



TOXICS RELEASE INVENTORY

List of Toxic Chemicals within Ethylenebisdithiocarbamic Acid Category

Section 313 of EPCRA requires certain facilities manufacturing, processing, or otherwise using listed toxic chemicals to report their environmental releases of such chemicals annually. Beginning with the 1991 reporting year, such facilities also must report pollution prevention and recycling data for such chemicals, pursuant to section 6607 of the Pollution Prevention Act, 42 U.S.C. 13106. When enacted, section 313 established an initial list of toxic chemicals that was comprised of more than 300 chemicals and 20 chemical categories. Section 313(d) authorizes EPA to add chemicals to or delete chemicals from the list, and sets forth criteria for these actions.

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Section 1. Introduction

On November 30, 1993 EPA added 21 chemicals and 2 categories to the list of toxic chemicals under section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA) (58 FR 63500). These additions are described at 40 CFR 372.65, and are effective January 1, 1994 for reports due July 1995. Two chemical categories (ethylenebisdithiocarbamic acid (EBDC), salts and esters; warfarin and salts) are included in these additions. At the time of the addition, EPA indicated that the Agency would work with the public and the regulated community to develop, as appropriate, interpretations and guidance the Agency determines are necessary to facilitate accurate reporting for these categories. This document constitutes such guidance for EBDC, salts and esters.

EPCRA section 313 requires threshold determinations for chemical categories to be based on the total of all chemicals in the category manufactured, processed, or otherwise used. For example, a facility that manufactures three members of a chemical category would count the total amount of all three chemicals manufactured towards the manufacturing threshold for that category. When filing reports for chemical categories, the releases are determined in the same manner as the thresholds. One report is filed for the category and all releases are reported on this form.

The EBDC salts and esters category is subject to the one percent *de minimis* concentration. Thus, mixtures that contain members of these categories in excess of the *de minimis* should be factored into threshold and release determinations.

Any compound which has a EDBC salt or ester component is reportable. EPA is providing the following list of CAS numbers and chemical names to aid the regulated community in determining whether they need to report for the EDBC category. However, this list is not exhaustive. If a facility is manufacturing, processing, or using a chemical which has a EBDC salt or ester component, they must report to TRI, even if this chemical does not appear on the following list.

Who Must Report

A plant, factory, or other facility is subject to the provisions of Section 313, if it meets all three of the following criteria:

- It conducts manufacturing operations (is include in Standard Industrial Classification (SIC) codes 2 through 39) or is a federal facility; and
- It has 10 or more full-time employees (or the equivalent 20,000 hours per year); and

- It manufacturers, imports, processes, or otherwise uses any of the toxic chemicals listed on the EPCRA Section 313 list in amounts greater than the "threshold" quantities specified below.

Thresholds

Thresholds are specified amounts of toxic chemicals used during the calendar year that trigger reporting requirements.

If you *manufacture* or *import* any of the listed toxic chemicals, the threshold quantity will be:

- 25,000 pounds per toxic chemical or category over the calendar year.

If you *process* any of the listed toxic chemicals, the threshold quantity will be:

- 25,000 pounds per toxic chemical or category over the calendar year.

If you *otherwise use* any of the listed toxic chemicals (without incorporating it into any product or producing it at the facility), the threshold quantity is:

- 10,000 pounds per toxic chemical or category over the calendar year.

Section 2. CAS Number List of Chemicals that have CAS numbers within the EDBC Category

EPA is providing the following list of CAS numbers and chemical names to aid the regulated community in determining whether they need to report for the EDBC category. However, this list is not exhaustive. If a facility is manufacturing, processing, or using a chemical which has a EDBC salt or ester component, they must report to TRI, even if this chemical does not appear on the following list.

| Listing by CAS Number of Each Individual Chemical in the Ethylenebis(dithiocarbamic Acid, Salt and Ester (EDBC) Category. | | |
|---|-------------|-------------|
| Collective Index Name | Common Name | CAS Number |
| Unknown | Metiram | Unkown |
| Ethylenebis(dithiocarbamic acid | N/A | 111-54-6 |
| Carbamodithioic acid, 1,2-ethanediybis-, disodium salt | Nabam | 142-59-6 |
| Carbamic acid, ethylenebis[dithio-, ammonium sodium salt) | N/A | 1428-76-8 |
| Carbamodithioic acid, 1,2-ethanediybis-, diammonium salt | N/A | 3566-10-7 |
| Carbamodithioic acid, 1,2-ethanediybis-, calcium salt (1:1) | N/A | 5895-18-1 |
| Ethylenebis(dithiocarbamic acid) manganese zinc complex | Mancozeb | 8018-01-7 |
| Carbamodithioic acid, 1,2-ethanediybis-, dipotassium salt | N/A | 10039-34-6 |
| Zinc ethylenebis(dithiocarbamate | Zineb | 12122-67-7 |
| Manganous ethylenebis(dithiocarbamate | Maneb | 12427-38-2 |
| Carbamodithioic acid, 1,2-ethanediybis-, monosodium salt | N/A | 13036-89-0 |
| Carbamodithioic acid, 1,2-ethanediybis-, ammonium salt | N/A | 17188-79-3 |
| Carbamodithioic acid, 1,2-ethanediybis-, sodium salt | N/A | 22124-95-4 |
| Carbamic acid, ethylenebis[dithio-, ammonium potassium salt | N/A | 22221-14-3 |
| Imidocarbamic acid, ethylenebis[dithio-, tetrasodium salt | N/A | 28216-83-3* |
| Ethanol, 2,2',2''-nitrioltris-, 1,2-ethanediybis[carbamodithioate](2:1) (salt) | Amobam T | 33233-06-6* |
| Carbamimidithioic acid, methyl ester, 1,2-ethanediybis[carbamodithioate](2:1) | N/A | 40884-52-4* |
| Carbamodithioic acid, ethyl ester, 1,2-ethanediybis[carbamodithioate](2:1) | N/A | 62938-40-3* |
| Carbamodithioic acid, 1,2-ethanediybis-, potassium salt | N/A | 85051-95-2* |
| Carbamodithioic acid, 1,2-ethanediybis-, barium salt (1:1) | N/A | 90091-45-5* |

N/A - Not applicable

* - Indicates the mixtures under this category

Section 3. CAS Number List of Mixtures Within the EDBC Category

EPA is providing the following list of CAS numbers and chemical names for mixtures which contain EDBC salts and esters. This list will aid the regulated community in determining whether they need to report for the EDBC category. However, this list is not exhaustive. If a facility is manufacturing, processing, or using a mixture that contains an EDBC salt or ester component, they must report to TRI, even if this chemical does not appear on the following list. Threshold calculations for the EDBC category should account only for the percentage of the EDBC salt or ester contained in the mixture.

| Mixtures Containing EDBC Salts and Esters | | |
|---|---------------------|--------------------|
| Mixture Name | EDBC Component | Mixture CAS Number |
| Zinc, bis(dimethylcarbamo dithioato-S,S')-, (T-4)-, mixt. with [[1,2-ethanediy l bis[carbamo dithioato]](2-)]zinc | Zineb 12122-67-7 | 008004-24-8 |
| Manganese, [[1,2-ethanediy l bis[carbamo dithioato]](2-)]-, mixt. with nickel(2+) sulfate (1:1) | Maneb 12427-38-2 | 008005-46-7 |
| Manganese, [[1,2-ethanediy l bis[carbamo dithioato]](2-)]-, mixt. with [[1,2-ethanediy l bis[carbamo dithioato]](2-)]zinc | Zineb 12122-67-7 | 008018-01-7 |
| Manganese, [[1,2-ethanediy l bis[carbamo dithioato]](2-)]-, mixt. with [[1,2-ethanediy l bis[carbamo dithioato]](2-)]zinc | Maneb 12427-38-2 | 008019-01-7 |
| Zinc, [[1,2-ethanediy l bis[carbamo dithioato]](2-)]-, mixt. with nickel(2+) sulfate (1:1) | Zineb 12122-67-7 | 008030-50-0 |
| Manganese, [[1,2-ethanediy l bis[carbamo dithioato]](2-)]-, mixt. with [[1,2-ethanediy l bis[carbamo dithioato]](2-)]zinc and 2(or 4)-isooctyl-4,6(or 2,6)-dinitrophenyl 2-butenate | Maneb 12427-38-2 | 008064-42-4 |
| Manganese, [[1,2-ethanediy l bis[carbamo dithioato]](2-)]-, mixt. with [[1,2-ethanediy l bis[carbamo dithioato]](2-)]zinc and 2(or 4)-isooctyl-4,6(or 2,6)-dinitrophenyl 2-butenate | Zineb 12122-67-7 | 008064-42-4 |
| Copper, [[1,2-ethanediy l bis[carbamo dithioato]](2-)]-, mixt. with [[1,2-ethanediy l bis[carbamo dithioato]](2-)]zinc | Zineb 12122-67-7 | 008065-68-7 |
| Zinc, [[1,2-ethanediy l bis[carbamo dithioato]](2-)]-, mixt. with copper chloride oxide hydrate | Zineb 12122-67-7 | 008066-21-5 |
| Zinc, [[1,2-ethanediy l bis[carbamo dithioato]](2-)]-, mixt. with poly(dithiocarbonothioylimino-1,2-ethanediy l iminocarbonothioyl) | Zineb 12122-67-7 | 008066-22-6 |
| Zinc, [[1,2-ethanediy l bis[carbamo dithioato]](2-)]-, mixt. with 2,3-dichloro-1,4-naphthalenedione and sulfur | Zineb 12122-67-7 | 008066-45-3 |
| Manganese, [[1,2-ethanediy l bis[carbamo dithioato]](2-)]-, mixt. with [[1,2-ethanediy l bis[carbamo dithioato]](2-)]zinc and (OC-6-11)-tris(dimethylcarbamo dithioato-S,S')iron | Maneb 12427-38-2 | 008067-88-7 |
| Manganese, [[1,2-ethanediy l bis[carbamo dithioato]](2-)]-, mixt. with [[1,2-ethanediy l bis[carbamo dithioato]](2-)]zinc and (OC-6-11)-tris(dimethylcarbamo dithioato-S,S')iron | Zineb 12122-67-7 | 008067-88-7 |
| Manganese, [[1,2-ethanediy l bis[carbamo dithioato]](2-)]-, mixt. with chlorotriphenylstannane | Maneb 12427-38-2 | 008068-19-7 |

| Mixtures Containing EDBC Salts and Esters | | |
|--|---------------------|--------------------|
| Mixture Name | EDBC Component | Mixture CAS Number |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with hydroxytriphenylstannane | Maneb 12427-38-2 | 008068-21-1 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with (acetyloxy)triphenylstannane | Maneb 12427-38-2 | 008068-24-4 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with copper(1+) hypochlorite | Zineb 12122-67-7 | 008069-53-2 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with copper and sulfur | Zineb 12122-67-7 | 008070-00-6 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and tetramethylthioperoxydicarbonic diamide ((Me2N)C(S)2S2) | Maneb 12427-38-2 | 008070-06-2 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and tetramethylthioperoxydicarbonic diamide ((Me2N)C(S)2S2) | Zineb 12122-67-7 | 008070-06-2 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with (2,4-dichlorophenoxy)acetic acid | Zineb 12122-67-7 | 008071-31-6 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 6-chloro-N-cyclopropyl-N'-(1-methylethyl)-1,3,5-triazine-2,4-diamine | Maneb 12427-38-2 | 008071-38-3 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with (1a.alpha.,2.beta.,2a.alpha.,3.beta.,6.beta.,6a.alpha.,7.beta.,7a.alpha.)-3,4,5,6,9,9-hexachloro-1a,2,2a,3,6,6a,7,7a-octahydro-2,7:3,6-dimethanonaphth[2,3-b]oxirene | Zineb 12122-67-7 | 008071-76-9 |
| 4,4'-Bipyridinium, 1,1'-dimethyl-, dichloride, mixt. with N'-(3,4-dichlorophenyl)-N,N-dimethylurea, disodium methylarsonate and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 008071-88-3 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with dimethyl [1,2-phenylenebis(iminocarbonothioyl)]bis[carbamate] | Zineb 12122-67-7 | 008071-89-4 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with methyl [1-(butylamino)carbonyl]-1H-benzimidazol-2-yl]carbamate | Zineb 12122-67-7 | 008072-26-2 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and methyl [1-(butylamino)carbonyl]-1H-benzimidazol-2-yl]carbamate | Maneb 12427-38-2 | 008072-27-3 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and methyl [1-(butylamino)carbonyl]-1H-benzimidazol-2-yl]carbamate | Zineb 12122-67-7 | 008072-27-3 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with diethyl [1,2-phenylenebis(iminocarbonothioyl)]bis[carbamate] | Zineb 12122-67-7 | 008072-32-0 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with diethyl [1,2-phenylenebis(iminocarbonothioyl)]bis[carbamate]and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 008072-33-1 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with diethyl [1,2-phenylenebis(iminocarbonothioyl)]bis[carbamate]and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 008072-33-1 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with ammonium nitrate, 4-chlorophenyl 4-chlorobenzenesulfonate and O,O-diethyl O-(4-nitrophenyl) phosphorothioate | Zineb 12122-67-7 | 008073-83-4 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 4-chlorophenyl 4-chlorobenzenesulfonate and O,O-diethyl O-(4-nitrophenyl) phosphorothioate | Zineb 12122-67-7 | 008073-85-6 |

| Mixtures Containing EDBC Salts and Esters | | |
|--|----------------------|--------------------|
| Mixture Name | EDBC Component | Mixture CAS Number |
| D-Streptomine, O-2-deoxy-2-(methylamino)-.alpha.-L- glucopyranosyl-(1.fwdarw.2)-O-5-deoxy-3-C-formyl-.alpha.-L-lyxofuranosyl-(1.fwdarw.4)-N,N'-bis(aminoiminomethyl)-sulfate (2:3) (salt), mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]manganeseand methyl N-[[methylamino)carbonyl]oxy]ethanimidothioate | Maneb 12427-38-2 | 008075-14-7 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zincand nickel(2+) sulfate (1:1) | Maneb 12427-38-2 | 008076-26-4 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zincand nickel(2+) sulfate (1:1) | Zineb 12122-67-7 | 008076-26-4 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with poly(thiocarbonothioylimino-1,2-ethanediyiminocarbonothioyl) (3:1) | Zineb 12122-67-7 | 009019-28-7 |
| Iron, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with N,N'-bis(2-aminoethyl)-1,2-ethanediamine and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 031274-94-3 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with copper chloride oxide hydrate, [[1,2-ethanediybis[carbomodithioato]](2-)]zincand magnesium sulfate | Maneb 12427-38-2 | 037287-29-9 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with copper chloride oxide hydrate, [[1,2-ethanediybis[carbomodithioato]](2-)]zincand magnesium sulfate | Zineb 12122-67-7 | 037287-29-9 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 1,4-dichloro-2,5-dimethoxybenzene | Maneb 12427-38-2 | 037301-43-2 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with sulfur and tetramethylthioperoxydicarbonic diamide ((Me2N)C(S))2S2) | Maneb 12427-38-2 | 039277-98-0 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with pentachloronitrobenzene and tetramethylthioperoxydicarbonic diamide ((Me2N)C(S))2S2) | Maneb 12427-38-2 | 039277-99-1 |
| Chloric acid, copper(1+) salt, mixt. with metiram | Metiram 9006-42-2 | 039283-98-2 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 2,6-dichloro-4-nitrobenzenamine and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 039298-00-5 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 2,6-dichloro-4-nitrobenzenamine and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 039298-00-5 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with sulfur | Zineb 12122-67-7 | 039312-75-9 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with methyl [1-[(butylamino)carbonyl]-1H-benzimidazol-2-yl]carbamate | Maneb 12427-38-2 | 039341-94-1 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with copper hydroxide (Cu(OH)2) and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 039342-58-0 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with copper hydroxide (Cu(OH)2) and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 039342-58-0 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zincand sulfur | Maneb 12427-38-2 | 039374-31-7 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zincand sulfur | Zineb 12122-67-7 | 039374-31-7 |

| Mixtures Containing EDBC Salts and Esters | | |
|---|----------------------|--------------------|
| Mixture Name | EDBC Component | Mixture CAS Number |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc, sulfur and 3a,4,7,7a-tetrahydro-2-[(trichloromethyl)thio]-1H-isoindole-1,3(2H)-dione | Maneb 12427-38-2 | 039374-36-2 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc, sulfur and 3a,4,7,7a-tetrahydro-2-[(trichloromethyl)thio]-1H-isoindole-1,3(2H)-dione | Zineb 12122-67-7 | 039374-36-2 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with sulfur and 3a,4,7,7a-tetrahydro-2-[(trichloromethyl)thio]-1H-isoindole-1,3(2H)-dione | Maneb 12427-38-2 | 039374-37-3 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 3-butyl-6-(ethylamino)-2-methyl-4-pyridinol and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 039374-43-1 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 3-butyl-6-(ethylamino)-2-methyl-4-pyridinol and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 039374-43-1 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with .alpha.-(2,4-dichlorophenyl)-.alpha.-phenyl-5-pyrimidinemethanol and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 039374-48-6 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with .alpha.-(2,4-dichlorophenyl)-.alpha.-phenyl-5-pyrimidinemethanol and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 039374-48-6 |
| Carbamic acid, 1H-benzimidazol-2-yl-, methyl ester, mixt. with metiram | Metiram 9006-42-2 | 039394-36-0 |
| Carbamic acid, [1-(butylamino)carbonyl]-1H-benzimidazol-2-yl-, methyl ester, mixt. with metiram | Metiram 9006-42-2 | 039394-37-1 |
| Zinc, bis(methylcarbomodithioato-S,S')-, (T-4)-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 039400-76-5 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and hydroxytriphenylstannane | Maneb 12427-38-2 | 039400-84-5 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and hydroxytriphenylstannane | Zineb 12122-67-7 | 039400-84-5 |
| Copper, bis(8-quinolinolato-N1,O8)-, mixt. with 9,10-anthracenedione, 5,6-dihydro-2-methyl-N-phenyl-1,4-oxathiin-3-carboxamide, [[1,2-ethanediybis[carbomodithioato]](2-)]manganese and (1.alpha.,2.alpha.,3.beta.,4.alpha.,5.alpha.,6.beta.)-1,2,3,4,5,6-hexachlorocyclohexane | Maneb 12427-38-2 | 039409-03-5 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 2(or 4)-isooctyl-4,6(or 2,6)-dinitrophenyl- | Maneb 12427-38-2 | 039472-21-4 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with (1.alpha.,4.alpha.,4a.beta.,5.alpha.,8.alpha.,8a.beta.)-1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-1,4:5,8-dimethanonaphthalene | Zineb 12122-67-7 | 050934-44-6 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 5,6-dihydro-2-methyl-N-phenyl-1,4-oxathiin-3-carboxamide and (1.alpha.,2.alpha.,3.beta.,4.alpha.,5.alpha.,6.beta.)-1,2,3,4,5,6-hexachlorocyclohexane | Maneb 12427-38-2 | 051202-56-3 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 1,2-ethanediamine and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 051274-90-9 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 1,2-ethanediamine and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 051274-90-9 |

| Mixtures Containing EDBC Salts and Esters | | |
|---|---------------------|--------------------|
| Mixture Name | EDBC Component | Mixture CAS Number |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with N-(2-aminoethyl)-1,2-ethanediamine and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 051274-91-0 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with N-(2-aminoethyl)-1,2-ethanediamine and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 051274-91-0 |
| Copper, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with N,N'-bis(2-aminoethyl)-1,2-ethanediamine and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 051274-93-2 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with N,N'-bis(2-aminoethyl)-1,2-ethanediamine and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 051274-95-4 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with N,N'-bis(2-aminoethyl)-1,2-ethanediamine and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 051274-95-4 |
| Nickel, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with N,N'-bis(2-aminoethyl)-1,2-ethanediamine and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 051274-96-5 |
| Iron, tris[[1,2-ethanediybis[carbomodithioato]](2-)]di-, mixt. with N,N'-bis(2-aminoethyl)-1,2-ethanediamine and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 051274-97-6 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with O,O-diethyl O-[6-methyl-2-(1-methylethyl)-4-pyrimidinyl] phosphorothioate | Zineb 12122-67-7 | 051358-42-0 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with O,O-diethyl O-[6-methyl-2-(1-methylethyl)-4-pyrimidinyl] phosphorothioate | Zineb 12122-67-7 | 051358-42-0 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 2-(1-methylethoxy)phenyl methylcarbamate | Zineb 12122-67-7 | 051358-43-1 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with O,O-diethyl O-(4-nitrophenyl) phosphorothioate | Zineb 12122-67-7 | 051358-44-2 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with diethyl ((dimethoxyphosphinothioyl)thio)butanedioate | Zineb 12122-67-7 | 051358-45-3 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with S-[2-(ethylamino)-2-oxoethyl] O,O-dimethyl phosphorodithioate | Zineb 12122-67-7 | 051358-57-5 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with copper hydroxide sulfate (Cu ₄ (OH) ₆ (SO ₄) monohydrate and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 051367-08-9 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with copper hydroxide sulfate (Cu ₄ (OH) ₆ (SO ₄) monohydrate and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 051367-08-9 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, dihydrate, mixt. with 1,2-ethanediamine and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 051367-09-0 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, dihydrate, mixt. with N,N'-bis(2-aminoethyl)-1,2-ethanediamine and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 051367-11-4 |
| Iron(1+), [[1,2-ethanediybis[carbomodithioato]](2-)]-, chloride, mixt. with N,N'-bis(2-aminoethyl)-1,2-ethanediamine, [[1,2-ethanediybis[carbomodithioato]](2-)]manganesedihydrate and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 051382-99-1 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 5,6-dihydro-2-methyl-N-phenyl-1,4-oxathiin-3-carboxamide | Maneb 12427-38-2 | 051484-80-1 |

| Mixtures Containing EDBC Salts and Esters | | |
|--|----------------------|--------------------|
| Mixture Name | EDBC Component | Mixture CAS Number |
| Manganese, [[1,2-ethanediy]bis[carbomodithioato]](2-)-, mixt. with [[1,2-ethanediy]bis[carbomodithioato]](2-)]zinc and Polyoxin AL | Maneb 12427-38-2 | 051745-89-2 |
| Manganese, [[1,2-ethanediy]bis[carbomodithioato]](2-)-, mixt. with [[1,2-ethanediy]bis[carbomodithioato]](2-)]zinc and Polyoxin AL | Zineb 12122-67-7 | 051745-89-2 |
| Nonactin, 5-demethyl-5-ethyl-, mixt. with [[1,2-ethanediy]bis[carbomodithioato]](2-)]manganese | Maneb 12427-38-2 | 051901-10-1 |
| Manganese, [[1,2-ethanediy]bis[carbomodithioato]](2-)-, mixt. with methyl 1H-benzimidazol-2-ylcarbamate | Maneb 12427-38-2 | 052080-81-6 |
| Zinc, [[1,2-ethanediy]bis[carbomodithioato]](2-)-, mixt. with methyl 1H-benzimidazol-2-ylcarbamate | Zineb 12122-67-7 | 052080-82-7 |
| Zinc, bis(2-hydroxy-N-phenylbenzamidato-O,O')-(T-4)-, mixt. with [[1,2-ethanediy]bis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 052109-05-4 |
| Manganese, [[1,2-ethanediy]bis[carbomodithioato]](2-)-, mixt. with 2,5-dimethyl-N-phenyl-3-furancarboxamide | Maneb 12427-38-2 | 052233-08-6 |
| Manganese, [[1,2-ethanediy]bis[carbomodithioato]](2-)-, mixt. with 2,5-dimethyl-N-phenyl-3-furancarboxamide and [[1,2-ethanediy]bis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 052233-09-7 |
| Manganese, [[1,2-ethanediy]bis[carbomodithioato]](2-)-, mixt. with 2,5-dimethyl-N-phenyl-3-furancarboxamide and [[1,2-ethanediy]bis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 052233-09-7 |
| Zinc, [[1,2-ethanediy]bis[carbomodithioato]](2-)-, mixt. with copper chloride oxide hydrate and Tenac | Zineb 12122-67-7 | 052357-55-8 |
| Copper chloride oxide, hydrate, mixt. with metiram | Metiram 9006-42-2 | 052623-98-0 |
| Manganese, [[1,2-ethanediy]bis[carbomodithioato]](2-)-, mixt. with (T-4)-bis(dimethylcarbomodithioato-S,S')zinc | Maneb 12427-38-2 | 052623-85-5 |
| Manganese, [[1,2-ethanediy]bis[carbomodithioato]](2-)-, mixt. with dimethyl [1,2-phenylenebis(iminocarbonothioyl)]bis[carbamate] | Maneb 12427-38-2 | 052623-88-8 |
| Manganese, [[1,2-ethanediy]bis[carbomodithioato]](2-)-, mixt. with copper chloride oxide hydrate | Maneb 12427-38-2 | 052769-87-6 |
| Phosphonium, decyltriphenyl-, (TB-5-12)-bromochlorotriphenylstannate(1-), mixt. with [[1,2-ethanediy]bis[carbomodithioato]](2-)]manganese | Maneb 12427-38-2 | 052769-89-8 |
| Metiram, mixt. with copper chloride (CuCl ₂) | Metiram 9006-42-2 | 052932-50-0 |
| Manganese, [[1,2-ethanediy]bis[carbomodithioato]](2-)-, mixt. with copper chloride oxide hydrate and [[1,2-ethanediy]bis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 053568-86-8 |
| Manganese, [[1,2-ethanediy]bis[carbomodithioato]](2-)-, mixt. with copper chloride oxide hydrate and [[1,2-ethanediy]bis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 053568-86-8 |
| Manganese, [[1,2-ethanediy]bis[carbomodithioato]](2-)-, mixt. with [[1,2-ethanediy]bis[carbomodithioato]](2-)]copper | Maneb 12427-38-2 | 053988-93-5 |
| Zinc, [[1,2-ethanediy]bis[carbomodithioato]](2-)-, mixt. with sodium hydroxide (Na(OH)) and tetramethylthioperoxydicarbonic diamide ((tMe ₂ N)C(S)) ₂ S ₂) | Zineb 12122-67-7 | 054017-74-2 |

| Mixtures Containing EDBC Salts and Esters | | |
|--|----------------------|--------------------|
| Mixture Name | EDBC Component | Mixture CAS Number |
| Zinc, [[1,2-ethanediybis[carbomodithiato]](2-)]-, mixt. with disodium carbonate and tetramethylthioperoxydicarbonic diamide ((Me2N)C(S))2S2 | Zineb 12122-67-7 | 054033-88-4 |
| Manganese, [[1,2-ethanediybis[carbomodithiato]](2-)]-, mixt. with (1.alpha.,2.alpha.,3.beta.,4.alpha.,5.alpha.,6.beta.)-1,2,3,4,5,6-hexachlorocyclohexane and 1-(8-hydroxy-5-quinolinyl)ethanonesulfate (2:1) (salt) | Maneb 12427-38-2 | 054175-27-8 |
| Manganese, [[1,2-ethanediybis[carbomodithiato]](2-)]-, mixt. with 1-(8-hydroxy-5-quinolinyl)ethanonesulfate (2:1) (salt) | Maneb 12427-38-2 | 054175-28-9 |
| Manganese, [[1,2-ethanediybis[carbomodithiato]](2-)]-, mixt. with copper chloride oxide (Cu4Cl2O3) and [[1,2-ethanediybis[carbomodithiato]](2-)]zinc | Maneb 12427-38-2 | 054651-86-4 |
| Manganese, [[1,2-ethanediybis[carbomodithiato]](2-)]-, mixt. with copper chloride oxide (Cu4Cl2O3) and [[1,2-ethanediybis[carbomodithiato]](2-)]zinc | Zineb 12122-67-7 | 054651-86-4 |
| Zinc, [[1,2-ethanediybis[carbomodithiato]](2-)]-, mixt. with 2,6-dimethyl-4-tridecylmorpholine and [[1,2-ethanediybis[carbomodithiato]](2-)]manganese | Maneb 12427-38-2 | 054842-08-9 |
| Zinc, [[1,2-ethanediybis[carbomodithiato]](2-)]-, mixt. with 2,6-dimethyl-4-tridecylmorpholine and [[1,2-ethanediybis[carbomodithiato]](2-)]manganese | Zineb 12122-67-7 | 054842-08-9 |
| Zinc, [[1,2-ethanediybis[carbomodithiato]](2-)]-, mixt. with 2,6-dimethyl-4-tridecylmorpholine | Zineb 12122-67-7 | 054842-09-0 |
| Zinc, [[1,2-ethanediybis[carbomodithiato]](2-)]-, mixt. with 2,6-dimethyl-4-tridecylmorpholine, ammoniate | Zineb 12122-67-7 | 055015-08-2 |
| 1,3-Benzenedicarboxylic acid, 5-nitro-, bis(1-methylethyl) ester, mixt. with metiram and 3a,4,7,7a-tetrahydro-2-[(trichloromethyl)thio]-1H-isoindole-1,3(2H)-dione | Metiram 9006-42-2 | 055257-73-3 |
| 1,3-Benzenedicarboxylic acid, 5-nitro-, bis(1-methylethyl) ester, mixt. with metiram | Metiram 9006-42-2 | 055257-78-8 |
| Manganese, [[1,2-ethanediybis[carbomodithiato]](2-)]-, mixt. with bis(1-methylethyl) 5-nitro-1,3-benzenedicarboxylate | Maneb 12427-38-2 | 055257-45-9 |
| Manganese, [[1,2-ethanediybis[carbomodithiato]](2-)]-, mixt. with bis(1-methylethyl) 5-nitro-1,3-benzenedicarboxylate and [[1,2-ethanediybis[carbomodithiato]](2-)]zinc | Maneb 12427-38-2 | 055257-46-0 |
| Manganese, [[1,2-ethanediybis[carbomodithiato]](2-)]-, mixt. with bis(1-methylethyl) 5-nitro-1,3-benzenedicarboxylate and [[1,2-ethanediybis[carbomodithiato]](2-)]zinc | Zineb 12122-67-7 | 055257-46-0 |
| Zinc, [[1,2-ethanediybis[carbomodithiato]](2-)]-, mixt. with bis(1-methylethyl) 5-nitro-1,3-benzenedicarboxylate | Zineb 12122-67-7 | 055257-47-1 |
| Manganese, [[1,2-ethanediybis[carbomodithiato]](2-)]-, mixt. with 2-(3,5-dichlorophenyl)-3a,4,5,6,7,7a-hexahydro-4,7-epoxy-1H-isoindole-1,3(2H)-dione | Maneb 12427-38-2 | 055257-83-5 |
| Zinc, [[1,2-ethanediybis[carbomodithiato]](2-)]-, mixt. with 2-(3,5-dichlorophenyl)-3a,4,5,6,7,7a-hexahydro-4,7-epoxy-1H-isoindole-1,3(2H)-dione | Zineb 12122-67-7 | 055257-84-6 |
| Manganese, [[1,2-ethanediybis[carbomodithiato]](2-)]-, mixt. with 5,6-dihydro-2-methyl-N-phenyl-1,4-oxathiin-3-carboxamide and [[1,2-ethanediybis[carbomodithiato]](2-)]zinc | Maneb 12427-38-2 | 055347-98-3 |
| Manganese, [[1,2-ethanediybis[carbomodithiato]](2-)]-, mixt. with 5,6-dihydro-2-methyl-N-phenyl-1,4-oxathiin-3-carboxamide and [[1,2-ethanediybis[carbomodithiato]](2-)]zinc | Zineb 12122-67-7 | 055347-98-3 |

| Mixtures Containing EDBC Salts and Esters | | |
|--|----------------------|--------------------|
| Mixture Name | EDBC Component | Mixture CAS Number |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with [4-(1,1-dimethylethyl)phenyl]methyl 1-methylpropyl 3-pyridinylcarbonimidodithioate | Zineb 12122-67-7 | 055613-73-5 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and 3a,4,7,7a-tetrahydro-2-[(trichloromethyl)thio]-1H-isoindole-1,3(2H)-dione | Maneb 12427-38-2 | 055948-03-3 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and 3a,4,7,7a-tetrahydro-2-[(trichloromethyl)thio]-1H-isoindole-1,3(2H)-dione | Zineb 12122-67-7 | 055948-03-3 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 3,6,9,12-tetraazatetradecane-1,14-diamine | Zineb 12122-67-7 | 055966-88-6 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with N,N'-bis(2-aminoethyl)-1,2-ethanediamine | Zineb 12122-67-7 | 055966-89-7 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with N-(2-aminoethyl)-N'-[2-(2-aminoethyl)amino]ethyl]-1,2-ethanediamine | Zineb 12122-67-7 | 055966-90-0 |
| Cobalt, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with N,N'-bis(2-aminoethyl)-1,2-ethanediamine and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 056060-88-9 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with N,N'-bis(2-aminoethyl)-1,2-ethanediamine, [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and tris[[1,2-ethanediybis[carbomodithioato]](2-)]diiron | Maneb 12427-38-2 | 056060-89-0 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with N,N'-bis(2-aminoethyl)-1,2-ethanediamine, [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and tris[[1,2-ethanediybis[carbomodithioato]](2-)]diiron | Zineb 12122-67-7 | 056060-89-0 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and methyl [1-(1-oxododecyl)-1H-benzimidazol-2-yl]carbamate | Maneb 12427-38-2 | 056335-06-9 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and methyl [1-(1-oxododecyl)-1H-benzimidazol-2-yl]carbamate | Zineb 12122-67-7 | 056335-06-9 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with methyl [1-(1-oxoheptyl)-1H-benzimidazol-2-yl]carbamate | Zineb 12122-67-7 | 056335-08-1 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with methyl [1-(1-oxoheptyl)-1H-benzimidazol-2-yl]carbamate | Maneb 12427-38-2 | 056335-09-2 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with O,O-dimethyl S-[2-(methylamino)-2-oxoethyl] phosphorodithioate and (1.alpha.,2.alpha.,3.beta.,4.alpha.,5.alpha.,6.beta.)-1,2,3,4,5,6-hexachlorocyclohexane | Zineb 12122-67-7 | 056335-26-3 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with methyl (1-formyl-1H-benzimidazol-2-yl)carbamate | Zineb 12122-67-7 | 056362-08-4 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with sulfur and tetramethylthioperoxydicarbonic diamide ((Me2N)C(S))2S2 | Zineb 12122-67-7 | 056560-72-6 |
| Metiram, mixt. with sulfur | Metiram 9006-42-2 | 057693-13-7 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with nickel chloride (NiCl2) | Zineb 12122-67-7 | 057925-44-7 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with copper and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 058051-25-5 |

| Mixtures Containing EDBC Salts and Esters | | |
|---|----------------------|--------------------|
| Mixture Name | EDBC Component | Mixture CAS Number |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with copper and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 058051-25-5 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with copper chloride oxide hydrate, Haftol and Thiosol | Zineb 12122-67-7 | 058411-08-8 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with (T-4)-bis(dimethylcarbomodithioato-S,S')zinc and sulfur | Maneb 12427-38-2 | 058653-44-4 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 2(or 4)-isooctyl-4,6(or 2,6)-dinitrophenyl 2-butenate | Zineb 12122-67-7 | 058747-90-3 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with sulfur, [2R-(2.alpha.,6a.alpha.,12a.alpha.)]-1,2,12,12a-tetrahydro-8,9-dimethoxy-2-(1-methylethyl)[1]benzopyrano[3,4-b]furo[2,3-h][1]benzopyran-6(6aH)-one and 1,1'-(2,2,2-trichloroethylidene)bis[4-chlorobenzene] | Zineb 12122-67-7 | 058846-99-4 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with (1.alpha.,2.alpha.,3.beta.,4.alpha.,5.alpha.,6.beta.)-1,2,3,4,5,6-hexachlorocyclohexane | Zineb 12122-67-7 | 058934-22-8 |
| 263Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with cis-3a,4,7,7a-tetrahydro-2-[(1,1,2,2-tetrachloroethyl)thio]-1H-isoindole-1,3(2H)-dione | Maneb 12427-38-2 | 059271-33-9 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with [R-(R*,R*)]-2,2-dichloro-N-[2-hydroxy-1-(hydroxymethyl)-2-(4-nitrophenyl)ethyl]acetamide | Zineb 12122-67-7 | 059620-92-7 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with [R-(R*,R*)]-2,2-dichloro-N-[2-hydroxy-1-(hydroxymethyl)-2-(4-nitrophenyl)ethyl]acetamide | Maneb 12427-38-2 | 059644-60-9 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with guazatine acetate | Maneb 12427-38-2 | 060194-14-1 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with dimethyl [1,2-phenylenebis(iminocarbonothioyl)]bis[carbamate] and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 060240-47-3 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with dimethyl [1,2-phenylenebis(iminocarbonothioyl)]bis[carbamate] and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 060240-47-3 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with magnesium bis[[N,N-bis(2-hydroxy-5-sulfophenyl)methyl]glycinato(3-)]cuprate(1-)] | Maneb 12427-38-2 | 060351-11-3 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with magnesium bis[[N,N-bis(2-hydroxy-5-sulfophenyl)methyl]glycinato(3-)]cuprate(1-)] | Zineb 12122-67-7 | 060351-12-4 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with dimethyl (2,2,2-trichloro-1-hydroxyethyl)phosphonate | Zineb 12122-67-7 | 060540-99-0 |
| Dipyrido[1,2-a:2',1'-c]pyrazinedium,6,7-dihydro-, mixt. with disodium 1,2-ethanediybis[carbomodithioate] | Nabam 142-59-6 | 060558-39-6 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 2,4,5,6-tetrachloro-1,3-benzenedicarbonitrile | Maneb 12427-38-2 | 060704-04-3 |
| Butanedioic acid, [(dimethoxyphosphinothioyl)thio]-, diethylester, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]manganese | Maneb 12427-38-2 | 060905-85-3 |
| Metiram, mixt. with tridemorph | Metiram 9006-42-2 | 060996-03-4 |

| Mixtures Containing EDBC Salts and Esters | | |
|---|---------------------|--------------------|
| Mixture Name | EDBC Component | Mixture CAS Number |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with ethyl 4-chloro-.alpha.-(4-chlorophenyl)-.alpha.-hydroxybenzeneacetate | Zineb 12122-67-7 | 061007-05-4 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with O,O-diethyl (1,3-dihydro-1,3-dioxo-2H-isoindol-2-yl)phosphonothioate | Maneb 12427-38-2 | 061144-33-0 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with O,O-diethyl (1,3-dihydro-1,3-dioxo-2H-isoindol-2-yl)phosphonothioate and methyl 1H-benzimidazol-2-ylcarbamate | Maneb 12427-38-2 | 061144-35-2 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with dichloro[1-[2-(2,4-dichloro phenyl)-2-(2-propenyloxy)ethyl]-1H-imidazole-N3]zinc and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 061258-09-1 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with dichloro[1-[2-(2,4-dichloro phenyl)-2-(2-propenyloxy)ethyl]-1H-imidazole-N3]zinc and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 061258-09-1 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with diethyl ((dimethoxyphosphinothioyl)thio)butanedioate and (1.alpha.,2.alpha.,3.beta.,4.alpha.,5.alpha.,6.beta.)-1,2,3,4,5,6-hexachlorocyclohexane | Zineb 12122-67-7 | 061461-26-5 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 9,10-anthracenedione, [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and (1.alpha.,2.alpha.,3.beta.,4.alpha.,5.alpha.,6.beta.)-1,2,3,4,5,6-hexachloro-cyclohexane | Maneb 12427-38-2 | 061811-22-1 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 9,10-anthracenedione, [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and (1.alpha.,2.alpha.,3.beta.,4.alpha.,5.alpha.,6.beta.)-1,2,3,4,5,6-hexachlorocyclohexane | Zineb 12122-67-7 | 061811-22-1 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 2-(4-thiazolyl)-1H-benzimidazole | Maneb 12427-38-2 | 061869-27-0 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 5-butyl-2-(ethylamino)-6-methyl-4(1H)-pyrimidinone | Maneb 12427-38-2 | 061912-68-3 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with N,N'-[1,4-piperazinediybis(2,2,2-trichloroethylidene)]bis[formamide] | Maneb 12427-38-2 | 061912-69-4 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 6-methyl-1,3-dithio[4,5-b]quinoxalin-2-one | Zineb 12122-67-7 | 061952-96-3 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 1,1-dichloro-N-[(dimethylamino)sulfonyl]-1-fluoro-N-phenylmethanesulfenamide | Zineb 12122-67-7 | 061952-97-4 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with sulfur | Maneb 12427-38-2 | 061970-56-7 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with sulfur and 2,4,5,6-tetrachloro-1,3-benzenedicarbonitrile | Maneb 12427-38-2 | 062240-14-6 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and purafil | Maneb 12427-38-2 | 062476-70-4 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and purafil | Zineb 12122-67-7 | 062476-70-4 |
| Chromic acid (H2Cr2O7), dipotassium salt, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]manganese and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 062476-72-6 |

| Mixtures Containing EDBC Salts and Esters | | |
|--|---------------------|--------------------|
| Mixture Name | EDBC Component | Mixture CAS Number |
| Chromic acid (H ₂ Cr ₂ O ₇), dipotassium salt, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]manganese and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 062476-72-6 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 4-chloro-.alpha.-(4-chlorophenyl)-.alpha.-(trichloromethyl)benzenemethanol,O,O-diethyl O-(4-nitrophenyl) phosphorothioate and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 062682-57-9 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 4-chloro-.alpha.-(4-chlorophenyl)-.alpha.-(trichloromethyl)benzenemethanol,O,O-diethyl O-(4-nitrophenyl) phosphorothioate and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 062682-57-9 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 4-chloro-.alpha.-(4-chlorophenyl)-.alpha.-(trichloromethyl)benzenemethanol,O,O-dimethyl S-[(4-oxo-1,2,3-benzotriazin-3(4H)-yl)methyl] phosphorodithioate and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 062682-58-0 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 4-chloro-.alpha.-(4-chlorophenyl)-.alpha.-(trichloromethyl)benzenemethanol,O,O-dimethyl S-[(4-oxo-1,2,3-benzotriazin-3(4H)-yl)methyl] phosphorodithioate and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 062682-58-0 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and methyl 1H-benzimidazol-2-ylcarbamate | Maneb 12427-38-2 | 062713-28-4 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and methyl 1H-benzimidazol-2-ylcarbamate | Zineb 12122-67-7 | 062713-28-4 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with N-cyclohexyl-2,5-dimethyl-3-furancarboxamide | Maneb 12427-38-2 | 063028-77-3 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with methyl 1H-benzimidazol-2-ylcarbamate and 3a,4,7,7a-tetrahydro-2-[(1,1,2,2-tetrachloroethyl)thio]-1H-isindole-1,3(2H)-dione | Maneb 12427-38-2 | 063665-18-9 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 1H-benzimidazole and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 063665-19-0 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 1H-benzimidazole and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 063665-19-0 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 2-cyano-N-[(ethylamino)carbonyl]-2-(methoxyimino)acetamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 063665-25-8 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 2-cyano-N-[(ethylamino)carbonyl]-2-(methoxyimino)acetamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 063665-25-8 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and urea | Maneb 12427-38-2 | 064034-47-5 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and urea | Zineb 12122-67-7 | 064034-47-5 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with urea | Zineb 12122-67-7 | 064034-68-0 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with copper chloride oxide hydrate, [[1,2-ethanediybis[carbomodithioato]](2-)]copper and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 064423-73-0 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with copper chloride oxide hydrate, [[1,2-ethanediybis[carbomodithioato]](2-)]copper and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 064423-73-0 |

| Mixtures Containing EDBC Salts and Esters | | |
|--|---------------------|--------------------|
| Mixture Name | EDBC Component | Mixture CAS Number |
| Stannylum, triphenyl-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and methyl [1-(butylamino)carbonyl]-1H-benzimidazol-2-yl]carbamate | Maneb 12427-38-2 | 064672-30-6 |
| Stannylum, triphenyl-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and methyl [1-(butylamino)carbonyl]-1H-benzimidazol-2-yl]carbamate | Zineb 12122-67-7 | 064672-30-6 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 2-iodo-N-phenylbenzamide and methyl 1H-benzimidazol-2-yl]carbamate | Maneb 12427-38-2 | 065394-82-3 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 4,6-dichloro-N-(2-chlorophenyl)-1,3,5-triazin-2-amine | Maneb 12427-38-2 | 065887-93-6 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 2,2-dichloroethenyl dimethyl phosphate and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 065932-30-1 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 2,2-dichloroethenyl dimethyl phosphate and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 065932-30-1 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 4-chloro-.alpha.-(4-chlorophenyl)-.alpha.-(trichloromethyl)benzenemethanol and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 065932-31-2 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 4-chloro-.alpha.-(4-chlorophenyl)-.alpha.-(trichloromethyl)benzenemethanol and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 065932-31-2 |
| Iron, tris(dimethylcarbomodithioato-S,S'), (OC-6-11)-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 066139-21-7 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with aluminum tris(ethyl phosphonate) and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 066523-56-6 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with aluminum tris(ethyl phosphonate) and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 066523-56-6 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 5,6-dihydro-3H-imidazo[2,1-c]-1,2,4-dithiazole-3-thione, (1.alpha.,2.alpha.,3.beta.,4.alpha.,5.alpha.,6.beta.)-1,2,3,4,5,6-hexachlorocyclohexane and sulfur | Zineb 12122-67-7 | 067051-88-1 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with methyl [1-(butylamino)carbonyl]-1H-benzimidazol-2-yl]carbamate and sulfur | Maneb 12427-38-2 | 067051-89-2 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and N,N'-[1,4-piperazinediybis(2,2,2-trichloroethylidene)] bis[formamide] | Maneb 12427-38-2 | 067055-41-8 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and N,N'-[1,4-piperazinediybis(2,2,2-trichloroethylidene)] bis[formamide] | Zineb 12122-67-7 | 067055-41-8 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with O,O-diethyl (1,3-dihydro-1,3-dioxo-2H-isoindol-2-yl)phosphonothioate, [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and methyl [1-(butylamino)carbonyl]-1H-benzimidazol-2-yl]carbamate | Maneb 12427-38-2 | 067055-43-0 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with O,O-diethyl (1,3-dihydro-1,3-dioxo-2H-isoindol-2-yl)phosphonothioate, [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and methyl [1-(butylamino)carbonyl]-1H-benzimidazol-2-yl]carbamate | Zineb 12122-67-7 | 067055-43-0 |

| Mixtures Containing EDBC Salts and Esters | | |
|---|----------------------|--------------------|
| Mixture Name | EDBC Component | Mixture CAS Number |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with O,O-diethyl (1,3-dihydro-1,3-dioxo-2H-isindol-2-yl)phosphonothioate and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 067055-44-1 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with O,O-diethyl (1,3-dihydro-1,3-dioxo-2H-isindol-2-yl)phosphonothioate and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 067055-44-1 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with methyl 1H-benzimidazol-2-ylcarbamate and sulfur | Maneb 12427-38-2 | 067055-51-0 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with dimethyl [1,2-phenylenebis(iminocarbonothioyl)]bis[carbamate] and sulfur | Maneb 12427-38-2 | 067055-52-1 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with hexachlorobenzene | Maneb 12427-38-2 | 067452-31-7 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 2,6-dimethyl-4-tridecylmorpholine and methyl 1H-benzimidazol-2-ylcarbamate | Maneb 12427-38-2 | 067689-92-3 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and 5-methyl-3(2H)-isoxazolone | Maneb 12427-38-2 | 067760-61-6 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and 5-methyl-3(2H)-isoxazolone | Zineb 12122-67-7 | 067760-61-6 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc, methyl [1-(butylamino)carbonyl]-1H-benzimidazol-2-yl]carbamate and sulfur | Maneb 12427-38-2 | 067772-66-1 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc, methyl [1-(butylamino)carbonyl]-1H-benzimidazol-2-yl]carbamate and sulfur | Zineb 12122-67-7 | 067772-66-1 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with barium sulfide (Ba(Sx)), dimethyl [1,2-phenylenebis(iminocarbonothioyl)]bis[carbamate] and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 067797-80-2 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with barium sulfide (Ba(Sx)), dimethyl [1,2-phenylenebis(iminocarbonothioyl)]bis[carbamate] and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 067797-80-2 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 4-aminobenzenesulfonic acid, 2-aminoethanol, dimethyl [1,2-phenylenebis(iminocarbonothioyl)]bis[carbamate] and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 067872-27-9 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 4-aminobenzenesulfonic acid, 2-aminoethanol, dimethyl [1,2-phenylenebis(iminocarbonothioyl)]bis[carbamate] and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 067872-27-9 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with .alpha.-(2-chlorophenyl)-.alpha.-(4-fluorophenyl)-5-pyrimidinemethanol | Maneb 12427-38-2 | 068315-77-5 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 2-cyano-N-[(ethylamino)carbonyl]-2-(methoxyimino)acetamide | Zineb 12122-67-7 | 068327-13-9 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with bis(1-methylethyl) 5-nitro-1,3-benzenedicarboxylate and metiram | Metiram 9006-42-2 | 069577-85-1 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with bis(1-methylethyl) 5-nitro-1,3-benzenedicarboxylate and metiram | Maneb 12427-38-2 | 069577-85-1 |

| Mixtures Containing EDBC Salts and Esters | | |
|---|---------------------|--------------------|
| Mixture Name | EDBC Component | Mixture CAS Number |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 5,6-dihydro-3H-imidazo[2,1-c]-1,2,4-dithiazole-3-thione and tetrahydro-1,2,4,7-dithiadiazocine-3,8-dithione | Maneb 12427-38-2 | 069682-25-3 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 5,6-dihydro-2-methyl-N-phenyl-1,4-oxathiin-3-carboxamide | Zineb 12122-67-7 | 069778-31-0 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with .alpha.-(2-chlorophenyl)-.alpha.-(4-chlorophenyl)-5-pyrimidinemethanol | Maneb 12427-38-2 | 070047-37-9 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 1-triazene | Maneb 12427-38-2 | 070221-37-3 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 5-[[2-(2-butoxyethoxy)ethoxy)methyl]-6-propyl-1,3-benzodioxole, 2 (or 4)-isooctyl-4,6(or 2,6)-dinitrophenyl 2-butenolate and 2-methyl-4-oxo-3-(2-propenyl)-2-cyclopenten-1-yl[2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylate | Zineb 12122-67-7 | 070221-57-7 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepin 3-oxide and 2(or 4)-isooctyl-4,6(or 2,6)-dinitrophenyl 2-butenolate | Maneb 12427-38-2 | 070840-33-4 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc, 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepin 3-oxide and 2(or 4)-isooctyl-4,6 (or 2,6)-dinitrophenyl 2-butenolate | Zineb 12122-67-7 | 070840-33-4 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with S-[(1,3-dihydro-1,3-dioxo-2H-isoindol-2-yl)methyl] O,O-dimethyl phosphorodithioate and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 070840-35-6 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with S-[(1,3-dihydro-1,3-dioxo-2H-isoindol-2-yl)methyl] O,O-dimethyl phosphorodithioate and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 070840-35-6 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with diethyl [(dimethoxyphosphinothioyl)thio]butanedioate, S-[(1,3-dihydro-1,3-dioxo-2H-isoindol-2-yl)methyl] O,O-dimethyl phosphorodithioate and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 070840-36-7 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with diethyl [(dimethoxyphosphinothioyl)thio]butanedioate, S-[(1,3-dihydro-1,3-dioxo-2H-isoindol-2-yl)methyl] O,O-dimethyl phosphorodithioate and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 070840-36-7 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and 1-naphthalenyl methylcarbamate | Maneb 12427-38-2 | 070840-39-0 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and 1-naphthalenyl methylcarbamate | Zineb 12122-67-7 | 070840-39-0 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepin 3-oxide | Maneb 12427-38-2 | 070840-41-4 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzodioxathiepin 3-oxide | Zineb 12122-67-7 | 070840-41-4 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with copper(2+) carbonate (1:1), copper chloride oxide hydrate, copper(2+) sulfate (1:1) and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 071062-01-6 |

| Mixtures Containing EDBC Salts and Esters | | |
|--|---------------------|--------------------|
| Mixture Name | EDBC Component | Mixture CAS Number |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with copper(2+) carbonate (1:1), copper chloride oxide hydrate, copper(2+) sulfate (1:1) and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 071062-01-6 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and 2-(4-thiazoly)-1H-benzimidazole | Maneb 12427-38-2 | 071129-16-3 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and 2-(4-thiazoly)-1H-benzimidazole | Zineb 12122-67-7 | 071129-16-3 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with hexachlorobenzene and 3a,4,7,7a-tetrahydro-2-[(trichloromethyl)thio]-1H-isoindole-1,3(2H)-dione | Maneb 12427-38-2 | 071173-92-7 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 1-(4-chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)-2-butanone | Maneb 12427-38-2 | 071300-38-4 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with diethyl [[1,2-phenylenebis(iminocarbonothioyl)]bis[carbamate], [1,2-ethanediybis[carbomodithioato]](2-)]zinc, 5-ethoxy-3-(trichloromethyl)-1,2,4-thiadiazole, pentachloronitrobenzene, 2,4,5,6-tetrachloro-1,3-benzene dicarbonitrile, and tetramethylthioperoxydicarbonic diamide ((Me2N)C(S)2S2) | Maneb 12427-38-2 | 071753-00-9 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with diethyl [1,2-phenylenebis(iminocarbonothioyl)]bis[carbamate], [[1,2-ethanediybis[carbomodithioato]](2-)]zinc, 5-ethoxy-3-(trichloromethyl)-1,2,4-thiadiazole, pentachloronitrobenzene, 2,4,5,6-tetrachloro-1,3-benzene dicarbonitrile, and tetramethylthioperoxydicarbonic diamide ((Me2N)C(S)2S2) | Zineb 12122-67-7 | 071753-00-9 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with dimethyl [1,2-phenylenebis(iminocarbonothioyl)]bis[carbamate], ethyl 3-methyl-4-(methylthio)phenyl (1-methylethyl)phosphoramidate and 2,4,5,6-tetrachloro-1,3-benzenedicarbonitrile | Maneb 12427-38-2 | 071753-01-0 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with dimethyl [1,2-phenylenebis(iminocarbonothioyl)]bis[carbamate] and 2,4,5,6-tetrachloro-1,3-benzenedicarbonitrile | Maneb 12427-38-2 | 071753-02-1 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with diethyl [[1,2-phenylenebis(iminocarbonothioyl)]bis[carbamate], [1,2-ethanediybis[carbomodithioato]](2-)]zinc, 2,4,5,6-tetrachloro-1,3-benzenedicarbonitrile and tetramethylthioperoxydicarbonic diamide ((Me2N)C(S)2S2) | Maneb 12427-38-2 | 071789-19-0 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with diethyl [1,2-phenylenebis(iminocarbonothioyl)]bis[carbamate], [[1,2-ethanediybis[carbomodithioato]](2-)]zinc, 2,4,5,6-tetrachloro-1,3-benzenedicarbonitrile and tetramethylthioperoxydicarbonic diamide ((Me2N)C(S)2S2) | Zineb 12122-67-7 | 071789-19-0 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc, methyl 1H-benzimidazol-2-ylcarbamate and sulfur | Maneb 12427-38-2 | 072852-36-9 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc, methyl 1H-benzimidazol-2-ylcarbamate and sulfur | Zineb 12122-67-7 | 072852-36-9 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with copper chloride oxide hydrate, [[1,2-ethanediybis[carbomodithioato]](2-)]zinc, sulfur and 2,4,5,6-tetrachloro-1,3-benzenedicarbonitrile | Maneb 12427-38-2 | 073347-96-3 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with copper chloride oxide hydrate, [[1,2-ethanediybis[carbomodithioato]](2-)]zinc, sulfur and 2,4,5,6-tetrachloro-1,3-benzenedicarbonitrile | Zineb 12122-67-7 | 073347-96-3 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with (T-4)-bis(methylcarbomodithioato-S,S')zinc | Maneb 12427-38-2 | 073468-90-3 |

| Mixtures Containing EDBC Salts and Esters | | |
|--|---------------------|--------------------|
| Mixture Name | EDBC Component | Mixture CAS Number |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with (acetyloxy)triphenylstannane and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 073810-10-3 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with (acetyloxy)triphenylstannane and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 073810-10-3 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and 3a,4,7,7a-tetrahydro-2-[(1,1,2,2-tetrachloroethyl)thio]-1H-isoindole-1,3(2H)-dione | Maneb 12427-38-2 | 073924-56-8 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and 3a,4,7,7a-tetrahydro-2-[(1,1,2,2-tetrachloroethyl)thio]-1H-isoindole-1,3(2H)-dione | Zineb 12122-67-7 | 073924-56-8 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with .alpha.-(2-chlorophenyl)-.alpha.-(4-chlorophenyl)-5-pyrimidinemethanoland methyl 1H-benzimidazol-2-ylcarbamate | Maneb 12427-38-2 | 074522-90-0 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with .alpha.-(2-chlorophenyl)-.alpha.-(4-fluorophenyl)-5-pyrimidinemethanoland methyl 1H-benzimidazol-2-ylcarbamate | Maneb 12427-38-2 | 075308-86-0 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with [.mu.-[carbonato(2-)-O:O']] dihydroxydicopper, copper chloride oxide hydrate, copper(2+) sulfate (1:1), [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and iron(3+) (OC-6-11)-hexakis(cyano-C)ferrate(4-)(4:3) | Maneb 12427-38-2 | 075458-88-7 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with [.mu.-[carbonato(2-)-O:O']] dihydroxydicopper, copper chloride oxide hydrate, copper(2+) sulfate (1:1), [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and iron(3+)(OC-6-11)-hexakis(cyano-C)ferrate(4-)(4:3) | Zineb 12122-67-7 | 075458-88-7 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with [.mu.-[carbonato(2-)-O:O']] dihydroxydicopper, copper chloride oxide hydrate, copper(2+) sulfate (1:1) and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 075498-12-3 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with [.mu.-[carbonato(2-)-O:O']] dihydroxydicopper, copper chloride oxide hydrate, copper(2+) sulfate (1:1) and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 075498-12-3 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and hexakis(2-methyl-2-phenylpropyl)distannoxane | Maneb 12427-38-2 | 075517-91-8 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and hexakis(2-methyl-2-phenylpropyl)distannoxane | Zineb 12122-67-7 | 075517-91-8 |
| DL-Alanine, N-(2,6-dimethylphenyl)-N-(methoxyacetyl)-, methylester, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]manganese and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 075701-74-5 |
| DL-Alanine, N-(2,6-dimethylphenyl)-N-(methoxyacetyl)-, methyl ester, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]manganese and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 075701-74-5 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with zinc | Maneb 12427-38-2 | 075789-54-7 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 3a,4,7,7a-tetrahydro-2-[(trichloromethyl)thio]-1H-isoindole-1,3(2H)-dione | Zineb 12122-67-7 | 075848-18-9 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with copper chloride oxide hydrate, sulfur and urea | Zineb 12122-67-7 | 075901-77-8 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with sulfur and urea | Zineb 12122-67-7 | 075901-78-9 |

| Mixtures Containing EDBC Salts and Esters | | |
|---|----------------------|--------------------|
| Mixture Name | EDBC Component | Mixture CAS Number |
| Manganese, [[1,2-ethanediybis(carbamodithioato)](2-)-, mixt. with 2-chloro-N-(2,6-dimethylphenyl)-N-(tetrahydro-2-oxo-3-furanyl)acetamide | Maneb 12427-38-2 | 076110-41-3 |
| Manganese, [[1,2-ethanediybis(carbamodithioato)](2-)-, mixt. with O,O-diethyl O-2-quinoxaliny phosphorothioate and [[1,2-ethanediybis(carbamodithioato)](2-)]zinc | Maneb 12427-38-2 | 076522-24-2 |
| Manganese, [[1,2-ethanediybis(carbamodithioato)](2-)-, mixt. with O,O-diethyl O-2-quinoxaliny phosphorothioate and [[1,2-ethanediybis(carbamodithioato)](2-)]zinc | Zineb 12122-67-7 | 076522-24-2 |
| Manganese, [[1,2-ethanediybis(carbamodithioato)](2-)-, mixt. with O,O-diethyl O-(4-nitrophenyl) phosphorothioate and [[1,2-ethanediybis(carbamodithioato)](2-)]zinc | Maneb 12427-38-2 | 076522-25-3 |
| Manganese, [[1,2-ethanediybis(carbamodithioato)](2-)-, mixt. with O,O-diethyl O-(4-nitrophenyl) phosphorothioate and [[1,2-ethanediybis(carbamodithioato)](2-)]zinc | Zineb 12122-67-7 | 076522-25-3 |
| Manganese, [[1,2-ethanediybis(carbamodithioato)](2-)-, mixt. with S-[(6-chloro-2-oxo-3(2H)-benzoxazolyl)methyl] O,O-diethyl phosphorodithioate and [[1,2-ethanediybis(carbamodithioato)](2-)]zinc | Maneb 12427-38-2 | 076564-28-8 |
| Manganese, [[1,2-ethanediybis(carbamodithioato)](2-)-, mixt. with S-[(6-chloro-2-oxo-3(2H)-benzoxazolyl)methyl] O,O-diethyl phosphorodithioate and [[1,2-ethanediybis(carbamodithioato)](2-)]zinc | Zineb 12122-67-7 | 076564-28-8 |
| Manganese, [[1,2-ethanediybis(carbamodithioato)](2-)-, mixt. with 3a,4,7,7a-tetrahydro-2-[(1,1,2,2-tetrachloroethyl)thio]-1H-isoindole-1,3(2H)-dione | Maneb 12427-38-2 | 077018-79-2 |
| Manganese, [[1,2-ethanediybis(carbamodithioato)](2-)-, mixt. with 5,10-dihydro-5,10-dioxonaphtho[2,3-b]-1,4-dithiin-2,3-dicarbonitrile | Maneb 12427-38-2 | 077018-86-1 |
| Manganese, [[1,2-ethanediybis(carbamodithioato)](2-)-, mixt. with O,O-diethyl O-(1-phenyl-1H-1,2,4-triazol-3-yl) phosphorothioate | Maneb 12427-38-2 | 077018-90-7 |
| Manganese, [[1,2-ethanediybis(carbamodithioato)](2-)-, mixt. with (acetyloxy)triphenylstannane and O,O-diethyl O-(1-phenyl-1H-1,2,4-triazol-3-yl) phosphorothioate | Maneb 12427-38-2 | 077045-76-2 |
| Zinc, [[1,2-ethanediybis(carbamodithioato)](2-)-, mixt. with copper chloride oxide hydrate and methyl [1-(butylamino)carbonyl]-1H-benzimidazol-2-yl]carbamate | Zineb 12122-67-7 | 078591-06-7 |
| Manganese, [[1,2-ethanediybis(carbamodithioato)](2-)-, mixt. with diethyl [1,2-phenylenebis(iminocarbonothioyl)]bis(carbamate] | Maneb 12427-38-2 | 080386-93-2 |
| 2,4-Oxazolidinedione, 3-(3,5-dichlorophenyl)-5-ethenyl-5-methyl-, mixt. with Metiram | Metiram 9006-42-2 | 080456-52-6 |
| Manganese, [[1,2-ethanediybis(carbamodithioato)](2-)-, mixt. with 1-methylethyl (3-chlorophenyl)carbamate and 1-methylethyl phenylcarbamate | Maneb 12427-38-2 | 081024-59-1 |
| Zinc, [[1,2-ethanediybis(carbamodithioato)](2-)-, mixt. with zinc sulfate (1:1) | Zineb 12122-67-7 | 081313-82-8 |
| Zinc, [[1,2-ethanediybis(carbamodithioato)](2-)-, mixt. with sodium hydrogen carbonate | Zineb 12122-67-7 | 081313-85-1 |
| Carbamic acid, [1-(butylamino)carbonyl]-1H-benzimidazol-2-yl]-,methyl ester, mixt. with metiram and nonyl carbamimidothioate monohydrochloride | Metiram 9006-42-2 | 081341-34-6 |
| Carbamimidothioic acid, nonyl ester, monohydrochloride, mixt. with hexachlorobenzene and metiram | Metiram 9006-42-2 | 081341-33-5 |

| Mixtures Containing EDBC Salts and Esters | | |
|--|---------------------|--------------------|
| Mixture Name | EDBC Component | Mixture CAS Number |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with copper chloride oxide hydrate and 2-cyano-N-(ethylamino)carbonyl]-2-(methoxyimino)acetamide | Zineb 12122-67-7 | 082245-64-5 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 2,4,5-trimethyl-N-phenyl-3-furancarboxamide | Maneb 12427-38-2 | 082602-16-2 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and 2,4,5-trimethyl-N-phenyl-3-furancarboxamide | Maneb 12427-38-2 | 082602-17-3 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and 2,4,5-trimethyl-N-phenyl-3-furancarboxamide | Zineb 12122-67-7 | 082602-17-3 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with .alpha.-(2-chlorophenyl)-.alpha.-(4-fluorophenyl)-5-pyrimidinemethanol and (1.alpha.,2.alpha.,3.beta.,4.alpha.,5.alpha.,6.beta.)-1,2,3,4,5,6-hexachlorocyclohexane | Maneb 12427-38-2 | 082615-97-2 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with sulfur and 3a,4,7,7a-tetrahydro-2-(trichloromethylthio)-1H-isoindole-1,3(2H)-dione | Zineb 12122-67-7 | 082709-33-9 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with copper(2+) sulfate (1:1) and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 082782-81-8 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with copper(2+) sulfate (1:1) and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 082782-81-8 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with copper(2+) sulfate (1:1) | Maneb 12427-38-2 | 082782-84-1 |
| Carbamodithioic acid, dimethyl-, sodium salt. mixt. with 1,2-ethanediybis[carbomodithioic acid] disodium salt | Nabam 142-59-6 | 082795-38-8 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with methyl 1H-benzimidazol-2-ylcarbamate and tridemorph | Maneb 12427-38-2 | 083348-59-8 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with N-(3-chlorophenyl)-N-(tetrahydro-2-oxo-3-furanyl)cyclopropanecarboxamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 083446-59-7 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with N-(3-chlorophenyl)-N-(tetrahydro-2-oxo-3-furanyl)cyclopropanecarboxamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 083446-59-7 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with pentachloronitrobenzene and 2-(4-thiazolyl)-1H-benzimidazole | Maneb 12427-38-2 | 083687-60-9 |
| DL-Alanine, N-(2,6-dimethylphenyl)-N-(methoxyacetyl)-, methylester, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]manganese | Maneb 12427-38-2 | 084561-36-4 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and N-propyl-N-[2-(2,4,6-trichlorophenoxy)ethyl]-1H-imidazole-1-carboxamide | Maneb 12427-38-2 | 084641-99-6 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and N-propyl-N-[2-(2,4,6-trichlorophenoxy)ethyl]-1H-imidazole-1-carboxamide | Zineb 12122-67-7 | 084641-99-6 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with copper | Zineb 12122-67-7 | 084685-70-1 |

| Mixtures Containing EDBC Salts and Esters | | |
|--|----------------------|--------------------|
| Mixture Name | EDBC Component | Mixture CAS Number |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with methyl [1-(butylamino) carbonyl]-1H-benzimidazol-2-yl]carbamate, [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and 1-naphthalenyl methylcarbamate | Maneb 12427-38-2 | 084780-43-8 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with methyl [1-(butylamino) carbonyl]-1H-benzimidazol-2-yl]carbamate, [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and 1-naphthalenyl methylcarbamate | Zineb 12122-67-7 | 084780-43-8 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 2,6-dimethyl-4-tridecylmorpholine | Maneb 12427-38-2 | 084842-07-8 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 3-(3,5-dichlorophenyl)-1,5-dimethyl-3-azabicyclo[3.1.0]hexane-2,4-dione | Zineb 12122-67-7 | 085004-42-8 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 3-(3,5-dichlorophenyl)-N-(1-methylethyl)-2,4-dioxo-1-imidazolidinecarboxamide | Zineb 12122-67-7 | 085004-44-0 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with metiram | Metiram 9006-42-2 | 085109-81-5 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with metiram | Zineb 12122-67-7 | 085109-81-5 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 2-bromo-6-methyl-4-(phenylmethyl)phenol | Zineb 12122-67-7 | 085341-69-1 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 2-chloro-6-methyl-4-[[4-(1-methylethyl)phenyl]methyl]phenol and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 085341-71-5 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 2-chloro-6-methyl-4-[[4-(1-methylethyl)phenyl]methyl]phenol and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 085341-71-5 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 2-chloro-6-ethyl-4-(phenylmethyl)phenol | Maneb 12427-38-2 | 085341-73-7 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 2,4,5-trimethyl-N-phenyl-3-furancarboxamide and zinc | Maneb 12427-38-2 | 085389-69-1 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 2-cyano-N-[(ethylamino)carbonyl]-2-(methoxyimino)acetamide | Maneb 12427-38-2 | 086102-39-8 |
| DL-Alanine, N-(2,6-dimethylphenyl)-N-(methoxyacetyl)-, methyl ester, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 086455-74-5 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with O-[2-(diethylamino)-6-methyl-4-pyrimidinyl] O,O-dimethyl phosphorothioate and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 087244-90-4 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with O-[2-(diethylamino)-6-methyl-4-pyrimidinyl] O,O-dimethyl phosphorothioate and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 087244-90-4 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with N-(2,6-dimethylphenyl)-2-methoxy-N-(2-oxo-3-oxazolidinyl)acetamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 088566-76-1 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with N-(2,6-dimethylphenyl)-2-methoxy-N-(2-oxo-3-oxazolidinyl)acetamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 088566-76-1 |

| Mixtures Containing EDBC Salts and Esters | | |
|---|---------------------|--------------------|
| Mixture Name | EDBC Component | Mixture CAS Number |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with copper, N-(2,6-dimethylphenyl)-2-methoxy-N-(2-oxo-3-oxazolidinyl)acetamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 088566-77-2 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with copper, N-(2,6-dimethylphenyl)-2-methoxy-N-(2-oxo-3-oxazolidinyl)acetamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 088566-77-2 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with (E)-.beta.-(2,4-dichlorophenyl)methylene-.alpha.-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol | Maneb 12427-38-2 | 088823-06-7 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with (E)-.beta.-(2,4-dichlorophenyl)methylene-.alpha.-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol | Zineb 12122-67-7 | 088823-07-8 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with (E)-.beta.-(2,4-dichlorophenyl)methylene-.alpha.-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 088823-08-9 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with (E)-.beta.-(2,4-dichlorophenyl)methylene-.alpha.-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 088823-08-9 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with diethyl [(dimethoxyphosphinothioyl)thio]butanedioate and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 090760-40-0 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with diethyl [(dimethoxyphosphinothioyl)thio]butanedioate and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 090760-40-0 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with copper chloride oxide hydrate, [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and methyl [1-(butylamino)carbonyl]-1H-benzimidazol-2-yl]carbamate | Maneb 12427-38-2 | 091997-64-7 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with copper chloride oxide hydrate, [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and methyl [1-(butylamino)carbonyl]-1H-benzimidazol-2-yl]carbamate | Zineb 12122-67-7 | 091997-64-7 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and 5-ethoxy-3-(trichloromethyl)-1,2,4-thiadiazole | Maneb 12427-38-2 | 092392-04-6 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and 5-ethoxy-3-(trichloromethyl)-1,2,4-thiadiazole | Zineb 12122-67-7 | 092392-04-6 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with (Z)-2-chloro-1-(2,4,5-trichlorophenyl)ethenyl dimethyl phosphate and copper | Zineb 12122-67-7 | 092981-26-5 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with sulfur and 2-(4-thiazolyl)-1H-benzimidazole | Maneb 12427-38-2 | 093511-99-0 |
| DL-Alanine, N-(2,6-dimethylphenyl)-N-(phenylacetyl)-, methylester, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]manganese and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 094786-86-4 |
| DL-Alanine, N-(2,6-dimethylphenyl)-N-(phenylacetyl)-, methyl ester, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]manganese and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 094786-86-4 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 5,6-dihydro-2-methyl-N-phenyl-1,4-oxathiin-3-carboxamide 4,4-dioxide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 094935-55-4 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 5,6-dihydro-2-methyl-N-phenyl-1,4-oxathiin-3-carboxamide 4,4-dioxide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 094935-55-4 |

| Mixtures Containing EDBC Salts and Esters | | |
|---|---------------------|--------------------|
| Mixture Name | EDBC Component | Mixture CAS Number |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with O-[2-(diethylamino)-6-methyl-4-pyrimidinyl] O,O-dimethyl phosphorothioate and methyl [1-(butylamino)carbonyl]-1H-benzimidazol-2-yl]carbamate | Zineb 12122-67-7 | 095081-43-9 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 5,10-dihydro-5,10-dioxonaphtho [2,3-b]-1,4-dithiin-2,3-dicarbonitrile and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 095359-56-1 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 5,10-dihydro-5,10-dioxonaphtho[2,3-b]-1,4-dithiin-2,3-dicarbonitrile and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 095359-56-1 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with ammonium molybdenum oxide, boric acid (H3BO3) and dimethyl (2,2,2-trichloro-1-hydroxyethyl)phosphonate | Zineb 12122-67-7 | 095529-11-6 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 2-chloro-6-methyl-4-(phenylmethyl)phenol | Zineb 12122-67-7 | 095896-66-5 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 1-(4-chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)-2-butanone and methyl 1H-benzimidazol-2-ylcarbamate | Maneb 12427-38-2 | 096234-92-3 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 4-butyl-4H-1,2,4-triazole and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 096610-70-7 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 4-butyl-4H-1,2,4-triazole and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 096610-70-7 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with tridemorph | Maneb 12427-38-2 | 096828-35-2 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with sodium hydrogen carbonate | Maneb 12427-38-2 | 099126-17-7 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with magnesium carbonate (1:1) | Maneb 12427-38-2 | 099126-18-8 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with dipotassium carbonate | Zineb 12122-67-7 | 099126-19-9 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with potassium hydrogen carbonate | Zineb 12122-67-7 | 099126-20-2 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with potassium hydrogen carbonate | Maneb 12427-38-2 | 099126-21-3 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and potassium hydrogen carbonate | Maneb 12427-38-2 | 099150-74-0 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and potassium hydrogen carbonate | Zineb 12122-67-7 | 099150-74-0 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with disodium carbonate and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 099150-75-1 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with disodium carbonate and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 099150-75-1 |

| Mixtures Containing EDBC Salts and Esters | | |
|--|----------------------|--------------------|
| Mixture Name | EDBC Component | Mixture CAS Number |
| D-Streptomine, O-2-deoxy-2-(methylamino)-.alpha.-L-glucopyranosyl-(1.fwdarw.2)-O-5-deoxy-3-C-formyl-.alpha.-L-lyxofuranosyl-(1.fwdarw.4)-N,N'-bis(aminoiminomethyl)-,mixt. with [4S-(4.alpha.,4a.alpha.,5.alpha.,5a.alpha.,6.beta.,12a.alpha.)]-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,5,6,10,12,12a-hexahydroxy-6-methyl-1,11-dioxo-2-naphthacene-carboxamide, [[1,2-ethanediybis[carbomodithioato]](2-)]manganese and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 099375-94-7 |
| D-Streptomine, O-2-deoxy-2-(methylamino)-.alpha.-L-glucopyranosyl-(1.fwdarw.2)-O-5-deoxy-3-C-formyl-.alpha.-L-lyxofuranosyl-(1.fwdarw.4)-N,N'-bis(aminoiminomethyl)-,mixt. with [4S-(4.alpha.,4a.alpha.,5.alpha.,5a.alpha.,6.beta.,12a.alpha.)]-4-(dimethylamino)-1,4,4a,5,5a,6,11,12a-octahydro-3,5,6,10,12,12a-hexahydroxy-6-methyl-1,11-dioxo-2-naphthacene-carboxamide, [[1,2-ethanediybis[carbomodithioato]](2-)]manganese and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 099375-94-7 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 2-cyano-N-[(ethylamino)carbonyl]-2-(methoxyimino)acetamide, N-(2,6-dimethylphenyl)-2-methoxy-N-(2-oxo-3-oxazolidinyl)acetamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 099629-34-2 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 2-cyano-N-[(ethylamino)carbonyl]-2-(methoxyimino)acetamide, N-(2,6-dimethylphenyl)-2-methoxy-N-(2-oxo-3-oxazolidinyl)acetamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 099629-34-2 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with N-(2,6-dimethylphenyl)-2-methoxy-N-(2-oxo-3-oxazolidinyl)acetamide | Maneb 12427-38-2 | 100308-00-7 |
| DL-Alanine, N-(2,6-dimethylphenyl)-N-(methoxyacetyl)-, methylester, mixt. with 2-cyano-N-[(ethylamino)carbonyl]-2-(methoxyimino)acetamide, [[1,2-ethanediybis[carbomodithioato]](2-)]manganese and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 100308-01-8 |
| DL-Alanine, N-(2,6-dimethylphenyl)-N-(methoxyacetyl)-, methyl ester, mixt. with 2-cyano-N-[(ethylamino)carbonyl]-2-(methoxyimino)acetamide, [[1,2-ethanediybis[carbomodithioato]](2-)]manganese and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 100308-01-8 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with N-(3-chlorophenyl)-N-(tetrahydro-2-oxo-3-furanyl)cyclopropanecarboxamide, 2-cyano-N-[(ethylamino)carbonyl]-2-(methoxyimino)acetamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 100308-02-9 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with N-(3-chlorophenyl)-N-(tetrahydro-2-oxo-3-furanyl)cyclopropanecarboxamide, 2-cyano-N-[(ethylamino)carbonyl]-2-(methoxyimino)acetamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 100308-02-9 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with N-(2,6-dimethylphenyl)-2-methoxy-N-(2-oxo-3-oxazolidinyl)acetamide | Zineb 12122-67-7 | 100308-04-1 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with N-(2,6-dimethylphenyl)-2-methoxy-N-(2-oxo-3-oxazolidinyl)acetamide, [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and ethyl hydrogen phosphonate aluminum salt | Maneb 12427-38-2 | 100308-08-5 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with N-(2,6-dimethylphenyl)-2-methoxy-N-(2-oxo-3-oxazolidinyl)acetamide, [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and ethyl hydrogen phosphonate aluminum salt | Zineb 12122-67-7 | 100308-08-5 |
| Acetamide, 2-cyano-N-[(ethylamino)carbonyl]-2-(methoxyimino)-, mixt. with metiram | Metiram 9006-42-2 | 100756-25-0 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and ethyl hydrogen phosphonate | Maneb 12427-38-2 | 100756-24-9 |

| Mixtures Containing EDBC Salts and Esters | | |
|--|---------------------|--------------------|
| Mixture Name | EDBC Component | Mixture CAS Number |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and ethyl hydrogen phosphonate | Zineb 12122-67-7 | 100756-24-9 |
| DL-Alanine, N-(2,6-dimethylphenyl)-N-(methoxyacetyl)-, methylester, mixt. with (T-4)-bis(dimethylcarbomodithioato-S,S')zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]manganeand [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 101362-28-1 |
| DL-Alanine, N-(2,6-dimethylphenyl)-N-(methoxyacetyl)-, methyl ester, mixt. with (T-4)-bis(dimethylcarbomodithioato-S,S')zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]manganeand [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 101362-28-1 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with copper hydroxide (Cu(OH)2) | Maneb 12427-38-2 | 101755-14-0 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with ammonium copper carbonate | Maneb 12427-38-2 | 101755-15-1 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 3-(3,5-dichlorophenyl)-N-(1-methylethyl)-2,4-dioxo-1-imidazolidinecarboxamide, 1-(8-hydroxy-5-quinolinyl)ethanonesulfate (2:1) (salt) and methyl [1-(butylamino)carbonyl]-1H-benzimidazol-2-yl]carbamate | Maneb 12427-38-2 | 102985-67-1 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with colfugo and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 103183-02-4 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with colfugo and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 103183-02-4 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with copper chloride oxide sulfate and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 104193-70-6 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with copper chloride oxide sulfate and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 104193-70-6 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with citcop 4E and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 104193-72-8 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with citcop 4E and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 104193-72-8 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with copper hydroxide sulfate (Cu4(OH)6(SO4)) and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 104193-73-9 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with copper hydroxide sulfate (Cu4(OH)6(SO4)) and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 104193-73-9 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with ammonium copper carbonate and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 104193-74-0 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with ammonium copper carbonate and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 104193-74-0 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with basic copper sulfate and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 104193-75-1 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with basic copper sulfate and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 104193-75-1 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with copper hydroxide (Cu(OH)2) and 2,4,5,6-tetrachloro-1,3-benzenedicarbonitrile | Maneb 12427-38-2 | 104317-51-3 |

| Mixtures Containing EDBC Salts and Esters | | |
|--|----------------------|--------------------|
| Mixture Name | EDBC Component | Mixture CAS Number |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole | Zineb 12122-67-7 | 104369-04-2 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 1-(4-chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)-2-butanone | Zineb 12122-67-7 | 104369-05-3 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with copper hydroxide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 104570-90-3 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with copper hydroxide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 104570-90-3 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with N-propyl-N-[2-(2,4,6-trichlorophenoxy)ethyl]-1H-imidazole-1-carboxamide | Maneb 12427-38-2 | 104585-72-0 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with .beta.-((1,1'-biphenyl)-4-yloxy)-.alpha.-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 104750-85-8 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with .beta.-((1,1'-biphenyl)-4-yloxy)-.alpha.-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 104750-85-8 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 1-(4-chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)-2-butanone and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 104813-24-3 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 1-(4-chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)-2-butanone and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 104813-24-3 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and N-[2,2,2-trichloro-1-(4-morpholinyl)ethyl]formamide | Maneb 12427-38-2 | 105347-94-2 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and N-[2,2,2-trichloro-1-(4-morpholinyl)ethyl]formamide | Zineb 12122-67-7 | 105347-94-2 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 2,6-dichloro-4-nitrobenzenamine and 3a,4,7,7a-tetrahydro-2-[(trichloromethyl)thio]-1H-isoindole-1,3(2H)-dione | Maneb 12427-38-2 | 106235-56-7 |
| 1H-Isoindole-1,3(2H)-dione, 3a,4,7,7a-tetrahydro-2-[(trichloromethyl)thio]-, mixt. with Metiram and sulfur | Metiram 9006-42-2 | 106425-66-5 |
| 5-Pyrimidinethanol, .alpha.-(2-chlorophenyl)-.alpha.-(4-chlorophenyl)-, mixt. with metiram | Metiram 9006-42-2 | 106425-67-6 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with .alpha.-(2-chlorophenyl)-.alpha.-(4-fluorophenyl)-5-pyrimidinethanol and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 106425-65-4 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with .alpha.-(2-chlorophenyl)-.alpha.-(4-fluorophenyl)-5-pyrimidinethanol and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 106425-65-4 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 4-[3-[4-(1,1-dimethylethyl)phenyl]-2-methylpropyl]-2,6-dimethylmorpholine | Maneb 12427-38-2 | 106605-82-7 |
| DL-Alanine, N-(2,6-dimethylphenyl)-N-(methoxyacetyl)-, methyl ester, mixt. with 3-(3,5-dichlorophenyl)-N-(1-methylethyl)-2,4-dioxo-1-imidazolidinecarboxamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 106745-78-2 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with .alpha.-butyl-.alpha.-(4-chlorophenyl)-1H-1,2,4-triazole-1-propanenitrile and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 107452-09-5 |

| Mixtures Containing EDBC Salts and Esters | | |
|---|----------------------|--------------------|
| Mixture Name | EDBC Component | Mixture CAS Number |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with .alpha.-butyl-.alpha.-(4-chlorophenyl)-1H-1,2,4-triazole-1-propanenitrileand [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 107452-09-5 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 2-chloro-N-(2,6-dimethyl phenyl)-N-(tetrahydro-2-oxo-3-furanyl)acetamideand [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 108043-20-5 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 2-chloro-N-(2,6-dimethyl phenyl)-N-(tetrahydro-2-oxo-3-furanyl)acetamideand [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 108043-20-5 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with poly(1,4-piperazinediy[carbonothioyldithiocarbonothioy])and tridemorph | Zineb 12122-67-7 | 108939-23-7 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 3-(3,5-dichlorophenyl)-5-ethenyl-5-methyl-2,4-oxazolinedioneand [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 109118-59-4 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 3-(3,5-dichlorophenyl)-5-ethenyl-5-methyl-2,4-oxazolinedioneand [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 109118-59-4 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 3-(3,5-dichlorophenyl)-N-(1-methylethyl)-2,4-dioxo-1-imidazolidinecarboxamideand [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 109118-60-7 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 3-(3,5-dichlorophenyl)-N-(1-methylethyl)-2,4-dioxo-1-imidazolidinecarboxamideand [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 109118-60-7 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with copper chloride oxide hydrate and tetramethylthioperoxydicarbonic diamide ((Me2N)C(S))2S2) | Zineb 12122-67-7 | 109265-97-6 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with .alpha.-butyl-.alpha.-phenyl-1H-imidazole-1-propanenitrile and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 109578-97-4 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with .alpha.-butyl-.alpha.-phenyl-1H-imidazole-1-propanenitrile and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 109578-97-4 |
| 1,3-Benzenedicarboxylic acid, 5-nitro-, bis(1-methylethyl) ester, mixt. with LAB 177369F and Metiram | Metiram 9006-42-2 | 109770-58-3 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazoleand [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 109885-98-5 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazoleand [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 109885-98-5 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 3-(3,5-dichlorophenyl)-5-ethenyl-5-methyl-2,4-oxazolinedione, [[1,2-ethanediybis[carbomodithioato]](2-)]zincand 3a,4,7,7a-tetrahydro-2-[(trichloromethyl)thio]-1H-isoindole-1,3(2H)-dione | Maneb 12427-38-2 | 110102-14-2 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 3-(3,5-dichlorophenyl)-5-ethenyl-5-methyl-2,4-oxazolinedione, [[1,2-ethanediybis[carbomodithioato]](2-)]zincand 3a,4,7,7a-tetrahydro-2-[(trichloromethyl)thio]-1H-isoindole-1,3(2H)-dione | Zineb 12122-67-7 | 110102-14-2 |
| Carbamic acid, [1-[(butylamino)carbonyl]-1H-benzimidazol-2-yl]-, methyl ester, mixt. with Metiram and 3a,4,7,7a-tetrahydro-2-[(trichloromethyl)thio]-1H-isoindole-1,3(2H)-dione | Metiram 9006-42-2 | 110413-77-9 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with S-[(4-chlorophenyl)methyl] diethylcarbamoithioate and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 110671-93-7 |

| Mixtures Containing EDBC Salts and Esters | | |
|--|----------------------|--------------------|
| Mixture Name | EDBC Component | Mixture CAS Number |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with S-[(4-chlorophenyl)methyl] diethylcarbamoithioate and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 110671-93-7 |
| DL-Alanine, N-(2,6-dimethylphenyl)-N-(methoxyacetyl)-, methylester, mixt. with metiram | Metiram 9006-42-2 | 110741-03-2 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with (E)-dimethyl 1-methyl-3-(methylamino)-3-oxo-1-propenylphosphate and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 111073-42-8 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with (E)-dimethyl 1-methyl-3-(methylamino)-3-oxo-1-propenylphosphate and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 111073-42-8 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with [[1,2-ethanediybis [carbodithioato]](2-)]zinc, O-[2-(ethylthio)ethyl] O,O-dimethylphosphorothioate and S-[2-(ethylthio)ethyl] O,O-dimethylphosphorothioate | Maneb 12427-38-2 | 111073-43-9 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with [[1,2-ethanediybis [carbodithioato]](2-)]zinc, O-[2-(ethylthio)ethyl] O,O-dimethylphosphorothioate and S-[2-(ethylthio)ethyl] O,O-dimethylphosphorothioate | Zineb 12122-67-7 | 111073-43-9 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with O,O-dimethyl S-[2-(methylamino)-2-oxoethyl] phosphorodithioate and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 111073-44-0 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with O,O-dimethyl S-[2-(methylamino)-2-oxoethyl] phosphorodithioate and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 111073-44-0 |
| DL-Alanine, N-(2,6-dimethylphenyl)-N-(methoxyacetyl)-, methylester, mixt. with [[1,2-ethanediy bis[carbomodithioato]](2-)]manganese, [[1,2-ethanediybis [carbomodithioato]](2-)]zinc, pentachloro nitrobenzene and 3a,4,7,7a-tetrahydro-2-[(1,1,2,2-tetrachloroethyl)thio]-1H-isoindole-1,3(2H)-dione | Maneb 12427-38-2 | 111520-44-6 |
| DL-Alanine, N-(2,6-dimethylphenyl)-N-(methoxyacetyl)-, methyl ester, mixt. with [[1,2-ethanediy bis[carbomodithioato]](2-)]manganese, [[1,2-ethanediybis [carbomodithioato]](2-)]zinc, pentachloro nitrobenzene and 3a,4,7,7a-tetrahydro-2-[(1,1,2,2-tetrachloroethyl)thio]-1H-isoindole-1,3(2H)-dione | Zineb 12122-67-7 | 111520-44-6 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 2-bromo-2-nitro-1,3-propanediol and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 112617-49-9 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 2-bromo-2-nitro-1,3-propanediol and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 112617-49-9 |
| DL-Alanine, N-(2,6-dimethylphenyl)-N-(methoxyacetyl)-, methyl ester, mixt. with copper chloride oxide hydrate and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 112628-03-2 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with (1.alpha.,2.alpha.,3.beta.,4.alpha.,5.alpha.,6.beta.)-1,2,3,4,5,6-hexachlorocyclohexane | Maneb 12427-38-2 | 113387-15-8 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 3-chloro-N-[3-chloro-2,6-dinitro-4-(trifluoromethyl)phenyl]-5-(trifluoromethyl)-2-pyridinamine | Maneb 12427-38-2 | 113803-63-7 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 3-chloro-N-[3-chloro-2,6-dinitro-4-(trifluoromethyl)phenyl]-5-(trifluoromethyl)-2-pyridinamine and [[1,2-ethanediybis [carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 114088-36-7 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 3-chloro-N-[3-chloro-2,6-dinitro-4-(trifluoromethyl)phenyl]-5-(trifluoromethyl)-2-pyridinamine and [[1,2-ethanediybis [carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 114088-36-7 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and P 43 (fungicide) | Maneb 12427-38-2 | 114758-72-4 |

| Mixtures Containing EDBC Salts and Esters | | |
|--|---------------------|--------------------|
| Mixture Name | EDBC Component | Mixture CAS Number |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and P 43 (fungicide) | Zineb 12122-67-7 | 114758-72-4 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with P 43 | Zineb 12122-67-7 | 114758-73-5 |
| DL-Alanine, N-(2,6-dimethylphenyl)-N-(methoxyacetyl)-, methylester, mixt. with (acetyloxy)triphenylstannane and [[1,2-ethanediybis[carbomodithioato]](2-)]manganese | Maneb 12427-38-2 | 114803-48-4 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with sodium ethyl phosphonate | Maneb 12427-38-2 | 115039-05-9 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with magnesium 1-methylethyl phosphonate | Maneb 12427-38-2 | 115039-10-6 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with calcium 1-methylethyl phosphonate | Maneb 12427-38-2 | 115039-13-9 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with aluminum 1-methylethyl phosphonate | Maneb 12427-38-2 | 115039-16-2 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with calcium ethyl phosphonate and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 115039-25-3 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with calcium ethyl phosphonate and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 115039-25-3 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with aluminum tris(ethyl phosphonate) | Maneb 12427-38-2 | 115056-19-4 |
| Glycine, N,N'-1,2-ethanediybis[N-(carboxymethyl)-, tetrasodium salt, mixt. with 1,2-ethanediybis[carbomodithioic acid] disodium salt | Nabam 142-59-6 | 115636-58-3 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 4-[3-(3,4-dimethoxyphenyl)-1-oxo-3-phenyl-2-propenyl]morpholine and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 116876-43-8 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 4-[3-(3,4-dimethoxyphenyl)-1-oxo-3-phenyl-2-propenyl]morpholine and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 116876-43-8 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 4-[3-[1,1'-biphenyl]-4-yl-3-(3,4-dimethoxyphenyl)-1-oxo-2-propenyl]morpholine and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 116876-44-9 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 4-[3-[1,1'-biphenyl]-4-yl-3-(3,4-dimethoxyphenyl)-1-oxo-2-propenyl]morpholine and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 116876-44-9 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with O,O-dimethyl O-(4-nitrophenyl) phosphorothioate | Zineb 12122-67-7 | 117266-28-1 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with niphimycin | Zineb 12122-67-7 | 117317-40-5 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with O,O-dimethyl S-[2-(methylamino)-2-oxoethyl] phosphorodithioate | Zineb 12122-67-7 | 117317-53-0 |
| L-Alanine, N-(2,6-dimethylphenyl)-N-(methoxyacetyl)-, methyl ester, mixt. with 1-(2-chloroethyl)-1,1-dimethylhydrazinium, copper chloride oxide hydrate and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 117599-15-2 |

| Mixtures Containing EDBC Salts and Esters | | |
|--|----------------------|--------------------|
| Mixture Name | EDBC Component | Mixture CAS Number |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 1-[2-(2,4-dichlorophenyl)pentyl]-1H-1,2,4-triazole and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 117660-41-0 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 1-[2-(2,4-dichlorophenyl)pentyl]-1H-1,2,4-triazole and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 117660-41-0 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 2-cyano-N-[(ethylamino)carbonyl]-2-(methoxyimino)acetamide and zinc sulfate (1:1) | Maneb 12427-38-2 | 119130-84-6 |
| DL-Alanine, N-(2,6-dimethylphenyl)-N-(methoxyacetyl)-, methyl ester, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and tridemorph | Zineb 12122-67-7 | 119202-38-9 |
| DL-Alanine, N-(2,6-dimethylphenyl)-N-(methoxyacetyl)-, methyl ester, mixt. with aldimorph and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 119219-11-3 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with N-(2,6-dimethylphenyl)-2-methoxy-N-(2-oxo-3-oxazolidinyl)acetamide, [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and tridemorph | Maneb 12427-38-2 | 119219-12-4 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with N-(2,6-dimethylphenyl)-2-methoxy-N-(2-oxo-3-oxazolidinyl)acetamide, [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and tridemorph | Zineb 12122-67-7 | 119219-12-4 |
| DL-Alanine, N-(2,6-dimethylphenyl)-N-(5-isoxazolylcarbonyl)-, methyl ester, mixt. with metiram and tridemorph | Metiram 9006-42-2 | 119252-76-5 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with (4-chlorophenyl)methyl N-(2,4-dichlorophenyl)-1H-1,2,4-triazole-1-ethanimidothioate | Maneb 12427-38-2 | 119315-99-0 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with (4-chlorophenyl)methyl N-(2,4-dichlorophenyl)-1H-1,2,4-triazole-1-ethanimidothioate | Zineb 12122-67-7 | 119316-00-6 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with (3,4-dichlorophenyl)methyl N-(2,4-dichlorophenyl)-1H-1,2,4-triazole-1-ethanimidothioate | Maneb 12427-38-2 | 119316-03-9 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with (3,4-dichlorophenyl)methyl N-(2,4-dichlorophenyl)-1H-1,2,4-triazole-1-ethanimidothioate | Zineb 12122-67-7 | 119316-04-0 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with (3,4-dichlorophenyl)methyl N-(2,4-dichlorophenyl)-1H-1,2,4-triazole-1-ethanimidothioate and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 119316-05-1 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with (3,4-dichlorophenyl)methyl N-(2,4-dichlorophenyl)-1H-1,2,4-triazole-1-ethanimidothioate and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 119316-05-1 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with (2,4-dichlorophenyl)methyl N-(2,4-dichlorophenyl)-1H-1,2,4-triazole-1-ethanimidothioate | Maneb 12427-38-2 | 119316-08-4 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with (4-chlorophenyl)methyl N-(2-chloro-4-fluorophenyl)-1H-1,2,4-triazole-1-ethanimidothioate and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 119316-09-5 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with (4-chlorophenyl)methyl N-(2-chloro-4-fluorophenyl)-1H-1,2,4-triazole-1-ethanimidothioate | Maneb 12427-38-2 | 119316-12-0 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with (4-chlorophenyl)methyl N-(2-chloro-4-fluorophenyl)-1H-1,2,4-triazole-1-ethanimidothioate | Zineb 12122-67-7 | 119316-13-1 |

| Mixtures Containing EDBC Salts and Esters | | |
|--|---------------------|--------------------|
| Mixture Name | EDBC Component | Mixture CAS Number |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with (4-chlorophenyl)methyl N-(2,4-dichlorophenyl)-1H-1,2,4-triazole-1-ethanimidothioate and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 119316-15-3 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with methyl [1-(butylamino)carbonyl]-1H-benzimidazol-2-yl]carbamate and tridemorph | Maneb 12427-38-2 | 119399-59-6 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 4-[3-(4-chlorophenyl)-3-(3,4-dimethoxyphenyl)-1-oxo-2-propenyl]morpholine and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 119793-38-3 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 4-[3-(4-chlorophenyl)-3-(3,4-dimethoxyphenyl)-1-oxo-2-propenyl]morpholine and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 119793-38-3 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with cyano(3-phenoxyphenyl)methyl 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 119884-25-2 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with cyano(3-phenoxyphenyl)methyl 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 119884-25-2 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 3a,4,7,7a-tetrahydro-2-[(1,1,2,2-tetrachloroethyl)thio]-1H-isoindole-1,3(2H)-dione | Zineb 12122-67-7 | 120502-25-2 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 4-chloro- α -(4-chlorophenyl)- α -(trichloromethyl)benzenemethanol and diethyl [(dimethoxyphosphinothioyl)thio]butanedioate | Zineb 12122-67-7 | 120720-91-4 |
| Carbamodithioic acid, 1,2-ethanediybis-, mixt. with dimethylcarbamodithioic acid | EDBC 111-54-6 | 120834-78-8 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with O,O-dimethyl S-[(4-oxo-1,2,3-benzotriazin-3(4H)-yl)methyl]phosphorodithioate, [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and sulfur | Maneb 12427-38-2 | 120973-11-7 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with O,O-dimethyl S-[(4-oxo-1,2,3-benzotriazin-3(4H)-yl)methyl]phosphorodithioate, [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and sulfur | Zineb 12122-67-7 | 120973-11-7 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 1-(4-chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)-2-butanone, [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and 1-(tricyclohexylstanny)-1H-1,2,4-triazole | Maneb 12427-38-2 | 120973-14-0 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 1-(4-chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)-2-butanone, [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and 1-(tricyclohexylstanny)-1H-1,2,4-triazole | Zineb 12122-67-7 | 120973-14-0 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with O,S-dimethyl acetylphosphoramidothioate, [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and sulfur | Maneb 12427-38-2 | 120973-15-1 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with O,S-dimethyl acetylphosphoramidothioate, [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and sulfur | Zineb 12122-67-7 | 120973-15-1 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 4-chloro-N-(cyanoethoxymethyl)benzamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 122907-21-5 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 4-chloro-N-(cyanoethoxymethyl)benzamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 122907-21-5 |

| Mixtures Containing EDBC Salts and Esters | | |
|--|---------------------|--------------------|
| Mixture Name | EDBC Component | Mixture CAS Number |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with copper chloride oxide hydrate, copper(2+) sulfate (1:1), 2,3-dichloro-1,4-naphthalenedione and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 123017-94-7 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with copper chloride oxide hydrate, copper(2+) sulfate (1:1), 2,3-dichloro-1,4-naphthalenedione and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 123017-94-7 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with N-cyclohexyl-N-methoxy-2,5-dimethyl-3-furancarboxamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 123304-04-1 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with N-cyclohexyl-N-methoxy-2,5-dimethyl-3-furancarboxamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 123304-04-1 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with N-(1-cyano-3-methyl-2-butenyl)-1,3-dimethyl-1H-pyrazole-4-carboxamide | Zineb 12122-67-7 | 123551-78-0 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with N-(cyano-2-thienylmethyl)-1-ethyl-3-methyl-1H-pyrazole-4-carboxamide | Zineb 12122-67-7 | 123551-79-1 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with N-(1-cyanobutyl)-1,3-dimethyl-1H-pyrazole-5-carboxamide | Zineb 12122-67-7 | 123551-80-4 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with N-(1-cyano-3-methyl-2-butenyl)-1,3-dimethyl-1H-pyrazole-4-carboxamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 123551-81-5 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with N-(1-cyano-3-methyl-2-butenyl)-1,3-dimethyl-1H-pyrazole-4-carboxamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 123551-81-5 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with N-(cyano-2-thienylmethyl)-1,3-dimethyl-1H-pyrazole-4-carboxamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 123551-82-6 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with N-(cyano-2-thienylmethyl)-1,3-dimethyl-1H-pyrazole-4-carboxamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 123551-82-6 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with N-(cyano-2-furanylmethyl)-1,3-dimethyl-1H-pyrazole-4-carboxamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 123551-83-7 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with N-(cyano-2-furanylmethyl)-1,3-dimethyl-1H-pyrazole-4-carboxamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 123551-83-7 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with N-(cyano-2-thienylmethyl)-1,3-dimethyl-1H-pyrazole-5-carboxamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 123551-84-8 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with N-(cyano-2-thienylmethyl)-1,3-dimethyl-1H-pyrazole-5-carboxamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 123551-84-8 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with N-(cyanophenylmethyl)-1,3-dimethyl-1H-pyrazole-5-carboxamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 123551-85-9 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with N-(cyanophenylmethyl)-1,3-dimethyl-1H-pyrazole-5-carboxamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 123551-85-9 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with N-(1-cyano-3-methyl-2-butenyl)-1-ethyl-3-methyl-1H-pyrazole-4-carboxamide | Zineb 12122-67-7 | 123589-39-9 |

| Mixtures Containing EDBC Salts and Esters | | |
|--|---------------------|--------------------|
| Mixture Name | EDBC Component | Mixture CAS Number |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with N-(cyano-2-furanylmethyl)-1,3-dimethyl-1H-pyrazole-4-carboxamide | Zineb 12122-67-7 | 123589-40-2 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with N-(1-cyano-3-methyl-2-butenyl)-1-methyl-3-(1-methylethyl)-1H-pyrazole-4-carboxamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 123589-65-1 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with N-(1-cyano-3-methyl-2-butenyl)-1-methyl-3-(1-methylethyl)-1H-pyrazole-4-carboxamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 123589-65-1 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with N-(cyano-3-thienylmethyl)-1,3-dimethyl-1H-pyrazole-4-carboxamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 123589-66-2 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with N-(cyano-3-thienylmethyl)-1,3-dimethyl-1H-pyrazole-4-carboxamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 123589-66-2 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with N-(1-cyano-3-methyl-2-butenyl)-3-methyl-1-phenyl-1H-pyrazole-4-carboxamide | Zineb 12122-67-7 | 123589-77-5 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with N-(cyano-2-thienylmethyl)-3-methyl-1-(1-methylethyl)-1H-pyrazole-4-carboxamide | Zineb 12122-67-7 | 123589-78-6 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with N-(cyano-2-furanylmethyl)-3-methyl-1-(1-methylethyl)-1H-pyrazole-4-carboxamide | Zineb 12122-67-7 | 123589-79-7 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with N-(cyano-3-furanylmethyl)-1,3-dimethyl-1H-pyrazole-4-carboxamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 123589-80-0 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with N-(cyano-3-furanylmethyl)-1,3-dimethyl-1H-pyrazole-4-carboxamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 123589-80-0 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with N-(cyano-2-furanylmethyl)-1,3-dimethyl-1H-pyrazole-5-carboxamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 123589-81-1 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with N-(cyano-2-furanylmethyl)-1,3-dimethyl-1H-pyrazole-5-carboxamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 123589-81-1 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with N-(1-cyanobutyl)-1,3-dimethyl-1H-pyrazole-5-carboxamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 123589-82-2 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with N-(1-cyanobutyl)-1,3-dimethyl-1H-pyrazole-5-carboxamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 123589-82-2 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with N-(cyano-2-furanylmethyl)-2,4-dimethyl-5-thiazolecarboxamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 123615-58-7 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with N-(cyano-2-furanylmethyl)-2,4-dimethyl-5-thiazolecarboxamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 123615-58-7 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with N-(1-cyano-3-methyl-2-butenyl)-2,4-dimethyl-5-thiazolecarboxamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 123615-60-1 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with N-(1-cyano-3-methyl-2-butenyl)-2,4-dimethyl-5-thiazolecarboxamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 123615-60-1 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with N-(cyano-2-thienylmethyl)-2,4-dimethyl-5-thiazolecarboxamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 123615-61-2 |

| Mixtures Containing EDBC Salts and Esters | | |
|--|----------------------|--------------------|
| Mixture Name | EDBC Component | Mixture CAS Number |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with N-(cyano-2-thienylmethyl)-2,4-dimethyl-5-thiazolecarboxamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 123615-61-2 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with N-(cyano-3-thienylmethyl)-2,4-dimethyl-5-thiazolecarboxamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 123615-62-3 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with N-(cyano-3-thienylmethyl)-2,4-dimethyl-5-thiazolecarboxamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 123615-62-3 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with N-(cyanophenylmethyl)-2,4-dimethyl-5-thiazolecarboxamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 123615-78-1 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with N-(cyanophenylmethyl)-2,4-dimethyl-5-thiazolecarboxamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 123615-78-1 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with N-(cyano-2-thienylmethyl)-2,4-diethyl-5-thiazolecarboxamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 123615-79-1 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with O,O-diethyl [2-(dipropylamino)-2-oxoethyl]ethylphosphoramidothioate, [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and N,N'-[1,4-piperazinediybis(2,2,2-trichloroethylidene)]bis[formamide] | Maneb 12427-38-2 | 123615-79-2 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with N-(cyano-2-thienylmethyl)-2,4-diethyl-5-thiazolecarboxamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 123615-79-2 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with O,O-diethyl [2-(dipropylamino)-2-oxoethyl]ethylphosphoramidothioate and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 123615-95-2 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with O,O-diethyl [2-(dipropylamino)-2-oxoethyl]ethylphosphoramidothioate, [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and N,N'-[1,4-piperazinediybis(2,2,2-trichloroethylidene)]bis[formamide] | Zineb 12122-67-7 | 123615-95-2 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with N-(cyano-2-furanylmethyl)-2,4-diethyl-5-thiazolecarboxamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 123616-02-4 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with O,O-diethyl [2-(dipropylamino)-2-oxoethyl]ethylphosphoramidothioate and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 123616-02-4 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with N-(1-cyano-3-methyl-2-butenyl)-4-ethyl-2-methyl-5-thiazolecarboxamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 123633-91-0 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with N-(cyano-2-furanylmethyl)-2,4-diethyl-5-thiazolecarboxamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 123633-91-0 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with N-(1-cyano-3-methyl-2-butenyl)-4-ethyl-2-methyl-5-thiazolecarboxamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 123713-29-1 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with propyl [3-(dimethylamino)propyl] carbamate, N-(2,6-dimethylphenyl)-2-methoxy-N-(2-oxo-3-oxazolidinyl)acetamide and [[1,2-ethanediybis[carbomodithioato]](2-)]manganese | Maneb 12427-38-2 | 123713-29-1 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with propyl [3-(dimethylamino)propyl] carbamate, N-(2,6-dimethylphenyl)-2-methoxy-N-(2-oxo-3-oxazolidinyl)acetamide and [[1,2-ethanediybis[carbomodithioato]](2-)]manganese | Zineb 12122-67-7 | 123814-02-8 |
| Carbamic acid, [3-(dimethylamino)propyl]-, propyl ester, monohydrochloride, mixt. with metiram | Metiram 9006-42-2 | 125084-06-2 |

| Mixtures Containing EDBC Salts and Esters | | |
|--|---------------------|--------------------|
| Mixture Name | EDBC Component | Mixture CAS Number |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with propyl [3-(dimethylamino)propyl]carbamate monohydrochloride | Maneb 12427-38-2 | 125084-04-0 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with propyl [3-(dimethylamino)propyl]carbamate | Zineb 12122-67-7 | 125084-07-3 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with .alpha.-(2-chlorophenyl)-.alpha.-(4-fluorophenyl)-5-pyrimidinemethanol and copper chloride oxide hydrate | Zineb 12122-67-7 | 126100-23-0 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 1-(2,4-dichlorophenyl)-2-(3-pyridinyl)ethanone O-methylxime and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 126187-18-6 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 1-(2,4-dichlorophenyl)-2-(3-pyridinyl)ethanone O-methylxime and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 126187-18-6 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 4-chloro-2-cyano-N,N-dimethyl-5-propyl-1H-imidazole-1-sulfonamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 127123-53-9 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 4-chloro-2-cyano-N,N-dimethyl-5-propyl-1H-imidazole-1-sulfonamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 127123-53-9 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 4-chloro-2-cyano-N,N-dimethyl-5-phenyl-1H-imidazole-1-sulfonamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 127123-54-0 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 4-chloro-2-cyano-N,N-dimethyl-5-phenyl-1H-imidazole-1-sulfonamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 127123-54-0 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with tetramethylthioperoxydicarbonic diamide ((Me2N)C(S)2S2) | Zineb 12122-67-7 | 12766-48-2 |
| DL-Alanine, N-(2,6-dimethylphenyl)-N-(methoxyacetyl)-, methyl ester, mixt. with [[1,2-ethanediy bis[carbomodithioato]](2-)]manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and tetrahydro-1,2,4,7-dithiadiazocine-3,8-dithione | Maneb 12427-38-2 | 127715-17-7 |
| DL-Alanine, N-(2,6-dimethylphenyl)-N-(methoxyacetyl)-, methyl ester, mixt. with [[1,2-ethanediy bis[carbomodithioato]](2-)]manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and tetrahydro-1,2,4,7-dithiadiazocine-3,8-dithione | Zineb 12122-67-7 | 127715-17-7 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with [[1,2-ethanediybis[carbamo dithioato]](2-)]zinc, ethyl hydrogen phosphonate aluminum salt and tetrahydro-1,2,4,7-dithiadiazocine-3,8-dithione | Maneb 12427-38-2 | 127774-61-2 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with [[1,2-ethanediybis[carbamo dithioato]](2-)]zinc, ethyl hydrogen phosphonate aluminum salt and tetrahydro-1,2,4,7-dithiadiazocine-3,8-dithione | Zineb 12122-67-7 | 127774-61-2 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and propyl [3-(dimethylamino)propyl]carbamate | Maneb 12427-38-2 | 127812-34-4 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and propyl [3-(dimethylamino)propyl]carbamate | Zineb 12122-67-7 | 127812-34-4 |
| DL-Alanine, N-(2,6-dimethylphenyl)-N-(methoxyacetyl)-, methyl ester, mixt. with copper chloride hydroxide (Cu2Cl(OH)3), [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and tetrahydro-1,2,4,7-dithiadiazocine-3,8-dithione | Zineb 12122-67-7 | 127963-76-2 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 8-quinolinol sulfate (2:1) (salt) | Zineb 12122-67-7 | 127964-14-1 |

| Mixtures Containing EDBC Salts and Esters | | |
|--|---------------------|--------------------|
| Mixture Name | EDBC Component | Mixture CAS Number |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and 8-quinolinol sulfate (2:1) (salt) | Maneb 12427-38-2 | 128061-10-9 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and 8-quinolinol sulfate (2:1) (salt) | Zineb 12122-67-7 | 128061-10-9 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 2-(2-chloroethoxy)-1,3,2-oxathiaphospholane 2-sulfide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 128374-58-3 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 2-(2-chloroethoxy)-1,3,2-oxathiaphospholane 2-sulfide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 128374-58-3 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 3-(3,5-dichlorophenyl)-5-ethenyl-5-methyl-2,4-oxazolidinedione, [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and 2,4,5,6-tetrachloro-1,3-benzenedicarbonitrile | Maneb 12427-38-2 | 128451-19-4 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 3-(3,5-dichlorophenyl)-5-ethenyl-5-methyl-2,4-oxazolidinedione, [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and 2,4,5,6-tetrachloro-1,3-benzenedicarbonitrile | Zineb 12122-67-7 | 128451-19-4 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and 2,4,5,6-tetrachloro-1,3-benzenedicarbonitrile | Maneb 12427-38-2 | 128451-20-7 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and 2,4,5,6-tetrachloro-1,3-benzenedicarbonitrile | Zineb 12122-67-7 | 128451-20-7 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 1-[[bis(4-fluorophenyl)methylsilyl)methyl]-1H-1,2,4-triazole and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 129249-23-6 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 1-[[bis(4-fluorophenyl)methylsilyl)methyl]-1H-1,2,4-triazole and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 129249-23-6 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with (.+.-).alpha.-butyl-.alpha.-(2,4-dichlorophenyl)-1H-1,2,4-triazole-1-ethanol and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 129249-24-7 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with (.+.-).alpha.-butyl-.alpha.-(2,4-dichlorophenyl)-1H-1,2,4-triazole-1-ethanol and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 129249-24-7 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with .alpha.-(4-chlorophenyl)-.alpha.-(1-cyclopropylethyl)-1H-1,2,4-triazole-1-ethanol and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 129249-26-9 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with .alpha.-(4-chlorophenyl)-.alpha.-(1-cyclopropylethyl)-1H-1,2,4-triazole-1-ethanol and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 129249-26-9 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with CGA 453 and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 129588-62-1 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with CGA 453 and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 129588-62-1 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and N-[1-(2-furanyl)-2-(hydroxyamino)-2-iminoethyl]-3-methyl-1-(1-methylethyl)-1H-pyrazole-5-carboxamide | Maneb 12427-38-2 | 130331-89-4 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and N-[1-(2-furanyl)-2-(hydroxyamino)-2-iminoethyl]-3-methyl-1-(1-methylethyl)-1H-pyrazole-5-carboxamide | Zineb 12122-67-7 | 130331-89-4 |

| Mixtures Containing EDBC Salts and Esters | | |
|--|----------------------|--------------------|
| Mixture Name | EDBC Component | Mixture CAS Number |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with [[1,2-ethanediybis[carbamo dithioato]](2-)]zinc and N-[1-(2-furanyl)-2-(hydroxyamino)-2-iminoethyl]-1,3-dimethyl-1H-pyrazole-5-carboxamide | Maneb 12427-38-2 | 130332-01-3 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with [[1,2-ethanediybis[carbamo dithioato]](2-)]zinc and N-[1-(2-furanyl)-2-(hydroxyamino)-2-iminoethyl]-1,3-dimethyl-1H-pyrazole-5-carboxamide | Zineb 12122-67-7 | 130332-01-3 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 1-(cyclopropylmethyl)-N-[2-(hydroxyamino)-2-imino-1-(2-thienyl)ethyl]-3-methyl-1H-pyrazole-5-carboxamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 130394-20-6 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 1-(cyclopropylmethyl)-N-[2-(hydroxyamino)-2-imino-1-(2-thienyl)ethyl]-3-methyl-1H-pyrazole-5-carboxamidæ and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 130394-20-6 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with [[1,2-ethanediybis[carbamo dithioato]](2-)]zinc and 1-ethyl-N-[2-(hydroxyamino)-2-imino-1-(2-thienyl)ethyl]-3-methyl-1H-pyrazole-5-carboxamide | Maneb 12427-38-2 | 130394-30-8 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with [[1,2-ethanediybis[carbamo dithioato]](2-)]zinc and 1-ethyl-N-[2-(hydroxyamino)-2-imino-1-(2-thienyl)ethyl]-3-methyl-1H-pyrazole-5-carboxamide | Zineb 12122-67-7 | 130394-30-8 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with [[1,2-ethanediybis[carbamo dithioato]](2-)]zinc and N-[2-(hydroxyamino)-2-imino-1-(2-thienyl)ethyl]-1,3-dimethyl-1H-pyrazole-5-carboxamide | Maneb 12427-38-2 | 130394-35-3 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with [[1,2-ethanediybis[carbamo dithioato]](2-)]zinc and N-[2-(hydroxyamino)-2-imino-1-(2-thienyl)ethyl]-1,3-dimethyl-1H-pyrazole-5-carboxamide | Zineb 12122-67-7 | 130394-35-3 |
| Alatsid, mixt. with Metiram | Metiram 9006-42-2 | 131790-78-8 |
| Cyclopropanecarboxylic acid, 3-(2,2-dichloroethenyl)-2,2-dimethyl-, (3-phenoxyphenyl)methyl ester, mixt. with Metiram | Metiram 9006-42-2 | 133092-88-3 |
| Phosphoric acid, dimethyl 1-methyl-3-(methylamino)-3-oxo-1-propenylester, (E)-, mixt. with Metiram | Metiram 9006-42-2 | 133092-89-4 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with O,O-diethyl O-(3,5,6-trichloro-2-pyridinyl) phosphorothioate | Zineb 12122-67-7 | 135579-43-0 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and thiourea | Maneb 12427-38-2 | 135579-53-2 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and thiourea | Zineb 12122-67-7 | 135579-53-2 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with thiourea | Zineb 12122-67-7 | 135579-54-3 |
| Cyclopropanecarboxylic acid, 3-(2,2-dibromoethenyl)-2,2-dimethyl-, cyano(3-phenoxyphenyl)methylester, [1R-[1.alpha.(S*),3.alpha.]]-, mixt. with Metiram and sulfur | Metiram 9006-42-2 | 135695-29-3 |
| Phosphorothioic acid, O,O-dimethyl O-(4-nitrophenyl) ester, mixt. with Metiram and sulfur | Metiram 9006-42-2 | 135695-30-6 |

| Mixtures Containing EDBC Salts and Esters | | |
|---|----------------------|--------------------|
| Mixture Name | EDBC Component | Mixture CAS Number |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with copper chloride oxide hydrate and 2,4,5,6-tetrachloro-1,3-benzenedicarbonitrile | Maneb 12427-38-2 | 136298-13-0 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with hydroxylamine hydrochloride | Zineb 12122-67-7 | 138729-30-3 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with N,2-dihydroxybenzamide | Zineb 12122-67-7 | 138729-34-7 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 5-[(4-chlorophenyl)methylene]-2,2-dimethyl-1-(1H-1,2,4-triazol-1-ylmethyl)cyclopentanol | Maneb 12427-38-2 | 139387-84-1 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 5-[(4-chlorophenyl)methylene]-2,2-dimethyl-1-(1H-1,2,4-triazol-1-ylmethyl)cyclopentanol | Zineb 12122-67-7 | 139387-85-2 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with N-(3,4-dichlorophenyl)-N'-(2,2,2-trichloro-1-hydroxyethyl)urea | Zineb 12122-67-7 | 139499-97-1 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 1-(4-chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)-2-butanone, [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and sulfur | Maneb 12427-38-2 | 139640-89-4 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 1-(4-chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)-2-butanone, [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and sulfur | Zineb 12122-67-7 | 139640-89-4 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and 5-methyl-1,2,4-triazolo[3,4-b]benzothiazole | Maneb 12427-38-2 | 140208-51-1 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and 5-methyl-1,2,4-triazolo[3,4-b]benzothiazole | Zineb 12122-67-7 | 140208-51-1 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 5-[(4-chlorophenyl)methylene]-2,2-dimethyl-1-(1H-1,2,4-triazol-1-ylmethyl)cyclopentanol and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 141537-00-0 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 5-[(4-chlorophenyl)methylene]-2,2-dimethyl-1-(1H-1,2,4-triazol-1-ylmethyl)cyclopentanol and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 141537-00-0 |
| Acetamide, N-(2,6-dimethylphenyl)-2-methoxy-N-(2-oxo-3-oxazolidinyl)-, mixt. with copper chloride oxide hydrate and metiram | Metiram 9006-42-2 | 141695-45-6 |
| DL-Alanine, N-(2,6-dimethylphenyl)-N-(methoxyacetyl)-, methyl ester, mixt. with copper chloride oxide hydrate and metiram | Metiram 9006-42-2 | 141695-44-5 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and propyl [3-(dimethylamino)propyl]carbamate monohydrochloride | Maneb 12427-38-2 | 141827-37-4 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and propyl [3-(dimethylamino)propyl]carbamate monohydrochloride | Zineb 12122-67-7 | 141827-37-4 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with dibenzoyl peroxide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 141963-63-5 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with dibenzoyl peroxide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 141963-63-5 |

| Mixtures Containing EDBC Salts and Esters | | |
|--|----------------------|--------------------|
| Mixture Name | EDBC Component | Mixture CAS Number |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with dibenzoyl peroxide | Maneb 12427-38-2 | 141963-64-6 |
| Peroxide, dibenzoyl, mixt. with metiram | Metiram 9006-42-2 | 141963-65-7 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with dibenzoyl peroxide | Zineb 12122-67-7 | 141963-66-8 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with .alpha.-(2-chlorophenyl)-.alpha.-(4-chlorophenyl)-5-pyrimidinemethanol and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 142044-14-2 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with .alpha.-(2-chlorophenyl)-.alpha.-(4-chlorophenyl)-5-pyrimidinemethanol and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 142044-14-2 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with copper chloride oxide hydrate, cyano(3-phenoxyphenyl)methyl 4-chloro-.alpha.-(1-methylethyl)benzeneacetate and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 142169-89-9 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with copper chloride oxide hydrate, cyano(3-phenoxyphenyl)methyl 4-chloro-.alpha.-(1-methylethyl)benzeneacetate and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 142169-89-9 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with dimethyl [1,2-phenylenebis(iminocarbonothioyl)]bis[carbamate], [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and sulfur | Maneb 12427-38-2 | 142194-95-4 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with dimethyl [1,2-phenylenebis(iminocarbonothioyl)]bis[carbamate], [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and sulfur | Zineb 12122-67-7 | 142194-95-4 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with copper chloride oxide hydrate, (E)-dimethyl 1-methyl-3-(methylamino)-3-oxo-1-propenyl phosphate and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 142212-29-1 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with copper chloride oxide hydrate, (E)-dimethyl 1-methyl-3-(methylamino)-3-oxo-1-propenyl phosphate and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 142212-29-1 |
| Acetamide, N-(2,6-dimethylphenyl)-2-methoxy-N-(2-oxo-3-oxazolidinyl)-, mixt. with metiram | Metiram 9006-42-2 | 142783-40-2 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 6-(4-chlorophenyl)-2-(2-pentynyl)-3(2H)-pyridazinone and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 143048-23-1 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 6-(4-chlorophenyl)-2-(2-pentynyl)-3(2H)-pyridazinone and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 143048-23-1 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 2-chloro-N-(ethoxymethyl)-N-(2-ethyl-6-methylphenyl)acetamide | Zineb 12122-67-7 | 143199-19-3 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with S-ethyl dipropylcarbamothioate | Zineb 12122-67-7 | 143199-20-6 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 2-chloro-N-(ethoxymethyl)-N-(2-ethyl-6-methylphenyl)acetamide and S-ethyl dipropylcarbamothioate | Zineb 12122-67-7 | 143199-21-7 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)]-, mixt. with 2-chloro-N-(ethoxymethyl)-N-(2-ethyl-6-methylphenyl)acetamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 143313-06-8 |

| Mixtures Containing EDBC Salts and Esters | | |
|--|---------------------|--------------------|
| Mixture Name | EDBC Component | Mixture CAS Number |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 2-chloro-N-(ethoxymethyl)-N-(2-ethyl-6-methylphenyl)acetamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 143313-06-8 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and S-ethyl dipropylcarbamoithioate | Maneb 12427-38-2 | 143313-07-9 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and S-ethyl dipropylcarbamoithioate | Zineb 12122-67-7 | 143313-07-9 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 3-(isononyloxy)-1-propanamine methyl phosphonate | Zineb 12122-67-7 | 145332-14-5 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 5,6-dihydro-2-methyl-N-phenyl-1,4-oxathiin-3-carboxamide, [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and tetramethylthioperoxydicarbonic diamide ((Me2N)C(S)2S2) | Maneb 12427-38-2 | 145871-21-2 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 5,6-dihydro-2-methyl-N-phenyl-1,4-oxathiin-3-carboxamide, [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and tetramethylthioperoxydicarbonic diamide ((Me2N)C(S)2S2) | Zineb 12122-67-7 | 145871-21-2 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 5,6-dihydro-2-methyl-N-phenyl-1,4-oxathiin-3-carboxamide, [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and 5-methyl-3(2H)-isoxazolone | Maneb 12427-38-2 | 146522-58-9 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 5,6-dihydro-2-methyl-N-phenyl-1,4-oxathiin-3-carboxamide, [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and 5-methyl-3(2H)-isoxazolone | Zineb 12122-67-7 | 146522-58-9 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with N-[(6-chloro-3-pyridinyl)methyl]-N'-cyano-N-methylcyclopropanecarboximidamide | Zineb 12122-67-7 | 147262-06-4 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with N-[(6-chloro-3-pyridinyl)methyl]-N'-cyano-N-methylethanimidamide | Zineb 12122-67-7 | 147360-85-8 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with N-[(6-chloro-3-pyridinyl)methyl]-N'-cyano-N-methylmethanimidamide | Zineb 12122-67-7 | 147360-90-5 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with N-[(6-chloro-3-pyridinyl)methyl]-N'-cyanopropanimidamide | Zineb 12122-67-7 | 147360-92-7 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with N-[(6-chloro-3-pyridinyl)methyl]-N'-cyano-N-cyclopropylethanimidamide | Zineb 12122-67-7 | 147390-38-3 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with (.+.-).alpha.-[2-(4-chlorophenyl)ethyl]-.alpha.-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 147630-55-5 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with (.+.-).alpha.-[2-(4-chlorophenyl)ethyl]-.alpha.-(1,1-dimethylethyl)-1H-1,2,4-triazole-1-ethanol and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 147630-55-5 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 4,5-dichloro-2-octyl-3(2H)-isothiazolone | Maneb 12427-38-2 | 147762-34-3 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with (T-4)-bis(dimethylcarbomodithioato-S,S')zinc and 4,5-dichloro-2-octyl-3(2H)-isothiazolone | Maneb 12427-38-2 | 147762-35-4 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with copper oxide (Cu2O) and 2-octyl-3(2H)-isothiazolone | Maneb 12427-38-2 | 147762-38-7 |

| Mixtures Containing EDBC Salts and Esters | | |
|---|---------------------|--------------------|
| Mixture Name | EDBC Component | Mixture CAS Number |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with copper oxide (Cu2O) and 4,5-dichloro-2-octyl-3(2H)-isothiazolone | Maneb 12427-38-2 | 147762-40-1 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with copper oxide (Cu2O) and 4,5-dichloro-2-octyl-3(2H)-isothiazolone | Zineb 12122-67-7 | 147789-26-2 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 2-bromo-2-nitro-1,3-propanediol | Zineb 12122-67-7 | 148073-08-9 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with N-(cyano-2-thienylmethyl)-2-(4-methoxy-2-methylphenyl)imidazo[1,2-a]pyridine-8-carboxamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 148802-75-9 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with N-(cyano-2-thienylmethyl)-2-(4-methoxy-2-methylphenyl)imidazo[1,2-a]pyridine-8-carboxamide and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 148802-75-9 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 4-ethoxy-6-methyl-N-phenyl-2-pyrimidinamine | Maneb 12427-38-2 | 149264-27-7 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 4-ethynyl-6-methyl-N-phenyl-2-pyrimidinamine | Maneb 12427-38-2 | 149264-28-8 |
| Zinc, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 4-ethoxy-6-methyl-N-phenyl-2-pyrimidinamine | Zineb 12122-67-7 | 149264-30-2 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 4,6-dimethyl-N-phenyl-2-pyrimidinamine and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 149264-32-4 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 4,6-dimethyl-N-phenyl-2-pyrimidinamine and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 149264-32-4 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 3-(3,5-dichlorophenyl)-N-(1-methylethyl)-2,4-dioxo-1-imidazolidinecarboxamide, [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and tetramethylthioperoxydicarbonic diamide ((Me2N)C(S))2S2 | Maneb 12427-38-2 | 149294-96-2 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with 3-(3,5-dichlorophenyl)-N-(1-methylethyl)-2,4-dioxo-1-imidazolidinecarboxamide, [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and tetramethylthioperoxydicarbonic diamide ((Me2N)C(S))2S2 | Zineb 12122-67-7 | 149294-96-2 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with copper chloride hydroxide (Cu2Cl(OH)3) and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Maneb 12427-38-2 | 149855-18-5 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with copper chloride hydroxide (Cu2Cl(OH)3) and [[1,2-ethanediybis[carbomodithioato]](2-)]zinc | Zineb 12122-67-7 | 149855-18-5 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, compd. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc (1:1), mixt. with N-(2,6-dimethylphenyl)-2-methoxy-N-(2-oxo-3-oxazolidinyl)acetamide | Maneb 12427-38-2 | 149922-80-5 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, compd. with [[1,2-ethanediybis[carbomodithioato]](2-)]zinc (1:1), mixt. with N-(2,6-dimethylphenyl)-2-methoxy-N-(2-oxo-3-oxazolidinyl)acetamide | Zineb 12122-67-7 | 149922-80-5 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with copper chloride oxide hydrate, [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and 6-methyl-1,3-dithiolo[4,5-b]quinoxalin-2-one | Maneb 12427-38-2 | 150389-52-9 |
| Manganese, [[1,2-ethanediybis[carbomodithioato]](2-)-, mixt. with copper chloride oxide hydrate, [[1,2-ethanediybis[carbomodithioato]](2-)]zinc and 6-methyl-1,3-dithiolo[4,5-b]quinoxalin-2-one | Zineb 12122-67-7 | 150389-52-9 |

| Mixtures Containing EDBC Salts and Esters | | |
|---|---------------------|--------------------|
| Mixture Name | EDBC Component | Mixture CAS Number |
| Manganese, [[1,2-ethanediy]bis[carbamo]dithioato]](2-)-, mixt. with (4-chlorophenyl)methyl N-(2-chloro-4-fluorophenyl)-1H-1,2,4-triazole-1-ethanimidothioate and [[1,2-ethanediy]bis[carbamo]dithioato]](2-)-zinc | Zineb 12122-67-7 | 199316-09-5 |
| Manganese, [[1,2-ethanediy]bis[carbamo]dithioato]](2-)-, mixt. with (4-chlorophenyl)methyl N-(2,4-dichlorophenyl)-1H-1,2,4-triazole-1-ethanimidothioate and [[1,2-ethanediy]bis[carbamo]dithioato]](2-)-zinc | Zineb 12122-67-7 | 199316-15-3 |

