New York, NY, Oct.
 9-12, 1972.
- H Korzhova, I.T.; Kleshcheva, M.S.; Porodina, M.N.; et al.
Gas-Chromatographic Determination of Toxic Concentrations of
Styrene and Acrylonitrile Vapors during the Synthesis of
Polystyrene Plastics.
 Plast. Massy, (5):67-9 (1974) (Rus)
- E Kotova, V.N.; Komarova, T.P.; El'tsefon, B.S.
Effect of Dodecylmercaptan, Tert-Butyl Perbenzoate, and
Surfactants on the Combined Spectrophotometric Determination of
Styrene and Acrylonitrile in Aqueous Solutions.
 Khim. Farm. Zh., 6(4):53-6 (1972) (Rus)
- E Kotova, V.N.; Komarova, T.P.; El'tsefon, B.S.
Study of the Influence of Dodecylmercaptan, Tert-Butyl
Perbenzoate, and Surface Active Substances on the Joint
Spectrophotometric Determination of Styrene and Acrylonitrile in
Aqueous Solutions.
 Khim. Farm. Zh. (Pharm. Chem. J.), 6(4):259-62 (1973) (Rus)
- E Kovacs, I.
Treatment of Wastes and Solutions Containing Acrylonitrile.
 Munkavedelem, 9(4-6):7-9 (1963)
- H Kovalenko, V.N.; Stepanenko, A.F.; Ovcharenko, G.S.
Toxic and Fibrogenic Action of the Dust from Copolymers Based on
Vinyl Chloride and Methyl Acrylate.
 Sb. Nauch. Tr. Rostov. na Donu Med. Inst., (29):51-2 (1977) (Rus)

- Kozi, M.
Acrylonitrile.
Chem. Rev., 5:617-25 (1939)
- E Kraizman, P.S.; Chekhouskaia, E.V.
Analysis of Sewage Waters from the Acrylonitrile Industry,
Methods for the Determination of Specific Contaminants.
Gig. Sanit., 30(6):57-9 (Jun. 1965) (Rus)
- H Kraybill, H.F.
Evaluation of Public Health Aspects of Carcinogenic/Mutagenic
Biorefractories in Drinking Water.
Prev. Med., 9(2):212-8 (1980)
- H Kroeller, E.
Residual Acrylonitrile Determination in Food.
Dtsch. Lebensm. Rundsch. 66(1):11-3 (1970) (Ger)
- E Krohne, H.E.; Lindgren, D.L.
Susceptibility of Life Stages of Sitophilus oryza to Various
Fumigants.
J. Econ. Ent., 51(2):157-8 (1958)
- Krynska, A.
Method of Determining Acrylonitrile in Air.
Pr. Cent. Inst. Ochr. Pr., 20(67):303-10 (1970) (Pol)
- H Krysiak, B.; Knobloch, K.
Effect of Acrylonitrile on the Central Nervous System.
Med. Pr., 22(6):601-10 (1971) (Pol)
- E Kuchinskii, M.K.; Golovatskaya, A.N.; Evilevich, I.A.
Biochemical Treatment of Synthetic Fiber Plant Sewage.
Prepr. Mezhdunar. Simp. Khim. Voloknam, 6(2):28-45 (1977) (Rus)
- E Lamberti, F.
Chemical Control of Root-Knot Nematode on Tobacco in Apulia.
Meded. Fac. Landbouwwet. Rijksuniv. Gent, 37(2):790-7 (1972)

- Lamberti, F.; Liguori, O.
 E Trials of Chemical Control of Root-Knot Nematode on Levantine Tobacco in the Province of Lecce.
 Ann. Ist. Sper. Tab., 1:19-37 (1974) (Ita)
- Lambotte-Vandepaer, M.
 H Comparison of the Effect of Styrene NAD Acrylonitrile on the Liver Mixed Function Oxidase System.
 Symposium: 7th International Congress of Pharmacology. Paris, France, Jul. 16-21, 1978.
 Permagon Press, Headington Hill Hall, Oxford OX3 OBW U.K. (Pub. 1978)
- Lambotte-Vandepaer, M.; Duverger-Van Bogaert, M.; De Meester, C.; et al.
 H Identification of Two Urinary Metabolites of Rats Treated with Acrylonitrile. Influence of Several Inhibitors on the Mutagenicity of Those Urines.
 Toxicol. Lett. (Amst.), 7(4-5):321-28 (1980)
- Lambotte-Vandepaer, M.; Duverger-Van Bogaert, M.; De Meester, C.; et al.
 H Mutagenicity of Urine from Rats and Mice Treated with Acrylonitrile.
 Toxicology, 16(1):67-71 (1980)
- Lands, A.M.; et al.
 H Antispasmodic Action of Basic Nitriles.
 J. Pharmacol. Exper., 96:1-10 (1949)
- Langvardt, P.W.; Putzig, C.L.; Braun, W.H.; et al.
 H Identification of the Major Urinary Metabolites of Acrylonitrile in the Rat.
 J. Toxicol. Environ. Health, 6(2):273-82 (1980)
- Lank, J.C. Jr.
 E Effect of Acrylonitrile on Anaerobic Digestion of Domestic Sludge.
 Master's Thesis, p. 63 (Mar. 1970)
- Lautenberger, W.J.; Kring, E.V.; Morello, J.A.
New Personal Badge Monitor for Organic Vapours.
 Am. Ind. Hyg. Assoc. J., 41(10):737-47 (Oct. 1980)

- E Lawniczak, H.
Quantitative Determination of Vinyl Cyanide in Industrial Effluents.
Barwniki-Srodki Pomocnicze, 21(4):87-91 (1977) (Pol)
- Lawrence, J.R.
Impact of Legislation on Plastic Materials Markets, Processing.
Symposium: 4th Annual Conference, Plastics Publishing Co.
Critical Decisions, pp. 52-8 (1978)
- Lawton, A.H.
Contributions to the Physiology and Toxicology of Acrylonitrile,
Including a Test Diagnostic Exposure.
Physiology, W:42 (1944)
- H Lawton, A.H.; Sweeney, T.R.; Dudley, H.C.
Toxicology of Acrylonitrile. III. Determination of
Thiocyanates in Blood and Urine.
J. Ind. Hyg. Toxicol., 25(1):13-9 (Jan. 1943)
- Lazaris, L.Ya.; Kalmykova, T.A.
Determination of Residual Monomers and Solvents in Latexes,
Ether Acrylates, and Polymers.
Nov. Sorbenty Khromatogr., (18):92-5 (1972) (Rus)
- H Lee, K.; Hansen, J.L.; Macauley, D.C.
Predictive Model of the Time-Temperature Requirements for
Thermal Destruction of Dilute Organic Vapors.
Symposium: Annual Meeting of the Air Pollution Control
Association. Paper No. 79-10.1. 72(1):16 pp. (1979)
- H Lefaux, R.
Industrial Toxicology of Monomers and Various Metals.
In: Practical Toxicology of Plastics. Cleveland, OH: Chemical
Rubber Company, pp. 66-153, 1968
- H Leichnitz, K.
Test Tubelet Methods and Their Development.
Chem. Ztg., 97(12):638-43 (Dec. 1973) (Ger)
- H Leimgruber, R.A.
Toxicity of Plastics.
Kunststoffe, 69(9):553-6 (Sep. 1979) (Ger)

- E Leithe, W.
 Analysis of Organic Air Pollutants.
 Anal. Air Pollut., pp. 226-63 (1972)
- H Le Moan, G.; Chaigneau, M.
 Toxicity of Plastic Combustion Products. 3. Rapid Evaluation
 Method by Determination of the LD50 in Mice.
 Ann. Pharm. Fr., 35(11-12):461-4 (1977) (Fre)
- H Leonard, A.; Garny, V.; Poncelet, F.; et al.
 Mutagenicity of Acrylonitrile in Mouse.
 Toxicol. Lett. (Amst.), 7(4-5):329-34 (1981)
- H Levina, E.N.
 Toxicology of Acrylonitrile.
 Gig. Sanit., (2):34-6 (1951) (Rus)
- Lezovic, A.; Singliar, M.
 Polarographic Determination of Acrylamide and Acrylonitrile.
 Petrochemia, 17(5-6):128-32 (1977) (Slo)
- E Lindgren, D.L.; Gammon, C.
 Effect of Acrylonitrile Fumigation on Diapause in the Walnut
 Husk Fly.
 J. Econ. Entomol., 48(6):752-3 (1955)
- E Lindgren, D.L.; Sinclair, W.B.
 Tolerance of Citrus and Avocado Fruits to Fumigants Effective
 against the Oriental Fruit Fly.
 J. Econ. Entomol., 44:980-90 (1951)
- E Lindgren, D.L.; Vincent, L.E.
 Relative Toxicity of Fumigants to Tribolium confusum and
 Sitophilus granarius in Wheat.
 J. Econ. Entomol., 44:975-9 (1951)
- E Lindgren, D.L.; Vincent, L.E.
 Biology and Control of Trogoderma granarium Everts.
 J. Econ. Entomol., 52(2):312-9 (1959)

- E Lindgren, D.L.; Vincent, L.E.
Sorption of Single- and Multiple-Component Fumigants by Whole-Kernel Corn under Recirculation, and Correlated Mortality of Stored-Product Insects.
 J. Econ. Entomol., 52:1091-6 (1959)
- E Lindgren, D.L.; Vincent, L.E.; Krohne, H.E.
Relative Effectiveness of Ten Fumigants to Adults of Eight Species of Stored-Product Insects.
 J. Econ. Entomol., 47:923-6 (1954)
- E Lindgren, D.L.; Vincent, L.E.; Krohne, H.E.
The Khapra Beetle, *Trogoderma granarium* Everts.
 Hilgardia, 24(1):1-36 (1955)
- H Little, A.D., Inc.
A Modal Economic and Safety Analysis of the Transportation of Hazardous Substances in Bulk, Final Report.
 U.S. NTIS, COM-74-11271
- H Loveless, A.
Qualitative Aspects of the Chemistry and Biology of Radiomimetic Substances.
 Nature, 167:338-42 (1951)
- E Loveless, L.E.; Spoerl, E.; Weisman, T.H.
Survey of Effects of Chemicals on Division and Growth of Yeast and *Escherichia coli*.
 J. Bacteriol., 68:637-44 (1954)
- H Ludzack, F.J.; Bloomhuff, R.N.
Experimental Treatment of Organic Cyanides by Conventional Sewage Disposal Processes.
 Purdue Univ. Eng. Bull., Ext. Ser. 1959, pp. 547-65 (Pub. 1960)
- H Lynne, M.M.; Villaume, J.E.
Investigation of Selected Potential Environmental Contaminants: Acrylonitrile.
 U.S. NTIS, PB-285 881/9GA, 251 pp. (May 1978)

- H Magos, L.
Acrylonitrile Poisoning in Relation to Methemoglobin-CN Complex Formation.
Brit. J. Ind. Med., 19:283-6 (1962)
- E Majumder, S.K.; Muthu, M.; Srinivasan, C.P.; et al.
Storage of Coffee Beans. IV. Control of Araecerus fasciculatus in Monsooned Coffee and Related Storage Experiments.
Food Sci., 10:332-8 (1961)
- H Mallette, F.S.
Industrial Hygiene in Synthetic Rubber Manufacture.
Ind. Med., 12:495-9 (1943)
- H Maltoni, C.
Occupational Chemical Carcinogenesis: New Facts, Priorities, and Perspectives.
Colloq. Inst. Natl. Sante Rech. Med., 522(Environ. Pollut. Carcinog. Risks):127-49 (1976)
- H Maltoni, C.
Recent Findings on the Carcinogenicity of Chlorinated Olefins.
Environ. Health Perspect., (21):1-5 (1977)
- H Maltoni, C.
Perspectives on Environmental and Occupational Oncogenesis of CNS.
Proceedings: International Symposium on Multidisciplinary Aspects of Brain Tumor Therapy. Brescia, Italy, Jun. 8-10, 1979. p. 7
- H Maltoni, C.; Ciliberti, A.; Di Maio, V.
Carcinogenicity Bioassays on Rats of Acrylonitrile Administered by Inhalation and by Ingestion.
Med. Lav., 68(6):401-11 (Nov.-Dec. 1977)
- H Manea, M.; Dacin, E.; Balan, M.
Purification of Sewage Contaminated by Acrylonitrile.
Rev. Chim., 28(9):878-80 (1977)

- H Manufacturing Chemists' Association, Inc.
Acrylonitrile.
Chemical Safety Data Sheet SD-31, 17 pp. (Mar. 1949)
- H Manufacturing Chemists Association, Inc.
Properties and Essential Information for Safe Handling and Use of Acrylonitrile.
Chemical Safety Data Sheet SD-31, p. 19 (Aug. 15, 1974)
- E Mappelli, P.; Santori, M.; Chiolle, A.; et al.
Membrane Processes Used for the Treatment of Industrial Effluents.
Desalination, 24(1-3):155-73 (1978)
- H Marano, R.S.; Levine, S.P.; Harvey, T.M.
Trace Determination of Subnanogram Amounts of Acrylonitrile in Complex Matrices by Gas Chromatography with a Nitrogen-selective Detector.
Anal. Chem., 50(13):1948-50 (1978)
- E Marconi, S.; Ionescu, M.
Toxic Action of Acrylonitrile on Fish.
Stud. Prot. Calitatii Apelor, 16:7-22 (1974) (Rom)
- E Markelov, M.A.; Semenenko, E.I.
Determination of Microconcentrations of Substances Migrating from Polymer Materials to Water.
Plast. Massy, (1):57-9 (1976)
- H Marrs, D.R.; Campbell, R.L.; Boyko, J.M.; et al.
Measurement of Acrylonitrile in Ambient Air in the Area of Plastic Processing Equipment.
Symposium: Acrylonitrile, National Technology Conference of the Society of Plastic Engineering. Cleveland, OH, 1978. pp. 131-6
- H Martin, G.M.
Acrylonitrile.
Job Safety and Health, 6(3):4-13 (1978)

- Masuda, T.
H Protein Metabolism in Rats under Various Conditions by Determination of Urinary Vacat-O/N Ratio. II. Vacat-O/N Ratio in Rats Exposed to Carbon Disulfide or Acrylonitrile.
Rodo Kagaku, 50(3):141-54 (1974) (Jpn)
- Marina, E.A.; Il'ina, V.A.
H Change of Immunological Reactivity of Students of an Industrial-Training School during Training at a Nitrobenzene Production Plant.
Gig. Sanit., (5):109-10 (1974)
- McCormick, W.F.; Wilson, R.H.
H Acrylonitrile: Its Physiology and Toxicology.
Industr. Med., 18:243 (1949)
- McLaughlin, M.; Krivanek, N.D.; Trochimowicz, N.J.
H Evaluation of Antidotes of Acrylonitrile Poisoning.
Toxicol. Appl. Pharmacol., 37(1):133-4 (1976)
- McMahon, R.E.; Cline, J.C.; Thompson, C.Z.
H Assay of 855 Test Chemicals in Ten Tester Strains Using a New Modification of the Ames Test for Bacterial Mutagens.
Cancer Res., 39(3):682-93 (1979)
- McNeal, T.; Breder, C.V.
H Headspace Sampling and Gas-Solid Chromatographic Determination of Residual Acrylonitrile in Acrylonitrile Copolymers.
Symposium: 93rd Annual Meeting of the Association of Official Analytical Chemists. Washington, D.C., Oct. 15-18, 1979.
J. Assoc. Off. Anal. Chem., 64(2):270-5 (Mar. 1981)
- McOmie, W.A.
H Comparative Toxicity of Methacrylonitrile and Acrylonitrile.
J. Ind. Hyg. Toxicol., 31(2):112-6 (1949)
- Mel'nikova, E.A.; Barsel'vants, G.B.
H Effect of Chemicals on the Heat-denaturation of Blood Serum Proteins.
Nauchn. Tr. Kuban. Gos. Med. Inst., 45:99-109 (1974) (Rus)

- H Mercier, M.; De Meester, C.; Roberfroid, M.; et al.
Mutagenicity of Acrylonitrile.
Toxicology, 11(1):19 (Sep. 1978)
- H Mercier, M.; De Meester, C.; Roberfroid, M.; et al.
Mutagenicity of Urine from Rats and Mice Treated with Acrylonitrile.
Toxicology, 16(1):67 (1980)
- Mieczkowski, R.; Mieczkowska, Z.
Determination of Protein Content in Graft Copolymers of Acrylonitrile on Gelatin.
Chem. Anal., 25(2):229-34 (1980) (Pol)
- H Mikhailov, N.E.
Study of Some Biogenic Amines under the Effect of Acrylonitrile and Acrylonitrile in Combination with Prussic Acid in White Rat Experiments.
Biol. Akt. Veshchestva Rasteniyevod. Zhivotnovod. Med., pp.137-9 (1975) (Rus)
- H Miller, E.L.
Suggestions for a Safe Workplace.
Symposium: SPE National Technology Conference: Plastics in Packaging and Acrylonitrile - A Dual Meeting, Chicago, IL, Nov. 13-15, 1978. p.226-31
- H Miller, L.M.; Villaume, J.E.
Investigation of Selected Potential - Environmental Contaminants: Acrylonitrile.
U.S. NTIS, PB-285881 (1978)
- H Milvy, P.
Mutagenic Studies with Acrylonitrile.
Mutat. Res., 57(1):110-2 (1978)
- H Milvy, P.; Wolff, M.
Mutagenic Studies with Acrylonitrile.
Mutat. Res., 48(3-4):271-8 (Jul. 1977)

- Minami, M.; Sato, M.; Suzuki, A.; et al.
H Studies on Acrylonitrile Poisoning. I. The Results of Exposure to Acrylonitrile Vapour.
J. Tokyo Wom. Med. Coll., 43(10):849-55 (1973) (Jpn)
- Mital, V.P.; Gupta, H.C.L.
Efficacy of Some Fumigants against Adults of Tamarind Bruchid, Caryedon serratus F.
Bull. Grain Technol., 16(2):147-8 (1978)
- Mitsui Toatsu Chemicals, Inc.
H Treatment of Waste Waters from Acrylonitrile Production Plants.
Japan, Patent No. 75156263
Dec. 17, 1975
- Mitsui Toatsu Chemicals, Inc.
H Treatment of Waste Water Containing Cyanides.
Japan, Patent No. 7608753
Jan. 23, 1976
- Mitsui Toatsu Chemicals, Inc.
Iwai, Y.; Okabe, M.; Ski, N.; et al.
E Liquid Phase Oxidation of Effluent Streams Containing Organic Substances.
Japan, Patent No. 2636609
Feb. 24, 1977
- Mletzko, H.G.; Henkel, W.
H Animal Experiments with Exposure to Noise and Acrylonitrile from the Chronobiological Aspect.
Z. Gesamte Hyg. Ihre Grenzgeb., 24(7):515-8 (1978)
- Monroe, Ha.U.; Dumas, T.; Buckland, C.T.
E The Influence of Vapor Pressure of Different Fumigants on the Mortality of Two Stored-Products Insects in Vacuum Fumigation.
J. Stored Prod. Res., 1(3):207-22 (1966)
- Monroe, Ha.U.; Musgrave, A.L.; Upitis, E.
E Induced Tolerance of Stored-Product Beetles to Methyl Bromide.
Ann. Appl. Biol., 49:373-7 (1961)
Can. Entomologist, 88:37 (1956)

- E Monroe, Ha.U.; Upitis, E.; Bond, E.J.
Resistance of a Laboratory Strain of Sitophilus granarius.
J. Stored Prod. Res., 8(3):199-207 (1972)
- Monsanto Co.
Miller, R.E.
E Alkene Nitrile-Protein Complex As a Ruminant Feed Material.
United States, Patent No. 3726971
Apr. 10, 1973
- Monsanto Co.
H Six Bio-Dynamics' Acrylonitrile Study for Monsanto Showed That Rats Receiving 10, 30 and 100 ppm of Acrylonitrile Had Increased Incidences of Malignant Tumors.
United States, Patent No. 2868721
Apr. 10, 1981
- Morgan, J.M.; Hooper, R.T.
H Water Sampling and a Simple Effective Filtration Unit for Field Use.
J. Lab. Pract., 28(6):624-5 (1979)
- Mortensen, J.L.; Martin, W.P.
E Effect of Soil-conditioner-fertilizer Interactions on Soil Structure, Plant Growth, and Yield.
Soil Sci., 81(1):33-46 (1956)
- Motoyama, S.; Watanabe, M.; Aoki, A.
Synthesis and Herbicidal Activities of Halopropionic Acid Derivatives.
Sankyo Kenkyusho Nempo, 23:233-44 (1971) (Jpn)
- Movsumzade, K.M.
H State of Free Amino Acids in the Brain and Liver of a Rabbit under the Effect of Acrylonitrile.
Izv. Akad. Nauk Az. SSR Ser. Biol. Nauk, (4):128-32 (1970) (Rus)
- Mukhtarova, M.
H Individual Samples for Evaluation of Occupational Risk due to Poisonings.
Khig. Zdraveopaz, 20(5):447-50 (1977)

- H Murray, F.J.; Nitschke, K.D.; John, J.A.; et al.
Teratogenic Potential of Acrylonitrile Given to Rats by Gavage or Inhalation.
Teratology, 17(2):50A (1978)
- H Murray, F.J.; Schwetz, B.A.; Nitschke, K.D.; et al.
Teratogenicity of Acrylonitrile Given to Rats by Gavage or by Inhalation.
Food Cosmet. Toxicol., 16(6):547-52 (1978)
- H Musserskaya, A.N.; Boklag, E.P.
Hygienic Evaluation of Ventilation in the Modern Production of Acrylonitrile.
Zdravookhr. Beloruss., (1):51-3 (1976) (Rus)
- E Muthu, M.; Pingale, S.V.
Control of Insect Pests in Gains Stored in Insecticide-impregnated Jute Bags.
J. Sci. Food Agr., 6:637-40 (1955)
- E Muthu, M.; Rao, H.R.; Majumder, S.K.
Bioassay Method for Determining Fumigant Concentrations in Air.
Int. Pest Contr., 13(4):11-4 (1971)
- H Nagorzanski, R.
Pathogenesis, Symptoms, First Aid, and Treatment of Acute Poisoning by Hydrogen Cyanide and Acrylonitrile.
Med. Pr., 17(5):466-73 (1966) (Pol)
- H Nagumo, K.
The Secret of Tokyo-type Photochemical Smog. Part IV. Concerning the Causal Theories (1).
Kenko Kaigi (Health Assem.), (286):37-44 (1973) (Jpn)
- H Nagumo, K.
The Secret of Tokyo-type Photochemical Smog. Part V. The Theoretical Basis of the Cause Attributed to Cyanogen Compounds.
Kenko Kaigi (Health Assem.), 25(2):30-4 (Feb. 1973) (Jpn)
- E Narasimhan, K.S.; Shurpalekar, S.R.; Venkatesh, K.V.L.
Use of Fumigants in Prevention of Insect Infestation and Mold Growth in Papads.
J. Food Sci. Technol., 9(3):134-7 (1972)

- Nazarova, V.I.; Nakrap, L.K.
H Determination of Acrylonitrile in Air.
Metody Anal. Kontrolya Kach. Prod. Khim. Prom-sti., (5):28-9
(1978) (Rus)
- Neal, J.; Rigdon, R.H.
H Stomach Cancer and Air Pollution: An Experimental Study in a Petrochemical Area.
Texas Rep. Biol. Med., 27(3):787-93, (Fall 1969)
- Nelson, D.L.; Barker, P.S.; Kurtz, D.
E End of Season Killing of Honey Bees with Acrylonitrile Mixtures.
Pesticide Research Report, Agriculture Canada, 4 pp. (1977)
- Nerudova, J.
H Effect of Mode of Administration of Acrylonitrile on Its Metabolism in Rats, Mice, and Chinese Hamsters.
Symposium: 16th Meeting of the European Society for the Study of Drug Toxicity. Carlsbad, Czechoslovakia, Jun. 1974. pp. 10-12
- Nerudova, J.O.
H Acrylonitrile Biotransformation in Microsomes, Isolated Perfused Liver, and in Living Rat.
Symposium: International Conference on In Vivo Aspects of Biotransformation and Toxicity of Industrial and Environmental Xenobiotics. Prague, Czechoslovakia, Sep. 1977. pp. 13-5
- Nerudova, J.; Holecek, V.; Gut, I.; et al.
Relation between the Kinetics of Acrylonitrile Diversely Administered and Its Conversion to Thiocyanate.
Prac. Lek., 32(1):15-8 (1980) (Cze)
- Nerudova, J.; Kopecky, J.; Gut, I.; et al.
H In Vitro Metabolism of Acrylonitrile in Rats.
Prac. Lek., 32(3):98-103 (1980) (Cze)
- Neugenbaue, B.; Schmike, D.; Schuetze, W.
H Treating Waste Water from Unsaturated Nitrile Production - by Fractional Distillation and Condensation Giving Cyanide-Enriched and -Depleted Fractions.
East Germany, Patent No. DL-206693
Jul. 13, 1978

- Nilsen, O.G.; Toftgard, R.; Eneroth, P.
H Effects of Acrylonitrile on Rat Liver Cytochrome P-450
Benzo(A)pyrene Metabolism and Serum Hormone Levels.
Toxicol. Lett. (Amst.), 6(6):399-404 (1980)
- Nippon Zeon Co., Ltd.
Jo, Y.
Anticoagulative High Molecular Weight Materials for Medical Use.
Japan, Patent No. 78 84094
Jul. 25, 1978
- Noel, G.; Lambotte-Vanderpaer, M.; Duverger-Van Bogaert, M.;
et al.
H Hepatotoxic Effects of Acrylonitrile in Rats.
Arch. Int. Physiol. Biochim., 86(4):951-2 (1978)
- Norman, E.C.; Dowell, H.A.
E The Use of Foams to Control Vapor Emissions from Hazardous
Material Spills.
Symposium: National Conference on Control of Hazardous Material
Spills. Miami Beach, FL, Apr. 11-13, 1978. pp. 399-405
- Norman, E.C.; Dowell, H.A.
E Using Aqueous Foams to Lessen Vaporization from Hazardous
Chemical Spills.
Loss Prev., 13:27-34 (1980)
- O'Berg, M.T.
H Acrylonitrile Study.
Symposium: American Occupational Health Conference. New Orleans,
LA, Apr. 1978. pp. 10-4
- O'Berg, M.T.
H Epidemiologic Study of Workers Exposed to Acrylonitrile.
J. Occup. Med., 22(4):245-52 (1980)
- Onodera, M.; Matsumura, H.; Minakuchi, H.; et al.
H Health Effects of Acrylonitrile in Acrylic Fibre Factories.
Br. J. Ind. Med., 35(3):219 (1978)

- Oomens, A.C.; Terneuzen, B.V.
H Experience with a Dual Detector Headspace Gas Chromatograph for Acrylonitrile Analysis.
Symposium: Application of Headspace Gas Chromatography. London, 1978. Edited by Kolb, B., pp. 111-6 (Pub. 1980)
- Orushev, T.; Popovski, P.
H Clinical Details of Chronic Occupational Intoxications by Acrylonitrile.
God. Zb. Med. Fak. Skopje., 19:187-92 (1973)
- Orushev, T.; Bayer, S.; Popovski, P.
H The Occupational Risk of Acrylonitrile in a Workshop for the Production of Acrylic Fibers.
God. Zb. Med. Fak. Skopje., 19:445-9 (1973)
- Orushev, T.; Jovanovic, S.; Bauer, S.
H Case Report of Acute Occupational Poisoning by Acrylonitrile.
Arh. Hig. Rada. Toksikol., 23(2):139-41 (1972) (SCr)
- Page, B.D.; Charbonneau, C.F.
H Determination of Acrylonitrile in Foods Packaged in AN-Based Plastics by Headspace-Gas Chromatography with N-Sensitive Detection.
Symposium: 94th Annual Meeting of the Association of Official Analytical Chemists. Washington, D.C., Oct. 20-23, 1980.
- Parent, R.A.; Casto, B.C.
H Effect of Acrylonitrile on Primary Syrian Golden Hamster Embryo Cells in Culture: Transformation and DNA Fragmentation.
J. Nat. Cancer Inst., 62(4):1025-9 (1979)
- Patterson, R.M.; Bornstein, M.I.; Garshick, E.
H Assessment of Acrylonitrile As a Potential Air Pollution Problem.
U.S. NTIS, PB-258358, 28 pp. (1976)
- Paulet, G.; Desnos, J.
H Acrylonitrile: Toxicity, Mechanism, Therapeutic Measures.
Arch. Internatl. Pharmacodyn., 131(1-2):54-83 (1961)

- H Paulet, G.; Vidal, M.
Toxicity of Some Acrylic and Methacrylic Esters of Acrylamide and Polyacrylamides.
 Arch. Mal. Prof. Med. Trav. Secur. Soc., 36(1-2):58-60 (1975)
 (Fre)
- H Paulet, G.; Desnos, J.; Battig, J.
Toxicity of Acrylonitrile.
 Arch. Mal. Prof. Med. Trav. Secur. Soc., 27(12):849-56 (1966)
 (Fre)
- H Payne, W.R.
Toxic Substances, Toxicology, and the Chemical Engineer: Toxicology and Process Design.
 Chem. Eng., 85(10):83-5 (Apr. 24, 1978)
- H Penton, Z.
Measurement of Acrylonitrile in Industrial Air by Gas Chromatography.
 Varian Instrum. Appli., 13(2):4-5 (1979)
- H Peter, H.; Bolt, H.M.
Irreversible Protein Binding of Acrylonitrile.
 Xenobiotica, 11(1):51-6 (1981)
- Peter, H.; Buchter, A.
Irreversible Binding of Acrylonitrile to Macro Molecules.
 Symposium: 21st Spring Meeting of the Deutsche Pharmakologische Gesellschaft (German Pharmacological Society). Mainz, West Germany, Mar. 18-21, 1980.
 Naunyn-Schmiedeberg's Arch. Pharmacol., 311(Suppl.) (1980)
- H Petersen, G.W.; Radke, H.H.
Determination of Small Amounts of Acrylonitrile in Air.
 Ind. Eng. Chem. Anal. Ed., 16:63-4 (Jan. 1944)
- H Pokrovskii, V.A.
Professional Hazards in the Production of Synthetic Rubber and Their Prophylaxis.
 Gig. Sanit., (7):22-6 (1954) (Rus)

- H Pollice, L.
Primary Vascular Tumors of the Liver.
Path. Res. Pract., 165(1-2):145 (1979)
- H Poncelet, F.; De Meester, C.; Roberfroid, M.; et al.
Mutagenicity of Acrylonitrile.
Toxicology, 11(1):19-27 (Sep. 1978)
- H Poncelet, F.; De Meester, C.; Roberfroid, M.; et al.
Influence of Experimental Factors on the Mutagenicity of Vinyllic Monomers.
Symposium: 21st Congress of the European Society of Toxicology. Dresden, E. Germany, Jun. 1979. pp. 11-3
- H Posner, H.S.; Falk, H.L.
Halo Ethylene Related Compounds of Industrial, Environmental, and Medical Significance.
Environ. Health Perspect., (21):293-326 (1977)
- H Possner, W.
Considerations of Industrial Hygienics on the Pulmonary Functions of Workers in Acrylonitrile Production.
Wiss. Z. Martin-Luther Univ. Halle-Wittenberg Math. Nat. Reihe, 14(2):159-68 (1965) (Ger)
- E Pradhan, S.; Bhambhani, H.J.; Wadhi, S.R.
Fumigation of Infested Potatoes.
Indian J. Entomol., 22(3):181-9 (1960)
- E Punj, G.K.
Sorption of Certain Common Fumigants by Six Different Commodities.
Bull. Grain Technol., 7(4):217-21 (1969)
- H Quast, J.F.
Toxicological Findings in Rats Maintained on Water Containing Acrylonitrile for 24 Months. Results of a 12 Month Interim Sacrifice.
Symposium: 1st International Congress on Toxicology. Toronto, Canada, Mar. 30 - Apr. 2, 1977.

- Quast, J.F.; Humiston, C.G.; Schwetz, L.A.; et al.
H A Six-Month Oral Toxicity Study Incorporating Acrylonitrile in the Drinking Water of Purebred Beagle Dogs.
Symposium: Toxicology Research Laboratory, Health and Environmental Research, Dow Chemical U.S.A. Midland, MI, Jun. 6, 1975. 108 pp.
- Quast, J.F.; Humiston, C.G.; Schwetz, B.A.; et al.
H Toxicological Findings in Rats Maintained on Water Containing Acrylonitrile for 24 Months Results of a 12 Month Interim Sacrifice.
Symposium: International Congress on Toxicology. Toronto, Canada, 1977. Edited by Burford, R.G., p. 19
- Rabellogay, M.N.; Ahmed, A.E.
Acrylonitrile - In Vivo Cytogenetic Studies in Mice and Rats.
Mutat. Res., 79(3):249-55 (1980)
- Radimer, G.F.; Davis, J.H.; Ackerman, A.B.
H Fumigant-induced Toxic Epidermal Necrolysis.
Arch. Dermatol., 110(1):103-4 (1974)
- Rajendran, S.; Muthu, M.
E Toxicity of Acrylonitrile to the Adults of Five Species of Stored Products Insects.
Bull. Grain Technol., 14(3):179-81 (1976)
- Rajendran, S.; Muthu, M.
E Sitophilus oryzae Adults As Indicators of Acrylonitrile Concentrations in Air.
Bull. Grain Technol., 15(1):17-9 (1977)
- Rajendran, S.; Muthu, M.
E Toxicity of Acrylonitrile-Ethylene Dibromide Mixtures to Tribolium castaneum herbst and Sitophilus oryzae Adults.
J. Food Sci. Technol., 14(5):219-21 (1977)
- Rajendran, S.; Muthu, M.
H Nutritional and Histopathological Studies on Rats Fed on Energy Food Fumigated with Acrylonitrile.
Nutr. Rep. Int., 22(5):677-86 (1980).

- Rake, A.V.; Tener, G.M.
H Effect of Cyanoethylation of Yeast Transfer Ribonucleic Acid on Its Amino Acid Acceptor Activity.
Biochemistry, 5(12):3992-4003 (1966)
- Rauscher, H.
E Fumigation for Stored Goods Protection: Safety and Environmental Protection.
Zentralbl. Arbeitsmed. Arbeitsschutz, 22(4):105-11 (1972)
- Rawlings, G.D.; Hughes, T.W.; Frederick, E.R.
Emission Inventory Data for Acrylonitrile, Phthalic Anhydride, Carbon Black, Synthetic Ammonia, and Ammonium Nitrate.
Proceedings: Spec. Conf. Emiss. Factors Inventories.
Pittsburgh, PA, 1979. pp. 173-83
- Reid, N.M.; French, J.B.; Buckley, J.A.; et al.
H Real-Time Analysis of Gaseous Atmospheric Pollutants to the PPT Level Using a Mobile API Mass Spectrometer System.
Symposium: 4th Joint Conference, Sensing Environmental Pollution. New Orleans, LA, 1977. pp. 594-600
- Renga, G.
H Bronchopulmonary Tumors: Epidemiology.
Minerva, Med., 70(3):173-94 (1979) (Ita)
- Renn, C.F.
H Biological Properties and Behaviors of Cyanogenic Wastes.
Symposium: 27th Annual Meeting of the Federation of Sewage and Industrial Wastes Associations. Oct. 1954.
Sewage Ind. Wastes, 27(3):297-310 (Mar. 1955)
- Richardson, C.H.
E Effects of Insecticidal Fumigants on the Germination of Seed Corn.
J. Econ. Entomol., 44:604-8 (1951)
- Richardson, H.H.; Casanges, A.H.
E Toxicity of Acrylonitrile, Chloroacetonitrile, Ethylene Dichloride, and Other Fumigants to the Confused Flour Beetle.
J. Econ. Entomol., 35(5):664-8 (1942)
Pests, 11(3):15-7, 26-7 (1943)

- Richardson, H.H.; Roth, H.
E Methyl Bromide, Sulfuryl Fluoride, and Other Fumigants against Quarantinable Cochlicella and Theba Snails.
J. Econ. Entomol., 58(4):690-3 (1965)
- Richardson, H.H.; Spruyt, F.J.
E Quarantine Treatments to Control Golden Nematode Cysts Adhering to Lily-of-the-Valley Pips: Progress Report with Special Reference to Plant Tolerance.
Plant Disease Repr., 35:519-21 (1951)
- Riehm, J.P.; Scheraga, H.A.
H Structural Studies of Ribonuclease. XX. Acrylonitrile - A Reagent for Blocking the Amino Groups of Lysine Residues in Ribonuclease.
Biochemistry, 5(1):93-9 (1966)
- Roberfroid, M.; Poncelet, F.; Lambotte-Vandepaer, M.; et al.
H Acute Biotoxic Effect of Styrene on Rat Liver. Correlation with Enzyme-mediated Mutagenicity of Benzpyrene and Acrylonitrile.
Scand. J. Work Environ. Health, 4(2):163-8 (1978)
- Robinson, J.W.
H It's Time to Return to Common Sense.
J. Environ. Sci. Health, A14(1):53 (1979)
- Rogaczewska, T.
Polarographic Determination of Acrylonitrile in Air.
Chem. Anal., 9:417-23 (1964) (Pol)
- Rogaczewska, T.
Colorimetric Determination of Acrylonitrile in Air.
Med. Pr., 16(6):465-75 (1965) (Pol)
- Rogaczewska, T.
H Absorption of Acrylonitrile Vapours through the Skin in Animals.
Med. Pr., 26(6):459-65 (1975) (Pol)
- Rogaczewska, T.
H Determination of Acrylonitrile in the Air.
Med. Pr., 27(2):115-26 (1976) (Pol)

- H Rogaczewska, T.; Piotrowski, J.
Routes of Acrylonitrile Absorption in Man.
Med. Pr., 19(4):349-54 (1968) (Pol)
- H Roosken, A.A.
Measuring Organic Gases and Vapors in the Air.
Polytech. Tidschr. Procestéchniek, 34(7):409-15 (1979) (Dut)
- H Roudabush, R.L.; Terhaar, C.J.; Fassett, D.W.; et al.
Comparative Acute Effects of Some Chemicals on the Skin of Rabbits and Guinea Pigs.
Toxicol. Appl. Pharmacol., 7(4):559-65 (1965)
- E Rueffer, H.
Purification of Waste Water Containing Acrylonitrile.
Chem. Ing. Tech., 47(10):445 (1975) (Ger)
- H Rumberg, E.
Disintegration Products and Smoke Generation from Fire Action on Plastics.
Ver. Deut. Ing., 113(1):20-4 (1971) (Ger)
- E Ruppel, R.F.; Brayo, G.; Hatheway, W.H.
Effectiveness of Mixtures of Acrylonitrile and Carbon Tetrachloride against Three Pests of Stored Grain.
J. Econ. Entomol., 53:238-42 (1960)
- H Russkikh, A.A.
Determination of Acetone Cyanohydrin and Acrylonitrile in Air.
Symposium: Fiz. Khim. Metody Anal. Kontr. Proizvod., Mater. Konf. Rab. Vuzov Zavod. Lab. Yugo-Vostoka SSSR, 4th, 3:100 (1971) (Rus)
- H Russkikh, A.A.
Determination of Acrylonitrile in the Air.
Otkrytiya, Izabret. Prom. Obraztsy, Tovarnye Znaki, 49(22):162 (1972)
- H Russkikh, A.A.
Hydracrylonitrile Determination in Air.
Gig. Sanit., 37(3):60-2 (Mar. 1972) (Rus)

- Russkikh, A.A.
H Photometric Determination of Acrylonitrile and Methacrylonitrile in Air.
Zavod. Lab., 39(1):5-6 (1973) (Rus)
- Sakai, T.; Okukubo, A.
H Application of a Test for Estimating the Relative Toxicity of Thermal Decomposition Products.
Symposium: 1st European Conference of Flammability Fire Retardation. 1979. pp. 147-53
- Sakurai, H.; Kusumoto, M.
H Epidemiologic Study of Health Impairment among Acrylonitrile Workers.
J. Sci. Labour, 48(5):273-82 (1972) (Jpn)
- Sakurai, H.; Utsunomiya, T.; Onodera, M.; et al.
H Health Effects of Acrylonitrile in Acrylic Fiber Factories.
Br. J. Ind. Med., 35(3):219-25 (Aug. 1978)
- Samoiloff, M.R.; Schulz, S.; Jordan, Y.; et al.
E A Rapid Simple Long-Term Toxicity Assay for Aquatic Contaminants Using the Nematode Panagrellus redivivus.
Can. J. Fish. Aquat. Sci., 37(7):1167-74 (1980)
- Sandberg, E.C.; Slanina, P.
H Distribution of (1-14C) Acrylonitrile in Rat and Monkey.
Toxicol. Lett., 6(3):187-91 (1980)
- Sansone, E.B.; Tewari, Y.B.
H The Penetration of Protective Clothing Materials by 1,2-Dibromo-3-chloropropane Ethylene Dibromide.
Am. Ind. Hyg. Assoc. J., 39(11):921-2 (Nov. 1978)
- Sartorelli, E.
H Acute Acrylonitrile Intoxication.
Med. Lavoro, 57(3):184-7 (1966) (Ita)
- Sato, M.
H Toxic Effect of Acrylonitrile. Its Metabolism, Absorption, and Excretion.
Nippon Eiseigaku Zasshi, 33(3):497-505 (1978) (Jpn)

- H Sato, M.; Ishizu, S.; Mamotani, H.
Determination of Acrylonitrile, Cyanide, and Thiocyanate in Blood and Urine.
Sankyo Igaku, 17(2):99-105 (1975) (Jpn)
- H Sato, M.; Ishizu, S.; Minami, M.
Experimental Studies of Acrylonitrile Poisoning.
Symposium: 46th Annual Meeting of the Japan Society of Industrial Hygiene, Apr. 1973. pp. 396-7
- Sawicki, E.
Organic Solvent Vapors in Air Analytical Method.
Health Lab. Sci., 12(4):394-402 (1975)
- H Scala, R.A.
Results of Animal Testing Studies on Acrylonitrile and Styrene.
Proceedings: 19th Annual Meeting of the International Institute of Synthetic Rubber Producers. Hong Kong, Apr. 1978. Paper No. 8, 6 pp.
- H Schabel, K.H.; Casper, R.; Kolb, B.
Headspace Gas Chromatography in Industrial Hygiene.
Symposium: Headspace Gas Chromatography. London, England, 1978. pp. 32-40 (1980)
- H Scheufler, H.
Experimental Testing of Chemical Agents for Embryotoxicity, Teratogenicity, and Mutagenicity - Ontogenic Reactions of the Laboratory Mouse to These Injections and Their Evaluation - A Critical Analysis Method.
Biol. Rundsch., 14(4):227-9 (1976) (Ger)
- H Scheufler, H.
On the Embryotoxic Effectiveness of Acrylonitrile in the Laboratory Mouse.
Z. Gesamte Hyg. Grenzgeb., 26(8):564-5 (1980) (Ger)
- E Schnee, B.; Bordes, E.; Drews, K.; et al.
Treatment of Nitrile- and Cyanide-containing Waste Waters.
East Germany, Patent No. 126862
Aug. 17, 1977.

- E Schober, G.; Orschel, K.D.; Marschner, R.; et al.
Treatment of Process Water Mixture Containing Acrylonitrile.
East Germany, Patent No. 125821
May 18, 1977
- H Schultka, R.; Schmidt, R.; Wagner, G.; et al.
Morphologic Studies on the Effect of Acrylonitrile in Subchronic Intoxication Experiments in the White Rat.
Gegenbaurs Morphol. Jahrb., 121(5):609-16 (1975) (Ger)
- H Schwanecke, R.
Accident Hazards during the Handling of Acrylonitrile and Methacrylonitrile.
Zentr. Arbeitsmed. Arbeitsschutz, 16(1):1-3 (1966) (Ger)
- H Scupakas, D.
Industrial Hygiene Conditions during the Reworking of Plastics and Problems of Improving Them.
Symposium: 1st Akiual. Vop. Gig. Tr. Prof. Patol. Mater. Konf. 1967. Edited by Yavnaist, E. Yu., pp. 128-32 (Pub. 1968) (Rus)
- H Shaffer, C.B.
Toxicology of Acrylonitrile.
Symposium: Environmental Aspects of Chemical Use in Rubber Process Operations. Akron, OH, Mar. 12-14, 1975. pp. 89-98
- Shapras, P.; Claver, G.C.
Determination of Residual Monomers and Other Volatile Components in Styrene Based Polymers by Gas Chromatography.
Anal. Chem., 36(12):2282-3 (1964)
- Sharpanova, I.K.; Taradai, E.P.; Styskin, E.L.; et al.
Determination of Monomers in Air by Gas-adsorption Chromatography with Temperature Programming.
Kauch. Rezina, 31(10):48-50 (1972) (Rus)
- H Shaver, A.M.
Acrylonitrile in Food Containers.
Plast. Eng., 33(5):15 (May 1977)

- Shaver, A.M.
H Acrylonitrile, GRAS, and Food Additives.
Plast. Eng., 14(Nov. 1977)
- Sheely, H.R.
E Disposal of Waste Materials from Unsaturated Nitrile.
United States, Patent No. 3895050
Jul. 15, 1975
- Shigeta, A.; Endo, A.; Maeda, I.; et al.
Studies on Measurements of Nitriles and Vinyl Chloride.
Taiki Osen Kenkyu, 9(2):441 (Nov. 1974) (Jpn)
- Shirokov, Yu.G.; Dzhezhev, A.M.
H Experimental Studies of the Liberation of Volatiles by Plastics on Heating.
Hyg. Sanit., 33(8):277-9 (Sep. 1968)
- Shirshova, N.A.; Shustova, L.N.; Gurzo, G.V.
H Functional Ferroknetic, Enzymic, and Histochemical Shifts in Workers in the Nitron Industry.
Restenievod., Zhivotnovod. Med., pp. 128-30 (1975) (Rus)
- Shmidt, L.I.; Prokhorova, V.A.; Kuznetsova, E.M.
E Purification of Waste Waters from the Production of Polystyrene Plastics.
Zh. Vses. Khim. Obshchest., 12(6):662-6 (1967) (Rus)
- Shustov, V.Ya.
H Clinico-Hematological Shifts in Workers Engaged in the Production of Acrylonitrile at the Saratov Chemical Plant.
Gig. Tr. Prof. Zabol., 12(7):25-9 (Jul. 1968) (Rus)
- Shustov, V.Ya.
H Laboratory Diagnosis of Early Manifestations of Chronic Poisoning of Chemical Etiology.
Gig. Tr. Prof. Zabol., (2):18-22 (1974) (Rus)
- Shustov, V.Ya.; Mavrina, F.A.
H Clinical Picture of Chronic Poisoning in the Production of Nitron.
Gig. Tr. Prof. Zabol., (3):27-9 (1975) (Rus)

- Silver, E.H.; Szabo, S.
H Acute and Chronic Effect of Acrylonitrile on Rat Liver.
Conference: Meeting of the American Society for Pharmacology
and Experimental Therapeutics. Rochester, MN, Aug. 17-21, 1980.
Pharmacologist, 22(3):222 (1980)
- Simpson, D.
Determining Residual Monomers in Styrene Based Polymers.
Br. Plast., 41(5):78-80 (1968)
- Sittig, M.
E Acrylonitrile Process Effluents.
Symposium: How to Remove Pollutants and Toxic Material from Air
and Water. Park Ridge, NJ, 1977. pp. 6-11
- Skvortsov, Yu.I.
H Changes in the Blood Serum Amino Acid Spectrum of Workers
Employed in Acrylonitrile Production and Nutritional Ways for
Its Improvement.
Vopr. Pitan., (2):31-3 (1980) (Rus)
- Slooff, W.
E Biological Monitoring Based on Fish Respiration for Continuous
Water Quality Control.
Proceedings: Second International Symposium on Aquatic
Pollutants. Amsterdam, The Netherlands, Sep. 26-28, 1977.
Edited by Hutzinger, O.; Van Lelyveld, L.H.; Zoetman, B.C.J.,
pp. 501-6 (Pub. 1978)
- Slooff, W.
E Detection Limits of a Biological Monitoring System Based on Fish
Respiration.
Bull. Environ. Contam. Toxicol., 23(4-5):517-23 (1979)
- Slorach, S.A.
H Toxicological Problems Associated with Packaging Materials for
Foods.
Naeringsforskning, 22(2):121-5 (1978)
- Smith, R.F.
Assessment of Acrylonitrile Contained in Consumer Products.
Symposium: National Technical Conference. Chicago, IL, Nov.
1978. pp. 218

- H Smyth, H.F. Jr.; Carpenter, C.P.
Further Experience with the Range-finding Test in the Industrial Toxicology Laboratory.
J. Ind. Hyg. Toxicol., 30:63-8 (1948)
- H Smyth, H.F. Jr.; West, J.S.; Carpenter, C.P.
Exploration of Joint Toxic Action Twenty-seven Industrial Chemicals Intubated in Rats in All Possible Pairs.
Toxicol. Appl. Pharmacol., 14(2):340-7 (1969)
- H Sokal, J.A.; Klyszejko-Stefanowicz, L.
Nicotinamide-Adenine Dinucleotides in Acute Poisoning with Some Toxic Agents.
Lodz. Tow. Nauk. Pr. Wyd., 3(122):104 pp. (1972) (Pol)
- H Solovei, L.I.
Change in Protein Metabolism Indexes in the Liver and Serum in Rats after Poisoning with Acrylonitrile.
Symposium: 1st Narusheniya Metab., Tr. Nauchn. Konf. Med. Inst. Zepadn. Sib. pp. 109-12 (1974) (Rus).
- H Solov'ev, I.I.
General and Particular Features of Cerebral Metabolic Failure under the Effect of Different Substances on an Organism.
Symposium: 1st Narusheniya Metab., Tr. Nauchn. Konf. Med. Inst. Zepadn. Sib. pp. 255-8 (1974) (Rus).
- H Solov'ev, I.I.; Vorob'ev, L.M.; Krotenko, N.M.; et al.
Respiration and Phosphorylation in Brain Tissue during Poisoning by Acrylonitrile.
Symposium: 2nd Sovrem. Probl. Biokhim. Dykhaniya Klin., Mater. Vses. Konf. 1:184-6 (1972) (Rus).
- Sorokona, G.I.; Panova, R.V.; Taradai, E.P.; et al.
Gas Chromatographic Determination of Residual Monomers in Butadiene-Nitrile Carboxylate Latexes.
Poluch. Lateksov Modifikatsiya Ikh Svoistv, pp. 52-60 (1977) (Rus)
- H Stamova, N.; Gincheva, N.; Spasovskii, M.; et al.
Labor Hygiene during the Production of Bulana Synthetic Fibers.
Khig. Zdraveopaz., 19(2):134-40 (1976) (Bul)

- H Stampa, G.B.; Imhof, M.
Migration of Acrylonitrile from Barex 210 into Foods and
Simulators.
Dtsch. Lebensm. Rundsch., 75(2):54-7 (1979) (Ger)
- E Standard Oil Co.
Deep Well Disposal of Acrylonitrile - Process Waste Water.
United States, Patent No. 3734943
May 22, 1973
- E Standard Oil Co.
Alford, H.E.; Bigler, K.L.
Treatment of Acrylonitrile Waste Water with Activated Carbon.
United States, Patent No. 4141826
Feb. 27, 1979
- H Standards Association of Australia
Plastics Materials for Food Contact Use. Part 4. Acrylonitrile
Plastics Materials.
Australian Stand. AS 2070, 1979/SD 1503, 15 pp. (1979)
- H Stazenkova, K.D.; Rondarev, G.I.; Murav'eva, S.I.
Evaluation of the Toxicity of Acrylic Acid Nitrile.
Kauch. Rezina, (3):29-31 (1978) (Rus)
- H Steere, N.V.
Safety in the Chemical Laboratory. XLVI. Hazardous Chemicals
Data.
J. Chem. Educ., 45(3):A199-202, A205 (1968)
- H Steere, N.V.
Identification of Hazardous Materials. IV.
J. Chem. Educ., 49(1):A19-22 (1972)
- E Stefanescu, T.; Ursu, G.H.
Method for Determination of Acrylonitrile and Acetonitrile in
Waste Waters.
Mater. Plast., 10(6):330-4 (Jun. 1973)
- Steichen, R.J.
Modified Solution Approach for the Gas Chromatographic
Determination of Residual Monomers by Head-Space Analysis.
Anal. Chem., 48(4):1398-1402 (1976).

- Step, N.Y.
E Catalytic Decontamination of Discharge Gases from Production of Acrylonitrile.
Sov. Chem. Industry, 8(4):278-80 (1976)
- Step, N.Y.
E Catalytic Detoxication of Waste Gases from Acrylonitrile Production.
Khim. Promst., (4):268-70 (1976) (Rus)
- Stepanek, J.M.; Cerna, V.M.
A Method for the Detection of Traces of Acrylonitrile.
Analyst, 83:345-9 (Jun. 1958)
- Stepanek, J.M.; Cerna, V.M.; Patkova, V.J.
Determination of Acrylonitrile in Various Materials.
Analyst, 84:(1):65-6 (Jan. 1959)
- E Sterile Disposal Plant; Davy Powergas Ltd. Fluidized Bed Burns Tough Chemical Wastes.
Eur. Chem. News, 32(835):20 (May 5, 1978)
- E Sterling Drug, Inc. Pradt, L.A.; Meidl, J.A. Purification of Nonbiodegradable Industrial Wastewaters.
United States, Patent No. 3977966
Aug. 31, 1976
- E Stevens, J.I. The Roles of Spillage, Leakage, and Venting in Industrial Pollution Control.
Symposium: 2nd Annual Meeting of the Environmental Engineering Science Conference. Louisville, KY, Apr. 20-21, 1972. pp. 651-67
- Stueben, K.
Acrylonitrile and Related Compounds.
High Polymers, 24:1-80 (1970)
- Sturdik, E.; Drobnica, L.
Inhibition of Glycolysis in Ehrlich Ascites Carcinoma Cells with Dichlofluanid.
Biologia, 35(9):657-65 (1980)

- Sudo
H Table of Allowable Concentration of Harmful Substances Specified by Japan Association of Industrial Health.
Anzen Kogaku (J. Jap. Soc. Saf. Eng.), 16(2):108-13 (1977) (Jpn)
- Sumitomo Chemical Co.
Sakakihara, Y.; Hoshikuma, T.; Hommaru, S.
E Treatment of Waste Water from Acrylonitrile Washing.
Japan, Patent No. 76 98157
Aug. 28, 1976
- Sumitomo Heavy Industries, Ltd.
Kato, A.; Yamamura, K.
E Treating Waste Water Containing Nitriles and Cyanides.
United States, Patent No. 3940332
Feb. 24, 1976
- Sustov, V.Ja.
H Clinical Manifestations and Haematological Changes in Workers Employed in the Production of Acrylonitrile at the Saratov Chemical Combine.
Gig. Tr. Prof. Zabol., 12(7):25-9 (Jul. 1968) (Rus)
- Sustov, V.Ja.; Mavrina, E.A.
H Clinical Picture of Chronic Poisoning in Workers Employed in Nitron Production.
Gig. Tr. Prof. Zabol., (3):27-9 (Mar. 1975) (Rus)
- Suzuki, H.; Satoh, S.
Gas Chromatography-Mass Spectrometric Identification of Organic Compounds and Determination of Acrylonitrile in the Air of the Kawasaki Industrial Area.
Koenshu-Iyo Masu Kenkyukai, 4:113-20 (1979) (Jpn)
- Svalina, J.S.
H Occupational Safety and Health Act.
Symposium: FTA 20th Annual Meeting and Technical Forum.
Chicago, IL, May 9-11, 1978. pp. 113-8
- Sweden
H New Swedish Workplace Exposure Limits.
Eur. Chem. News, 32(849):21 (Aug. 11, 1978)

- Syrjala, R.J.
E Quantitative Analysis of Atmospheric Pollutants Using a Microcomputer-controlled Single Beam Infrared Spectrometer.
Symposium: 3rd Pap. Annu. Meet. Fed. Anal. Chem. Spectrosc. Soc., pp. 111-25, 1977.
- Szabo, S.
H Acrylonitrile-induced Adrenal Hemorrhage and Necrosis in Rat. Fine Structural Findings.
Symposium: 18th Annual Meeting of the Canadian Federation of Biological Societies. Winnipeg, Canada, Jun. 1975. pp. 24-7
- Szabo, S.
H Effect of Chronic Acrylonitrile Ingestion on Rat Adrenal.
Symposium: 15th Annual Meeting of the Society of Toxicology. Atlanta, GA, Mar. 1976. pp. 14-8
- Szabo, S.
H Pathogenesis of Acrylonitrile Poisoning: Role of Glutathione and Coagulation Changes.
Symposium: 1st International Congress on Toxicology. Toronto, Canada, Mar. 30-Apr. 2, 1977.
- Szabo, S.; Selye, H.
H Adrenal Apoplexy and Necrosis Produced by Acrylonitrile.
Endokrinologie, 57(3):405-8 (1971)
- Szabo, S.; Selye, H.
H Adrenal Apoplexy Produced by Acrylonitrile and Its Prevention by Acth and Hypophysectomy.
Fed. Proc., 30(2):307 (1971)
- Szabo, S.; Reynolds, E.S.; Kovacs, K.
H Animal Model of Human Disease. Waterhouse-Friderichsen Syndrome. Animal Model: Acrylonitrile-induced Adrenal Apoplexy.
Am. J. Pathol., 82(3):653-6 (1976)
- Szabo, S.; Bailey, K.A.; Boor, P.J.; et al.
H Acrylonitrile and Tissue Glutathione: Differential Effect of Acute and Chronic Interactions.
Biochem. Biophys. Res. Commun., 79(1):32-7 (1977)

- H Szabo, S.; Boor, P.J.; Oelwang, M.C.; et al.
Pathogenesis of Acrylonitrile Poisoning Role of Glutathione and Coagulation Changes.
 Symposium: International Congress on Toxicology. Toronto, Canada, 1977. Edited by Burford, R.G., 52 pp.
- H Szabo, S.; Huttner, I.; Kovacs, K.; et al.
Pathogenesis of Experimental Adrenal Hemorrhagic Necrosis Ultrastructural, Biochemical, Neuropharmacologic, and Blood-Coagulation Studies with Acrylonitrile in the Rat.
 Lab. Invest., 42(5):533-46 (1980)
- H Szabo, S.; Reynolds, E.S.; Komanicky, P.; et al.
Effect of Chronic Acrylonitrile Ingestion on Rat Adrenal.
 Toxicol. Appl. Pharmacol., 37(1):133 (1976)
- H Szewczuk, A.; Ziomek, E.; Mordarski, M.; et al.
Properties of Penicillin Amidase Immobilized by Copolymerization with Acrylamide.
 Biotechnol. Bioeng., 21(9):1543-52 (1979) (Pol)
- Tada, O.
On the Determination of Gases and Vapors.
 Japan Air Cleaning Assoc. J., 14(8):21-33 (1977) (Jpn)
- E Takagi, H.
Waste Water Treatment with Powdered Activated Carbon Regenerated by Catalytic Wet Air Oxidation.
 Mizu Shori Gijutsu, 20(1):53-62 (1979) (Jpn)
- H Takagi, N.; Takagi, K.; Matsuda, T.; et al.
Nutrition in Relation to Environment. III. Effect of Administration of Vitamins B1 or B2 Plus L-Cystine to Rats Exposed to Acrylonitrile Gas over a Long Period.
 Rodo Kagaku, 44(8):454-64 (1968) (Jpn)
- H Takizawa, A.; Nayama, E.
Changes in Thiocyanate Level in Urine.
 Rodo Eisei, 20(8):56-9 (1979) (Jpn)

- Takizawa, Y.
H Not Yet Regulated Air Pollutants: Hydrogen Cyanide.
Kankyo Hoken (Environ. Health Rep.), 39(11):1-5 (1976) (Jpn)
- Tan, S.; Okada, T.
H Hygienic Studies on Plastic Containers and Packages. IV.
Determination of Residual Acrylonitrile in Acrylonitrile/Styrene
Copolymers and Acrylonitrile/Butadiene/Styrene Copolymers.
Shokuhin Eiseigaku Zasshi, 20(4):228-32 (1979) (Jpn)
- Tarkowski, S.
H Effect of Acrylonitrile on Certain Properties of Cytochrome
Oxidase.
Med. Pracy, 19(6):525-31 (1968) (Pol)
- Tatsuno, T.; Inove, T.; Tanimora, A.
H Hygienic Chemical Studies on Plastics (II). Residual
Acrylonitrile in ABS Resin or AS Resin and Its Migration into
Water.
Eisei Shikenjo Hokoku, (97):93-7 (1979) (Jpn)
- Taubinger, R.P.
Direct Determination of Free Acrylonitrile in Aqueous Copolymer
Latexes. I. Rapid Potentiometric Tritiation Method.
Analyst, 94(1121):628 (1969)
- Thelestam, M.; Curvall, M.; Enzell, C.R.
H Effect of Tobacco Smoke Compounds on the Plasma Membrane of
Cultured Human Lung Fibroblasts.
Toxicology, 15(3):203-17 (1980)
- Thiess, A.M.; Fleig, I.
H Analysis of Chromosomes of Workers Exposed to Acrylonitrile.
Arch. Toxicol., 41(2):149-52 (1978)
- Thomas, T.J.; Srinivasan, S.; Gower, C.C.
E The Influence of Environmental Factors on Hazardous Spill
Amelioration.
Proceedings: 3rd National Conference on Control Hazard Material
Spills. pp.303-13 (1976)

- Tichy, M.; Horejsi, M.; Cikrt, M.
H Effect of Some Chelating Agents on Biliary Excretion of Mercury. 2. Relationship between Excretion of Mercury and Binding to Bile Fractions.
J. Hyg. Epidemiol. Microbiol. Immunol. (Prague), 24(3):309-23 (1980)
- Tokyo Organic Chemical Industries, Ltd.
Kuyama, H.
E Pretreating Waste Water with a Gel-Type Polymer before Adsorption.
Japan, Patent No. 73 75476
Oct. 11, 1973
- Tolonen, M.
H The IV International Symposium on Occupational Health in the Production of Artificial Fibers.
Symposium: Institute of Occupational Health. Helsinki, 1977.
41 pp.
- Toray Industries, Inc.
E Acrylonitrile Separation from Gas Contg. Acetonitrile - by Adding Mixt. to Absorption Tower and Contacting with Counter Current of Water to Separate Acetonitrile.
Japan, Patent No. 057308,
May 23, 1974
- Torkelson, T.R.; Hoyle, H.R.; Rowe, V.K.
H Toxicological Hazards and Properties of Commonly Used Space, Structural and Certain Other Fumigants.
Pest Control, 34(7):13-8, 42-50 (1966)
- Tsaun, G.Y.
H Hygienic Evaluation and Ways for Improving the Working Condition of Young Female Process Operators in the Production of Acetylene and Acrylonitrile.
Gig. Aspekty Okhr. Zdorov'ya Naseleniya, pp.244-5 (1977) (Rus)
- Tulp, M.; Roof, A.; Hutzinger, O.
E Environmental Chemistry to Prevent Disasters and Reduce Pollution.
Chem. Weekbl., 74:139-42 (Mar. 1978) (Dut)

- Uhde, W.J.; Koehler, U.
Testing of Plastic Articles. Determination of Monomeric Compounds in the Volatile Fractions of Styrene Polymers.
 Z. Lebensm. Unters. Forsch., 135(3):135-40 (1967) (Ger)
- H United Kingdom. British Plastics Federation
Plastics for Food Contact Application. A Code of Practice for Safety in Use.
 Br. Plast. Fed. 2nd ed. 63 pp. (1973)
- H United Kingdom. Health and Safety Executive
H&SE - Latest TLVs the Absolute Limit.
 Process Eng., 7(Sep. 1978)
- H United Kingdom. Health and Safety Executive
Toxicity Limits Revised.
 Plast. Rubb. Int., 3(6):235 (Nov. - Dec. 1978)
- H United Kingdom. Ministry of Labour
Acrylonitrile, Methods for the Detection of Toxic Substances in Air.
 Ministry of Labour, London, 16:10 (1966)
- H United Nations. Food and Agriculture Organization/World Health Organization Joint Committee
Review of Harmful Substances.
 IMCO-FOA-UNESCO WMO-WHO-IAEA-UN JT Group Experts Sci. Aspects Map. Poll. UT-Gesamp. Rep. Stud., (2):1-80 (1976)
- H United Nations. World Health Organization. International Agency for Research on Cancer
Evaluation of Carcinogenic Risk of Chemicals to Man. Some Monomers, Plastics, and Synthetic Elastomers, and Acrolein.
 Proceedings: Lyon, Feb. 7-13, 1978.
 IARC Monographs, Vol. 19 (1979)
- H United Nations. World Health Organization. International Agency for Research on Cancer
WHO International Agency for Research on Cancer Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans. Vol. 1-20 Supplement 1. Chemical and Industrial Processes Associated with Cancer in Humans. Lyon, France, Jan. 15-17, 1979.
 IARC Monographs, Vols. 1-20 (Suppl. 1) (1979)

United States. Consumer Product Safety Commission
Maddock, J.T.; Byer, W.L.; Malseed, R.T.; et al.
H Acrylonitrile.
CPSC Report No. AAI-2383/2384-700-TR-3, p. 110 (Dec. 17, 1977)

United States. Department of Commerce. National Bureau of
Standards
Oettel, H.
H Health Dangers during the Manufacture Processing and
Decomposition of Synthetic Products.
NBS Report No. 9833, 12 pp. (May 6, 1968) (Translated from
Selected Portions of Article Published in Moderne
Unfallverhütung, 10:3-27 (1966))

United States. Department of Commerce. National Bureau of
Standards
Sweger, D.M.; Freund, S.M.; Travis, J.C.
H Highly Selective, Quantitative Measurement of Atmospheric
Pollutants Using Carbon Monoxide and Carbon Dioxide Lasers.
Symposium: 8th Methods Stand. Environ. Meas., Mater. Res.
Symp. Gaithersburg, MD, Sep. 20-24, 1976. pp. 317-20 (1977)

United States. Department of Commerce. National Bureau of
Standards
Sweger, D.M.; Travis, J.C.
An Application of Infrared Lasers to the Selective Detection of
Trace Organic Gases.
Appl. Spectroscopy, 33(1):46-51 (1979)

United States. Department of Health, Education and Welfare.
Public Health Service. Center for Disease Control. National
Institute for Occupational Safety and Health
NIOSH Analytical Method Acrylonitrile S156 (Set K).
Division of Physical Sciences and Engineering. Cincinnati, OH,
8 pp. (Apr. 1976)

United States. Department of Health, Education and Welfare.
Public Health Service. Center for Disease Control. National
Institute for Occupational Safety and Health
Barrett, W.J.
Progress in the Development of Sampling and Analytical Methods
for Organic Materials.
Symposium: 2nd NIOSH Solid Sorbents Roundtable. Cincinnati, OH.
HEW Publication No. (NIOSH) 76-193. Edited by Ballou, E.V., pp.
209-24 (Pub. Jul. 1976)

United States. Department of Health, Education and Welfare.
Public Health Service. Center for Disease Control. National
Institute for Occupational Safety and Health
Finklea, J.F.

- H Acrylonitrile.
Vet. Hum. Toxicol., 19(3):219-20 (1977)

United States. Department of Health, Education and Welfare.
Public Health Service. Center for Disease Control. National
Institute for Occupational Safety and Health
Finklea, J.F.

- H Current NIOSH Intelligence Bulletin - Acrylonitrile.
Am. Ind. Hyg. Assoc. J., 38(9):417, 419, 421-2 (Sep. 1977)

United States. Department of Health, Education and Welfare.
Public Health Service. Center for Disease Control. National
Institute for Occupational Safety and Health

- H NIOSH: A Recommended Standard for Occupational Exposure to
Acrylonitrile.
PHS, NIOSH, CDC, Cincinnati, OH, DHEW (NIOSH) Publ. (U.S.)
78-116, 14 pp. (1978)

United States. Department of Health, Education and Welfare.
Public Health Service. Center for Disease Control. National
Institute for Occupational Safety and Health
Schultz, K.S.; Gideon, J.A.; Bochinski, J.H.

- H Application of Control Technology Developed in the Polyvinyl
Chloride Industry to Polymerization Processes Using
Acrylonitrile.
Am. Ind. Hyg. Assoc. J., 40(2):128-36 (Feb. 1979)

United States Department of Health, Education and Welfare.
Public Health Service. Food and Drug Administration
Kennedy, D.

- H FDA Bans on Bottles.
Chem. Week, 21(13):22 (Sep. 28, 1977)

United States. Department of Health and Human Services. Public
Health Service. Center for Disease Control. National Institute
for Occupational Safety and Health.

- H Fine, L.J.; Eisenstadt, E.; Kado, N.
Occupational Exposures and Rates of DNA Damage.
Contract No. RO1 OH 01253-01
Sep. 1980 - Aug. 1981

United States. Department of Labor. Occupational Safety and Health Administration
H Acrylonitrile, Aniline, Ethylamine, Ethylenediamine, Morpholine, Set K.
U.S. NTIS, PB-267224, 70 pp. (1976)

United States. Department of Labor. Occupational Safety and Health Administration
DuPont de Nemours, E.I. and Co.
Karrh, B.W.
H Acrylonitrile Linked to Cancer in Workers.
Chem. Eng. News, 55(22):6 (May 30, 1977)
Chem. Week, 120(22):15 (Jun. 1, 1977)

United States. Department of Labor. Occupational Safety and Health Administration
Environ. Control, Inc.
Economic Impact Assessment for Acrylonitrile.
U.S. NTIS, PB-278344, 260 pp. (1978)

United States. Department of Labor. Occupational Safety and Health Administration
H Mice and Men.
Health Safety Work, 1(4):26-9 (Dec. 1978)

United States. Department of Labor. Occupational Safety and Health Administration
H Occupational Exposure to Acrylonitrile.
Fed. Regist., 43(11):2586-621 (Jan. 17, 1978)

United States. Department of Labor. Occupational Safety and Health Administration
H Occupational Safety and Health Standards - Occupational Exposure to Acrylonitrile.
Fed. Regist., 43(192):45762-819 (Oct. 3, 1978)

United States. Department of Labor. Occupational Safety and Health Administration
H Occupational Safety and Health Standards: Toxic and Hazardous Substances.
Fed. Regist., 44(29, Bk. 2):8575-833 (1979)

- United States. Department of Labor. Occupational Safety and Health Administration
Ratney, R.S.
H OSHA Regulations - An Update.
J. Coated Fabr., 8(4):291-3 (Apr. 1979)
- United States. Department of Labor. Occupational Safety and Health Administration
H Identification, Classification, and Regulation of Potential Occupational Carcinogens.
Fed. Regist., 45(15 Bk. II):5001-296 (Jan. 22, 1980)
- United States. Department of Labor. Occupational Safety and Health Administration. Environmental Protection Agency.
Department of Health, Education and Welfare. Public Health Service. Food and Drug Administration. Consumer Product Safety Commission
H Hazardous Substances Summary and Full Development Plan.
U.S. NTIS, PB-289923, 224 pp. (1978)
- United States. Department of Labor. Occupational Safety and Health Administration. Executive Office of the President.
Council on Wage and Price Stability
DuPont de Nemours, E.I. and Co.
Behr, P.
Controlling Chemical Hazards.
Environment, 20(6):25-9 (Jul. - Aug. 1978)
- United States. Environmental Protection Agency
Laforneria, J.P.; Wilder, I.
E Control of Hazardous Material Spills in the Water Environment.
Proceedings: 162nd American Chemical Society National Meeting.
Washington, DC, 1971.
Water Sewage Works, 119(1):82, 94-85, 87-8 (Jan. 1972)
- United States. Environmental Protection Agency
E Systems and Costs to Control Hydrocarbon Emissions from Stationary Sources.
U.S. NTIS, PB-236 921, 46 pp. (Sep. 1974)

- United States. Environmental Protection Agency
Schwartz, W.A.; Higgins, F.B. Jr.; Lee, J.A.; et al.
E Engineering and Cost Study of Air Pollution Control for the
Petrochemical Industry. Volume 2: Acrylonitrile Manufacture.
Office of Air and Waste Management, EPA Report No.
450/3-73-006-6, 103 pp. (Feb. 1975)
- United States. Environmental Protection Agency
Tierney, D.R.; Blackwood, T.R.; Wilkins, G.E.
E Status Assessment of Toxic Chemicals: Acrylonitrile.
EPA Report No. 600/2-79-210A (Nov. 1-Dec. 31, 1977)
- United States. Environmental Protection Agency
E Ambient Water Quality Criteria: Acrylonitrile.
U.S. NTIS, PB-297915/1st, 143 pp. (1978)
- United States. Environmental Protection Agency
Stollman, J.; Eyraud, J.; Gantz, G.; et al.
E Economic Impact Analysis of Anticipated Hazardous Waste
Regulations on the Industrial Organic Chemicals, Pesticides, and
Explosives Industries.
Office of Solid Waste Management Programs, U.S. NTIS, PB-279 645
(May 27, 1977 - Jan. 26, 1978)
- United States. Environmental Protection Agency
Going, J.E.; Kuvkendaho, P.; Long, S.; et al.
E Environmental Monitoring Near Industrial Sites: Acrylonitrile.
Office of Toxic Substances, EPA Report No. 560/6-79/003, 285 pp.
(Dec. 1978)
- United States. Environmental Protection Agency
E EPA Defines 'Hazardous' in Chemical Waste Streams.
Chem. Week, 123(23):49-50 (Dec. 6, 1978)
- United States. Environmental Protection Agency
H Proposed Regulations for Control of Organic Chemical
Contaminants in Drinking Water.
Fed. Regist., 43(130):29135-50 (Jul. 6, 1978)
- United States. Environmental Protection Agency
Angum, M.T.; Anderson, S.
E Acrylonitrile Plant Air Pollution Control.
EPA Report No. 600/2-79/048, U.S. NTIS, PB-2 95024
Gov. Rep. Announce. Index, 79(18):84 (1979)

- E United States. Environmental Protection Agency
Guidelines Establishing Test Procedures for the Analysis of Pollutants.
Fed. Regist., 44(233):69464-575 (Dec. 3, 1979)
- H United States. Environmental Protection Agency
Human Exposure to Atmospheric Concentrations of Selected Chemicals.
Final Report (Aug. 1979)
- United States. Environmental Protection Agency
A New Sampling Tool for Monitoring Exposures to Toxic Gases and Vapors.
Proceedings: Symp. Dev. Usage Pers. Monit. Exposure Health Eff. Stud.
Off. Res. Dev., EPA Report No. 600/9-79-032, pp. 479-91 (1979)
- H United States. Environmental Protection Agency
The U.S. EPA is Proposing a Health and Safety Data Reporting Rule, Which Would Require Submission of Lists and Copies of Health and Safety Studies.
Fed. Regist., 44(251):77470-9 (Dec. 31, 1979)
- H United States. Environmental Protection Agency
Water Quality Criteria; Availability.
Fed. Regist., 44(191):56628-57 (1979)
- E United States. Environmental Protection Agency
Ambient Water Quality Criteria for Acrylonitrile.
Criteria and Standards Div., EPA Report No. 440/5-80-017 (Oct. 1980)
- E United States. Environmental Protection Agency
Carbon Adsorption Isotherms for Toxic Organics.
Office of Research and Development, EPA Report No. 600/8-80-023, 331 pp. (1980)
- United States. Environmental Protection Agency
EPA Labels: Worry about Costs, Secrets.
Plast. World, 38(9):15 (Sep. 1980)

- H United States. General Accounting Office
Food Additive, Acrylonitrile, Banned in Beverage Containers.
GAO, 17 pp. (1977)
- United States. National Academy of Sciences
Drinking Water and Health. Volume 3.
NAS Publ., pp. 67-70 (1980).
- H Uzunova, S.V.
Physical and Hygienic Properties of Textiles for Children's
Clothing Made of Synthetic and Artificial Fibers.
Gig. Sanit., (1):79-82 (1976) (Rus)
- H Uzunova, S.; Kruleva, P.; Iordanova, I.; et al.
Sanitary - Chemical, Allergologic and Microbiological Studies on
Textile Materials Intended for Shirts and Blouses.
Khig. Zdraveopaz., 23(4):312-19 (1980) (Bul)
- H Vainio, H.; Makinen, A.
Styrene and Acrylonitrile Induced Depression of Hepatic
Nonprotein Sulfhydryl Content in Various Rodent Species.
Res. Commun. Chem. Pathol. Pharmacol., 17(1):115-24 (1977)
- H Valic, F.; Zuskin, E.
Respiratory - Function Changes in Textile Workers Exposed to
Synthetic Fibers.
Arch. Environ. Health, 32(6):283-7 (1977)
- H Van Duuren, B.L.
Aromatic Hydrocarbons in Cigarette Smoke.
J. Cancer Inst., 21:7 (1958)
- H Van Lierop, J.B.H.
Determination of Potentially Carcinogenic Compounds in Food:
Trace Analysis of Vinylchloride, Vinylidenechloride,
Acrylonitrile, Epichlorohydrin and Diethylpyrocarbonate.
Wageningen: Lanbouwhogeschool Wageningen, 61(33):11 (1979)
(Dut)
- H Van Luijt, D.E.
Acrylonitrile Poisoning with Fatal Outcome.
Ned. Tijdschr. Geneesk., 107(II. 47):2186-8 (Nov. 23, 1963)

- Varma, M.M.; Katz, H.M.; Serdahely, S.G.
H Physiological Effects of Trace Elements and Chemicals in Water.
J. Environ. Health, 39(2):90-100 (Sep.-Oct. 1976)
- Venitt, S.; Bushell, C.T.
H Mutagenicity of Acrylonitrile in Bacteria.
Mutat. Res., 46(3):241 (1977)
- Venitt, S.; Milvy, P.
H Mutagenic Studies with Acrylonitrile (Three Letters to Editor).
Mutat. Res., 57(1):107-13 (1978)
- Venitt, S.; Bushell, C.T.; Osborne, M.
H Mutagenicity of Acrylonitrile in Escherichia coli.
Mutat. Res., 45(2):283-8 (1977)
- Vettorazzi, G.
H State of the Art of the Toxicological Evaluation Carried Out by the Joint FAO/WHO Expert Committee on Pesticide Residues. III. Miscellaneous Pesticides Used in Agriculture and Public Health.
Residue Rev., 66:137-84 (1977)
- Vissarionova, V. Ya.; Bondarev, G.I.; Zemlyanskaya, T.A.
H The Protective Specifically Oriented Effect of Some Substances in Acrylonitrile Poisoning.
Vopr. Pitan., (6):3-7 (1978)
- Vistron Corp.
Vistron Unaffected by Proposed Acrylonitrile Film Ban in Canada.
Eur. Chem. News, 35(958):26 (Nov. 24, 1980)
- Volkova, Z.A.; Bagdinov, Z.M.
H Industrial Hygiene Problems in Vulcanization Processes of Rubber Production.
Gig. Sanit., 34(9):33-40 (1969) (Rus)
- Vorontsova, S.A.
H Morphological Changes in the Skin and Internal Organs Following Percutaneous Administration of Acrylonitrile under Experimental Conditions.
In: Monograph of the French Language Society of Resuscitation: Acute Peritonitis and Resuscitation. pp. 298-302 (1973) (Fre)
Kozhn. Put Postupleniya Prom. Yadoy Organizm Ego Profilatika, pp. 99-102 (1977) (Rus)

- Wagner, G.; Mletzko, H.G.; Henkel, W.
H Physiological and Biochemical Studies on the Extraaural Effects of Noise on Laboratory Rats.
Wiss. Z. Martin Luther Univ. Halle-Wittenberg Math. Naturwiss. Reihe, 29(2):29-34 (1980) (Ger)
- Wawzonek, S.; Ponseti, I.V.; Shepard, R.S.; et al.
H Epiphyseal Plate Lesions, Degenerative Arthritis, and Dissecting Aneurysms of the Aorta Produced by Aminonitriles.
Sciences, 121:63-5 (1955)
- Waxweiler, R.J.
H Epidemiologic Investigation of Lung Cancer in a Multixenobiotic Occupational Environment.
Dissertation for Ph.D., University of North Carolina, Chapel Hill
Diss. Abstr. Int. B. Sci. Eng., 39(11):187 (May 1979)
- Whitney, W.K.
H Physical, Chemical, and Biological Properties of Fumigants.
Pest Control, 29(7):16, 18-21 (1961)
- Wilson, R.H.
H Health Hazards Encountered in the Manufacture of Synthetic Rubber.
J. Am. Med. Assoc., 124(11):701-3 (1944)
- Wilson, R.H.; McCormick, W.E.
H Acrylonitrile - Its Physiology, and Toxicology.
Ind. Med., 18:243-5 (Jun. 1949)
- Wilson, R.H.; Hough, G.V.; McCormick, W.E.
H Medical Problems Encountered in the Manufacture of American-made Rubber.
Ind. Med., 17:199-207 (1948)
- Wisniewska-Knypl, J.M. Jr.; Knobloch, K. Jr.; Jablonska, J. Jr; et al.
H Decrease in Tissue Respiration, Oxoglutarate Dehydrogenase Activity and the Level of Sulfhydryl Groups in Acute Acrylonitrile Poisoning in Rats.
Med. Pracy., 21(6):543-9 (1970) (Pol)

- Wolfsie, J.H.
H Treatment of Cyanide Poisoning in Industry.
Arch. Ind. Hyg. Occup. Med., 4(5):417-35 (Nov. 1951)
- Wynder, E.L.; Hoffman, P.
H Tobacco and Tobacco Smoke. Studies in Experimental Carcinogenesis.
New York: Academic Press, p. 450 (1967)
- Yamamoto, K.; Yamamoto, Y.
H On the Acute Toxicities of the Combustion Products of Various Fibers, with Special Reference to Blood Cyanide and PO2 Values.
Z. Rechtsmed., 81(3):173-9 (1978)
- Yang, J.; Parkin, G.F.; Speece, R.E.
H Recovery of Anaerobic Digestion after Exposure to Toxicants.
Final Report, 170 pp. (Dec. 1979)
- Yoshida, M.; Furuichi, Y.; Kaziyo, Y.; et al.
H Modification of Nucleosides and Nucleotides. IX. Inactivation of Coding Response of Yeast tRNA Containing Inosine Residue by Cyanoethylation.
Biochim. Biophys. Acta 166(3):636-45 (1968)
- Yoshida, M.; Furuichi, Y.; Ukita, T.; et al.
H The Effect of Cyanoethylation on Codon Recognition of Yeast tRNA Containing Inosine.
Biochim. Biophys. Acta, 149(1):308-10 (1967)
- Yoshida, R.; Watanabe, Y.; Sato, K.; et al.
H Survey of Residual Acrylonitrile Monomer in AS and ABS Resin Food Containers.
Tokyo Toritsu Eisei Kenkyusho Kenkyu Nempo, (30-1):163-6 (1979) (Jpn)
- Yoshikawa, H.
H Toxicity of Nitrile Compounds. I. Aliphatic Nitriles.
Igaku To Seibutsugaku, 77(1):1-4 (1968)
- Young, J.D.; Braun, W.H.; Langvardt, P.W.; et al.
Identification of the Major Urinary Metabolites of Acrylonitrile in the Rat.
J. Toxicol. Environ. Health, 6(2):273 (Mar. 1980)

- Zabezhinskaya, N.A.; Bruk, E.S.; Ozerova, V.F.; et al.
H Maximum Allowable Concentration of Acrylonitrile in Reservoirs.
Sanit. Okhr. Vodoemov, Kagryaz. Prom. Stokhnyimi Vodami, 4:147-155
- Zamchalov, A.I.; Glikstein, M.D.; Gazanchants, R.I.; et al.
H A Hygienic Evaluation of the Working Conditions and Health of Workers in the Experimental Synthesis of Acrylonitrile.
Ref. Zh. Otd. Vyp. Farmakol. Khimioter. Sredstva. Toksikol., (2.54.800):53-4 (1967)
- Zeller, H.; et al.
H Toxicity of Nitriles (Results of Animal Experiments and 15 Years Experience in Industrial Medicine).
Zbl. Arbeitsmed., 19:225-38 (1969) (Ger)
- Zemlyanskaya, T.A.; Vissarionova, V.Ya.; Bondarev, G.I.
H Effect of Ascorbic Acid and Some Group B Vitamins on Subacute Poisoning with Acrylonitrile in Rats.
Vopr. Pitan., (4):56-62 (1979) (Rus)
- Zittig, A.; Heinonen, T.
H Decrease of Reduced Glutathione in Isolated Rat Hepatocytes Caused by Acrolein, Acrylonitrile, and the Thermal Degradation Products of Styrene Copolymers.
Toxicology, 17(3):333-42 (1980)
- Zittig, A.; Savolainen, H.
H Effects of Single and Repeated Exposures to Thermooxidative Degradation Products of Polyacrylonitrile-butadiene-styrene on Rat Lung, Liver, Kidney, and Brain.
Arch. Toxicol., 46(3-4):295-304 (1980)
- Zoldners, J.; Deme, L.
E Effect of Moisture Content on the Penetration of Monomers into the Cell Wall of Wood.
Khim. Drev., (4):61-9 (1979) (Rus)
- Zotova, L.V.
H Activity of Some Enzymes in the Blood of Workers in the Acrylonitrile Industry.
Biol. Akt. Veshchestva Rastenievod. Zhivotnovod. Med., pp. 98-100 (1975) (Rus)

- Zotova, L.V.
H Working Conditions in the Production of Acrylonitrile and Their Influences on the Workers.
Gig. Tr. Prof. Zabol., (8):8-11 (1975) (Rus)
- Zotova, L.V.
H The Toxic Action of Acrylonitrile Entering the Body of Experimental Animals Via the Skin.
Gig. Sanit., (10):103-5 (1976)
- Zotova, L.V.
H Comparative Toxicity of Acrylonitrile Following Inhalation and Percutaneous Application.
Kozhn. Put Postupleniya Prom. Yarov Organizm Ego Profilaktika, pp. 37-45 (1977) (Rus)
- Zubakova, G.S.
H Methodological Approaches to Studying the State of the Liver Exposed to the Action of Chemical Substances.
Sov. Med., (11):107-9 (1979) (Rus)
- Zubakova, G.S.; Akinchits, M.A.
H Enzymohepatograms of Women Occupied with the Production of Articles from a Copolymer of Styrene, Methylmethacrylate, and Acrylonitrile.
Gig. Aspekty Okhr. Zdorov'ya Naseleniya, pp. 82-3 (1977) (Rus)

APPENDICES

Appendix I

Abstract Collections Manually Searched

<u>Source</u>	<u>Period of Coverage</u>
Chemical Abstracts*	(1930-1976)
Biological Abstracts*	(1930-1970)
Excerpta Medica*	
Physiology, Biochemistry, Pharmacology, Toxicology	(1965-1974)
Cancer	(1953-1974)
Public Health, Social Medicine, Hygiene	(1955-1974)
Clinical Biochemistry	(1969-1974)
Pharmacology and Toxicology	(1969-1974)
Occupational Health	(1972-1975)
Current Contents	
Life Sciences	(Oct. 1979-Mar. 1980) (Apr. 1981-May 1981)
Physical Sciences	(Oct. 1979-Mar. 1980) (Apr. 1981-May 1981)
Agriculture	(Oct. 1979-Mar. 1980) (Apr. 1981-May 1981)
Industrial Hygiene Digest	(1943-1979)
Index Medicus*	(1930-1976)
Toxicology Research Projects Directory	(Oct. 1979-Mar. 1980)

*Recent issues searched on-line.

Appendix II

On-Line Databases Searched

National Library of Medicine (MEDLARS)

<u>File</u>	<u>Coverage Period of File</u>
+ indicates that the database is continually updated.	
Chemline	N/A
Toxline	1974+
Toxback	1965-1973
Cancerlit	Jan. 1963+
Cancerproj	1976-1978
Medline	Jan. 1977+
Back 66	Jan. 1966-Dec. 1968
Back 69	Jan. 1969-Dec. 1971
Back 72	Jan. 1972-Dec. 1974
Back 75	Jan. 1975-Dec. 1976
SDILINE	Present Month's Update
Toxicology Data Bank	N/A
RTECS	1978 Edition

<u>Search</u>	<u>Strategy</u>
(RN)	107-13-1
(TW)	acrylon
(TW)	acrylonitrile
(TW)	carbacyl
(TW)	vinyl and cyanide
(TW)	cyanoethylene
(TW)	Fumigrain
(TW)	Miller's Fumigrain
(TW)	Miller's and Fumigrain
(TW)	propenenitrile
(TW)	VCN
(TW)	Ventrox
(MH)	Acrylonitrile (post 1977)

All search statements were combined with the logical operator "or" before printout.

Appendix II

On-Line Databases Searched (cont'd)

Department of Energy (RECON)

<u>File</u>	<u>Coverage Period of File</u>
+ indicates that the database is continually updated.	
Water Resources Abstracts	1968+
Environmental Mutagen Information Center	1969+
Environmental Teratogen Information Center	1975+

Search Strategy

IT= acrylonitrile

RN= 107-13-1

Chemical Information System*

Structure and Nomenclature Search System (SANSS)
(RN) 107-13-1

*Searched to obtain synonyms only

National Institute for Occupational Safety and Health

NIOSHTIC 1973+

+ indicates that the database is continually updated.

Search Strategy

acrylonitrile

107-13-1

Appendix II

On-Line Databases Searched (cont'd)

Lockheed Information Systems (DIALOG)

<u>File</u>	<u>Coverage Period of File</u>
+ indicates that the database is continually updated	
Agricola	Aug. 1971+
Air Pollution Technical Information Center	1976-Sep. 1978
Aquatic Sciences and Fisheries Abstracts	Jan. 1975+
Biosis Previews	1969+
Chemical Abstracts Search	1970+
Commonwealth Agriculture Bureaux Abstracts	Jan. 1973+
Chemical Industry Notes	1974+
Chemname	N/A
Claims/Chem	1950-1970
Comprehensive Dissertation Abstracts	1861+
Conference Papers Index	1973+
Current Research Information System	Jul. 1974+
EIS Industrial Plants	N/A
Enviroline	1971+
Environmental Periodicals Bibliography	1973+
Excerpta Medica	Jun. 1974+
Food Science & Technology Abstracts	1969+
GPO Monthly Catalog	Jul. 1973+
National Technical Information Service	1964+
Oceanic Abstracts	1964+
Pollution Abstracts	1970+
PTS Funk and Scott Indexes	1972+
PTS Federal Index	Oct. 1976+
PTS Prompt	1972+
PTS Annual Time Series	Jul. 1971+
PTS US Statistical Abstracts	Jul. 1971+
Rubber & Plastics Research Association Abstracts	1972+
SciSearch	Jan. 1974+
Smithsonian Science Information Exchange	Most Recent 2 Yrs.
Current Research Information System	Jul. 1974+
Compendex	1970+
Inspec	1969+
Metadex	1966+
Pira	1975+
Claims/U.S. Patent	Abstracts Weekly
Claims/U.S. Patent	1971+
Claims/Class	Oct. 1975+

Appendix II

On-Line Databases Searched (cont'd)

Lockheed Information Systems (DIALOG)

Search Strategy

acrylon
acrylonitrile
carbacyl
vinyl cyanide
vinyl(w)cyanide
cyanoethylene
cyano(w)ethylene
ENT 54
ENT(w)54
Fumigrain
Miller's Fumigrain
Miller's(w)Fumigrain
propenetrile
2(w)propenenitrile
TL 314
TL(w)314
VCN
Ventox

RN 107-13-1 used in appropriate files

Appendix II

On-Line Databases Searched (cont'd)

Systems Development Corporation (ORBIT)

<u>Database</u>	<u>Coverage Period of File</u>
+ indicates that the database is continually updated.	
Apilit	1974+
Apipat	1964+
Chemdex	1972+
Crecord	1976+
Fedreg	Mar. 1977+
Libcon	1968+
Paperchem	1968+
P/E News	1975
Safety Science	Jun. 1975+
Titus	1970+
World Patent Index	1963+

Search Strategy

(RN) 107-13-1 (in appropriate files)

acrylon

acrylonitrile

carbacyl

vinyl cyanide

vinyl and cyanide

cyanoethylene

Fumigrain

Miller's Fumigrain

Miller's and Fumigrain

propenenitrile

VCN

Ventox

All search statements were combined with the logical operator "or" before printout.