TOXICS RELEASE INVENTORY

List of Toxic Chemicals within Ethylenebisdithiocarbamic Acid, Salts and Esters Category and List of Mixtures that Contain the Individually listed Chemicals Maneb, Metiram, Nabam, and Zineb

Section 313 of the Emergency Planning and Community Right-to-Know Act (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. EPCRA section 313 is also known as the Toxics Release Inventory (TRI).

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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 were effective January 1, 1994 for reports due July 1995. Ethylenebisdithiocarbamic acid (EBDC), salts and esters was 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 EBDC salt or ester component is reportable. EPA is providing in this document a list of CAS numbers and chemical names to aid the regulated community in determining whether they need to report for the EBDC 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 list in this document.

In addition to the EBDC category, there are four individually listed EBDC chemicals, these are: maneb (Chemical Abstracts Service Number (CAS#) 12427-38-2), metiram (CAS# 9006-42-2), nabam (CAS# 142-59-6), and zineb (CAS# 12122-67-7). Maneb and zineb were on the original EPCRA section 313 list established by Congress while metiram and nabam were added to the list by EPA (November 30, 1994, 59 FR 61432). This document contains a list of mixtures that contain these individually listed EBDC chemicals that should be considered in any threshold and release determinations for these chemicals. Maneb, metiram, nabam, and zineb are subject to the one percent de minimis concentration. Thus, mixtures that contain these chemicals in excess of the de minimis should be factored into threshold and release determinations. These individually listed chemicals and the mixtures that contain them are not part of the EBDC category.
Who Must Report

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


Facilities included in the following NAICS codes (corresponding to SIC codes other than SIC codes 20 through 39): 212111, 212112, 212113 (corresponds to SIC code 12, Coal Mining (except 1241)); or 212221, 212222, 212230, 212299 (corresponds to SIC code 10, Metal Mining (except 1011, 1081, and 1094)); or 221111, 221112, 221113, 221118, 221121, 221122, 221330 (limited to facilities that combust coal and/or oil for the purpose of generating power for distribution in commerce) (corresponds to SIC codes 4911, 4931, and 4939, Electric Utilities); or 424690, 425110, 425120 (limited to facilities previously classified in SIC code 5169, Chemicals and Allied Products, Not Elsewhere Classified); or 424710 (corresponds to SIC code 5171, Petroleum Bulk Terminals and Plants); or 562112 (limited to facilities primarily engaged in solvent recovery services on a contract or fee basis (previously classified under SIC code 7389, Business Services, NEC)); or 562211, 562212, 562213, 562219, 562290 (limited to facilities regulated under the Resource Conservation and Recovery Act, subtitle C, 42 U.S.C. 6921 et seq.) (corresponds to SIC code 4953, Refuse Systems); and

2. It has 10 or more full-time employees (or the equivalent 20,000 hours per year); and

3. It manufactures, 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 manufactured, processed, or otherwise 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 during 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 during 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 during the calendar year.
Section 2. CAS Number List of Chemicals and Mixtures that Contain the Ethylenebisdithiocarbamic Acid, Salts and Esters

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 EBDC 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.

<table>
<thead>
<tr>
<th>Collective Index Name</th>
<th>Common Name</th>
<th>CAS Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylenebisdithiocarbamic acid (EBDC)</td>
<td>N/A</td>
<td>111-54-6</td>
</tr>
<tr>
<td>Carbamic acid, ethylenebis[dithio-, ammonium sodium salt)</td>
<td>N/A</td>
<td>1428-76-8</td>
</tr>
<tr>
<td>Carbamodithioic acid, 1,2-ethanediylbis-, diammonium salt</td>
<td>N/A</td>
<td>3566-10-7</td>
</tr>
<tr>
<td>Carbamodithioic acid, 1,2-ethanediylbis-, calcium salt (1:1)</td>
<td>N/A</td>
<td>5895-18-1</td>
</tr>
<tr>
<td>Ethylenebis[dithiocarbamic acid] manganese zinc complex</td>
<td>Mancozeb</td>
<td>8018-01-7</td>
</tr>
<tr>
<td>Carbamodithioic acid, 1,2-ethanediylbis-, dipotassium salt</td>
<td>N/A</td>
<td>10039-34-6</td>
</tr>
<tr>
<td>Carbamodithioic acid, 1,2-ethanediylbis-, monosodium salt</td>
<td>N/A</td>
<td>13036-89-0</td>
</tr>
<tr>
<td>Carbamodithioic acid, 1,2-ethanediylbis-, ammonium salt</td>
<td>N/A</td>
<td>17188-79-3</td>
</tr>
<tr>
<td>Carbamodithioic acid, 1,2-ethanediylbis-, sodium salt</td>
<td>N/A</td>
<td>22124-95-4</td>
</tr>
<tr>
<td>Carbamic acid, ethylenebis[dithio-, ammonium potassium salt</td>
<td>N/A</td>
<td>22221-14-3</td>
</tr>
<tr>
<td>Imidocarbamic acid, ethylenebis[dithio-, tetrasodium salt</td>
<td>N/A</td>
<td>28216-83-3*</td>
</tr>
<tr>
<td>Ethanol, 2,2',2''-nitrilotris-, 1,2-ethanediylbis[carbamodithioate] (2:1) (salt)</td>
<td>Amobam T</td>
<td>33233-06-6*</td>
</tr>
<tr>
<td>Carbamimidothioic acid, methyl ester, 1,2-ethanediylbis[carbamodithioate] (2:1)</td>
<td>N/A</td>
<td>40884-52-4*</td>
</tr>
<tr>
<td>Carbamodithioic acid, ethyl ester, 1,2-ethanediylbis[carbamodithioate] (2:1)</td>
<td>N/A</td>
<td>62938-40-3*</td>
</tr>
<tr>
<td>Carbamodithioic acid, 1,2-ethanediylbis-, potassium salt</td>
<td>N/A</td>
<td>85051-95-2*</td>
</tr>
<tr>
<td>Carbamodithioic acid, 1,2-ethanediylbis-, barium salt (1:1)</td>
<td>N/A</td>
<td>90091-45-5*</td>
</tr>
<tr>
<td>Carbamodithioic acid, 1,2-ethanediylbis-, mixt. with dimethylcarbamodithioic acid</td>
<td>N/A</td>
<td>120834-78</td>
</tr>
</tbody>
</table>

N/A - Not applicable
* - Indicates the mixtures under this category
Section 3. CAS Number List of Mixtures that Contain the Individually Listed Chemicals Maneb, Metiram, Nabam, and Zineb

EPA is providing the following list of CAS numbers and chemical names for mixtures which contain the individually listed chemicals mane, metiram, nabam, and zineb. This list will aid the regulated community in determining whether they need to report for these chemicals. However, this list is not exhaustive. If a facility is manufacturing, processing, or using a mixture that contains any of these chemicals, they must report to TRI, even if the mixture does not appear on the following list. Threshold calculations for the each of these listed chemicals should account only for the percentage of the chemical contained in the mixture.

Table 2. CAS Number List of Mixtures that Contain the Individually Listed Chemicals Maneb, Metiram, Nabam, and Zineb

<table>
<thead>
<tr>
<th>Mixture Name</th>
<th>Component</th>
<th>Mixture CAS Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc, bis(dimethylcarbamodithioato-S,S')- (T-4)-, mixt. with [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Zineb 12122-67-7</td>
<td>8004-24-8</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with nickel(2+) sulfate (1:1)</td>
<td>Maneb 12427-38-2</td>
<td>8005-46-7</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Zineb 12122-67-7</td>
<td>8018-01-7</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Maneb 12427-38-2</td>
<td>8018-01-7</td>
</tr>
<tr>
<td>Zinc, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with nickel(2+) sulfate (1:1)</td>
<td>Zineb 12122-67-7</td>
<td>8030-50-0</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc and 2(or 4)-isooctyl-4,6(or 2,6)-dinitrophenyl 2-butoenoate</td>
<td>Maneb 12427-38-2</td>
<td>8064-42-4</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc and 2(or 4)-isooctyl-4,6(or 2,6)-dinitrophenyl 2-butoenoate</td>
<td>Zineb 12122-67-7</td>
<td>8064-42-4</td>
</tr>
<tr>
<td>Copper, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Zineb 12122-67-7</td>
<td>8065-68-7</td>
</tr>
<tr>
<td>Zinc, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with copper chloride oxide hydrate</td>
<td>Zineb 12122-67-7</td>
<td>8066-21-5</td>
</tr>
<tr>
<td>Zinc, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with poly(dithiocarbonothioyliminocarbonothioyl)</td>
<td>Zineb 12122-67-7</td>
<td>8066-22-6</td>
</tr>
<tr>
<td>Zinc, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with 2,3-dichloro-1,4-naphthalenedione and sulfur</td>
<td>Zineb 12122-67-7</td>
<td>8066-45-3</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc and (OC-6-11)-tris(dimethylcarbamodithioato-S,S')iron</td>
<td>Maneb 12427-38-2</td>
<td>8067-88-7</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc and (OC-6-11)-tris(dimethylcarbamodithioato-S,S')iron</td>
<td>Zineb 12122-67-7</td>
<td>8067-88-7</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with chlorotriphenylstannane</td>
<td>Maneb 12427-38-2</td>
<td>8068-19-7</td>
</tr>
<tr>
<td>Mixture Name</td>
<td>Component</td>
<td>Mixture CAS Number</td>
</tr>
<tr>
<td>-----------------------------------------------------------------------------</td>
<td>---------------------------------------------------------------------------</td>
<td>--------------------</td>
</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)[2-]]-mixt. with hydroxytriphenylstannane</td>
<td>Maneb 12427-38-2, 8068-21-1</td>
<td></td>
</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)[2-]]-mixt. with (acetoxy)triphenylstannane</td>
<td>Maneb 12427-38-2, 8068-24-4</td>
<td></td>
</tr>
<tr>
<td>Zinc, [[1,2-ethanediylbis(carbamodithioato)[2-]], mixt. with copper(1+) hypochlorite</td>
<td>Zineb 12122-67-7, 8069-53-2</td>
<td></td>
</tr>
<tr>
<td>Zinc, [[1,2-ethanediylbis(carbamodithioato)[2-]], mixt. with copper and sulfur</td>
<td>Zineb 12122-67-7, 8070-00-6</td>
<td></td>
</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)[2-]], mixt. with [[1,2-ethanediylbis(carbamodithioato)[2-]]zinc and tetramethylthioperoxydicarbonic diamide ([Me₂N(C(S))₂]₂)</td>
<td>Maneb 12427-38-2, 8070-06-2</td>
<td></td>
</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)[2-]], mixt. with [[1,2-ethanediylbis(carbamodithioato)[2-]]zinc and tetramethylthioperoxydicarbonic diamide ([Me₂N(C(S))₂]₂)</td>
<td>Zineb 12122-67-7, 8070-06-2</td>
<td></td>
</tr>
<tr>
<td>Zinc, [[1,2-ethanediylbis(carbamodithioato)[2-]], mixt. with (2,4-dichlorophenoxy)acetic acid</td>
<td>Zineb 12122-67-7, 8071-31-6</td>
<td></td>
</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)[2-]], mixt. with 6-chloro-N-cyclopropyl-N'-(1-methylethyl)-1,3,5-triazine-2,4-diamine</td>
<td>Maneb 12427-38-2, 8071-38-3</td>
<td></td>
</tr>
<tr>
<td>Zinc, [[1,2-ethanediylbis(carbamodithioato)[2-]], mixt. with (1aa,2β,2aa,3β,6β,6aa,7β,7aa)-3,4,5,6,9,9-hexachloro-1a,2a,3,6aa,7a-octahydro-2,7,3,6-dimethanaphth[2,3-b]oxirene</td>
<td>Zineb 12122-67-7, 8071-76-9</td>
<td></td>
</tr>
<tr>
<td>4,4’-Bipyridinium, 1,1’-dimethyl-, dichloride, mixt. with N’-(3,4-dichlorophenyl)-N,N-dimethylurea, disodium methylarsionate and [[1,2-ethanediylbis(carbamodithioato)[2-]]zinc</td>
<td>Zineb 12122-67-7, 8071-88-3</td>
<td></td>
</tr>
<tr>
<td>Zinc, [[1,2-ethanediylbis(carbamodithioato)[2-]], mixt. with dimethyl [1,2-phenylenebis(iminocarbonothioyl)]bis[carbamate]</td>
<td>Zineb 12122-67-7, 8071-89-4</td>
<td></td>
</tr>
<tr>
<td>Zinc, [[1,2-ethanediylbis(carbamodithioato)[2-]], mixt. with methyl [1-{(butylamino)carbonyl}-1H-benzimidazol-2-yl]carbamate</td>
<td>Zineb 12122-67-7, 8072-26-2</td>
<td></td>
</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)[2-]], mixt. with [[1,2-ethanediylbis(carbamodithioato)[2-]]zinc and methyl [1-{(butylamino)carbonyl}-1H-benzimidazol-2-yl]carbamate</td>
<td>Maneb 12427-38-2, 8072-27-3</td>
<td></td>
</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)[2-]], mixt. with [[1,2-ethanediylbis(carbamodithioato)[2-]]zinc and methyl [1-{(butylamino)carbonyl}-1H-benzimidazol-2-yl]carbamate</td>
<td>Zineb 12122-67-7, 8072-27-3</td>
<td></td>
</tr>
<tr>
<td>Zinc, [[1,2-ethanediylbis(carbamodithioato)[2-]], mixt. with diethyl [1,2-phenylenebis(iminocarbonothioyl)]bis[carbamate]</td>
<td>Zineb 12122-67-7, 8072-32-0</td>
<td></td>
</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)[2-]], mixt. with diethyl [1,2-phenylenebis(iminocarbonothioyl)]bis[carbamate] and [[1,2-ethanediylbis(carbamodithioato)[2-]]zinc</td>
<td>Maneb 12427-38-2, 8072-33-1</td>
<td></td>
</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)[2-]], mixt. with diethyl [1,2-phenylenebis(iminocarbonothioyl)]bis[carbamate] and [[1,2-ethanediylbis(carbamodithioato)[2-]]zinc</td>
<td>Zineb 12122-67-7, 8072-33-1</td>
<td></td>
</tr>
<tr>
<td>Zinc, [[1,2-ethanediylbis(carbamodithioato)[2-]], mixt. with ammonium nitrate, 4-chlorophenyl 4-chlorobenzenesulfonate and O,O-diethyl O-(4-nitrophenyl) phosphorothioate</td>
<td>Zineb 12122-67-7, 8073-83-4</td>
<td></td>
</tr>
<tr>
<td>Zinc, [[1,2-ethanediylbis(carbamodithioato)[2-]], mixt. with 4-chlorophenyl 4-chlorobenzenesulfonate and O,O-diethyl O-(4-nitrophenyl) phosphorothioate</td>
<td>Zineb 12122-67-7, 8073-85-6</td>
<td></td>
</tr>
<tr>
<td>Mixture Name</td>
<td>Component</td>
<td>Mixture CAS Number</td>
</tr>
<tr>
<td>--------------</td>
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<td>--------------------</td>
</tr>
<tr>
<td>D-Streptamine, O-2-deoxy-2-(methylamino)-α-L-glucopyranosyl-(1→2)-O-5-deoxy-3-C-formyl-α-L-lyxofuranosyl-(1→4)-N,N-bis(aminomethyl)-, sulfate (2:3) (salt), mixt. with [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]manganese and methyl N-[(methylamino)carbonyl]oxy)ethanimidothioate</td>
<td>Maneb 12427-38-2</td>
<td>8075-14-7</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc and nickel(2+) sulfate (1:1)</td>
<td>Maneb 12427-38-2</td>
<td>8076-26-4</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc and nickel(2+) sulfate (1:1)</td>
<td>Zineb 12122-67-7</td>
<td>8076-26-4</td>
</tr>
<tr>
<td>Zinc, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with poly(thiocarbonothioylimino-1,2-ethanediyliminocarboxonothioyl) (3:1)</td>
<td>Zineb 12122-67-7</td>
<td>9019-28-7</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with copper chloride oxide hydrate, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc and magnesium sulfate</td>
<td>Maneb 12427-38-2</td>
<td>37287-29-9</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with copper chloride oxide hydrate, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc and magnesium sulfate</td>
<td>Zineb 12122-67-7</td>
<td>37287-29-9</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with 1,4-dichloro-2,5-dimethoxybenzene</td>
<td>Maneb 12427-38-2</td>
<td>37301-43-2</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with sulfur and tetramethylthioperoxydicarbonic diamide ([(Me,Ni(C(Si))₂]₄)</td>
<td>Maneb 12427-38-2</td>
<td>39277-98-0</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with pentachloronitrobenzene and tetramethylthioperoxydicarbonic diamide ([(Me,Ni(C(Si))₂]₄)</td>
<td>Maneb 12427-38-2</td>
<td>39277-99-1</td>
</tr>
<tr>
<td>Chloric acid, copper(1+) salt, mixt. with metiram</td>
<td>Metiram 9006-42-2</td>
<td>39283-98-2</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with 2,6-dichloro-4-nitrobenzenamine and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Maneb 12427-38-2</td>
<td>39298-00-5</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with 2,6-dichloro-4-nitrobenzenamine and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Zineb 12122-67-7</td>
<td>39298-00-5</td>
</tr>
<tr>
<td>Zinc, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with sulfur</td>
<td>Zineb 12122-67-7</td>
<td>39312-75-9</td>
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<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with methyl [1-[(butylamino)carbonyl]-1H-benimidazol-2-yl]carbamate</td>
<td>Maneb 12427-38-2</td>
<td>39341-94-1</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with copper hydroxide (Cu(OH)₂) and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Maneb 12427-38-2</td>
<td>39342-58-0</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with copper hydroxide (Cu(OH)₂) and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Zineb 12122-67-7</td>
<td>39342-58-0</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc and sulfur</td>
<td>Maneb 12427-38-2</td>
<td>39374-31-7</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc and sulfur</td>
<td>Zineb 12122-67-7</td>
<td>39374-31-7</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc, sulfur and 3a,4,7a-tetrahydro-2-[(trichloromethyl)thio]-1H-isoindole-1,3(2H)-dione</td>
<td>Maneb 12427-38-2</td>
<td>39374-36-2</td>
</tr>
<tr>
<td>Mixture Name</td>
<td>Component</td>
<td>Mixture CAS Number</td>
</tr>
<tr>
<td>------------------------------------------------------------------------------</td>
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<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc, sulfur and 3a,4,7,7a-tetrahydro-2-[(trichloromethyl)thio]-1H-isindoled-1,3(2H)-dione</td>
<td>Zineb 12122-67-7</td>
<td>39374-36-2</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with sulfur and 3a,4,7,7a-tetrahydro-2-[(trichloromethyl)thio]-1H-isindoled-1,3(2H)-dione</td>
<td>Maneb 12427-38-2</td>
<td>39374-37-3</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with 3-butyl-6-(ethylamino)-2-methyl-4-pyridinol and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Maneb 12427-38-2</td>
<td>39374-43-1</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with 3-butyl-6-(ethylamino)-2-methyl-4-pyridinol and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Maneb 12427-38-2</td>
<td>39374-43-1</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with 3-butyl-6(ethylamino)-2-methyl-4-pyridinol and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Maneb 12427-38-2</td>
<td>39374-48-6</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with 3-butyl-6(ethylamino)-2-methyl-4-pyridinol and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Maneb 12427-38-2</td>
<td>39374-48-6</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with 3-butyl-6(ethylamino)-2-methyl-4-pyridinol and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Maneb 12427-38-2</td>
<td>39374-48-6</td>
</tr>
<tr>
<td>Metiram 9006-42-2, mixt. with metiram</td>
<td>Metiram 9006-42-2</td>
<td>39394-36-0</td>
</tr>
<tr>
<td>Metiram 9006-42-2, mixt. with metiram</td>
<td>Metiram 9006-42-2</td>
<td>39394-37-1</td>
</tr>
<tr>
<td>Zinc, bis(methylcarbamodithioato-S,S')-, (T-4)-, mixt. with [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Maneb 12122-67-7</td>
<td>39400-76-5</td>
</tr>
<tr>
<td>Zinc, bis(methylcarbamodithioato-S,S')-, (T-4)-, mixt. with [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Maneb 12122-67-7</td>
<td>39400-84-5</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc and hydroxytriphenylstannane</td>
<td>Maneb 12122-67-7</td>
<td>39400-84-5</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc and hydroxytriphenylstannane</td>
<td>Maneb 12122-67-7</td>
<td>39400-84-5</td>
</tr>
<tr>
<td>Copper, bis(8-quinolinolato-N1,O8)-, mixt. with 9,10-anthracenedione, 5,6-dihydro-2-methyl-N-phenyl-1,4-oxathiin-3-carboxamide, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]manganese and ([1,2,3,4,5,6-hexachlorocyclohexane]</td>
<td>Maneb 12427-38-2</td>
<td>39409-03-5</td>
</tr>
<tr>
<td>Zinc, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with 2(or 4)-isooctyl-4,6(or 2,6)-dimethylphenyl</td>
<td>Maneb 12427-38-2</td>
<td>39472-21-4</td>
</tr>
<tr>
<td>Zinc, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with (1α,4α,4α,5α,8αβ)-1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydrop-1,4,5,8- dimethanonaphthalene</td>
<td>Zineb 12122-67-7</td>
<td>50934-44-6</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with 5,6-dihydro-2-methyl-N-phenyl-1,4-oxathiin-3-carboxamide and (1α,2α,3β,4α,5α,6β)-1,2,3,4,5,6-hexachlorocyclohexane</td>
<td>Maneb 12427-38-2</td>
<td>51202-56-3</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with 1,2-ethanediamine and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Maneb 12427-38-2</td>
<td>51274-90-9</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with 1,2-ethanediamine and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Maneb 12427-38-2</td>
<td>51274-90-9</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with N(2-aminooethyl)-1,2-ethanediamine and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Maneb 12427-38-2</td>
<td>51274-91-0</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with N(2-aminooethyl)-1,2-ethanediamine and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Maneb 12427-38-2</td>
<td>51274-91-0</td>
</tr>
</tbody>
</table>
Table 2. CAS Number List of Mixtures that Contain the Individually Listed Chemicals Maneb, Metiram, Nabam, and Zineb

<table>
<thead>
<tr>
<th>Mixture Name</th>
<th>Component</th>
<th>Mixture CAS Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copper, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with N,N'-bis(2-aminoethyl)-1,2-ethanediamine and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Maneb 12427-38-2</td>
<td>51274-95-4</td>
</tr>
<tr>
<td>Iron, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with N,N'-bis(2-aminoethyl)-1,2-ethanediamine and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Zineb 12122-67-7</td>
<td>51274-94-3</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with N,N'-bis(2-aminoethyl)-1,2-ethanediamine and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Maneb 12427-38-2</td>
<td>51274-95-4</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with N,N'-bis(2-aminoethyl)-1,2-ethanediamine and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Zineb 12122-67-7</td>
<td>51274-95-4</td>
</tr>
<tr>
<td>Nickel, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with N,N'-bis(2-aminoethyl)-1,2-ethanediamine and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Zineb 12122-67-7</td>
<td>51274-96-5</td>
</tr>
<tr>
<td>Iron, tris[<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]di-, mixt. with N,N'-bis(2-aminoethyl)-1,2-ethanediamine and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Zineb 12122-67-7</td>
<td>51274-97-6</td>
</tr>
<tr>
<td>Zinc, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with O,O-diethyl O-[6-methyl-2-(1-methylethyl)-4-pyrimidinyl] phosphorothioate</td>
<td>Zineb 12122-67-7</td>
<td>51358-42-0</td>
</tr>
<tr>
<td>Zinc, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with O,O-diethyl O-[6-methyl-2-(1-methylethyl)-4-pyrimidinyl] phosphorothioate</td>
<td>Zineb 12122-67-7</td>
<td>51358-42-0</td>
</tr>
<tr>
<td>Zinc, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with 2-(1-methylethoxy)phenyl methylcarbamate</td>
<td>Zineb 12122-67-7</td>
<td>51358-43-1</td>
</tr>
<tr>
<td>Zinc, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with O,O-diethyl O-(4-nitrophenyl) phosphorothioate</td>
<td>Zineb 12122-67-7</td>
<td>51358-44-2</td>
</tr>
<tr>
<td>Zinc, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with diethyl (dimethoxyphosphinothiol)thio]butanedioate</td>
<td>Zineb 12122-67-7</td>
<td>51358-45-3</td>
</tr>
<tr>
<td>Zinc, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with S-[2-(ethylamino)-2-oxoethyl] O,O-dimethyl phosphorodithioate</td>
<td>Zineb 12122-67-7</td>
<td>51358-47-5</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with copper hydroxide sulfate (Cu(OH)₂(SO₄)) monohydrate and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Maneb 12427-38-2</td>
<td>51367-08-9</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with copper hydroxide sulfate (Cu(OH)₂(SO₄)) monohydrate and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Zineb 12122-67-7</td>
<td>51367-08-9</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], dihydrate, mixt. with 1,2-ethanediamine and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Zineb 12122-67-7</td>
<td>51367-09-0</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], dihydrate, mixt. with N,N'-bis(2-aminoethyl)-1,2-ethanediamine and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Zineb 12122-67-7</td>
<td>51367-11-4</td>
</tr>
<tr>
<td>Iron(1+), [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], chloride, mixt. with N,N'-bis(2-aminoethyl)-1,2-ethanediamine, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]manganese dihydrate and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Zineb 12122-67-7</td>
<td>51382-99-1</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with 5,6-dihydro-2-methyl-N-phenyl-1,4-oxathiin-3-carboxamide</td>
<td>Maneb 12427-38-2</td>
<td>51484-80-1</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc and Polyoxin AL</td>
<td>Maneb 12427-38-2</td>
<td>51745-89-2</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc and Polyoxin AL</td>
<td>Zineb 12122-67-7</td>
<td>51745-89-2</td>
</tr>
<tr>
<td>Mixture Name</td>
<td>Component</td>
<td>Mixture CAS Number</td>
</tr>
<tr>
<td>-------------------------------------------------------------------------------</td>
<td>----------------------------------</td>
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</tr>
<tr>
<td>Nonactin, 5-dimethyl-5-ethyl-, mixt. with [[1,2-ethanediylbis[carbamodithioato]][2-]]manganese</td>
<td>Maneb 12427-38-2</td>
<td>51901-10-1</td>
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<tr>
<td>Manganese, [[1,2-ethanediylbis[carbamodithioato]][2-]], mixt. with methyl 1H-benimidazol-2-ylcarbamate</td>
<td>Maneb 12427-38-2</td>
<td>52080-81-6</td>
</tr>
<tr>
<td>Zinc, [[1,2-ethanediylbis[carbamodithioato]][2-]], mixt. with methyl 1H-benimidazol-2-ylcarbamate</td>
<td>Zineb 12122-67-7</td>
<td>52080-82-7</td>
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<tr>
<td>Zinc, bis(2-hydroxy-N-phenylbenzamido)-O,O'-, (T-4)-, mixt. with [[1,2-ethanediylbis[carbamodithioato]][2-]]zinc</td>
<td>Zineb 12122-67-7</td>
<td>52109-05-4</td>
</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis[carbamodithioato]][2-]], mixt. with 2,5-dimethyl-N-phenyl-3-furancarboxamide</td>
<td>Maneb 12427-38-2</td>
<td>52233-08-6</td>
</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis[carbamodithioato]][2-]], mixt. with 2,5-dimethyl-N-phenyl-3-furancarboxamide and [[1,2-ethanediylbis[carbamodithioato]][2-]]zinc</td>
<td>Maneb 12427-38-2</td>
<td>52233-09-7</td>
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<tr>
<td>Manganese, [[1,2-ethanediylbis[carbamodithioato]][2-]], mixt. with 2,5-dimethyl-N-phenyl-3-furancarboxamide and [[1,2-ethanediylbis[carbamodithioato]][2-]]zinc</td>
<td>Zineb 12122-67-7</td>
<td>52233-09-7</td>
</tr>
<tr>
<td>Zinc, [[1,2-ethanediylbis[carbamodithioato]][2-]], mixt. with copper chloride oxide hydrate and Tenac</td>
<td>Zineb 12122-67-7</td>
<td>52357-55-8</td>
</tr>
<tr>
<td>Copper chloride oxide, hydrate, mixt. with metiram</td>
<td>Metiram 9006-42-2</td>
<td>52623-98-0</td>
</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis[carbamodithioato]][2-]], mixt. with (T-4)bis(dimethyl)carbamodithioato-S,S'zinc</td>
<td>Maneb 12427-38-2</td>
<td>52623-85-5</td>
</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis[carbamodithioato]][2-]], mixt. with dimethyl [1,2-phenylenebis(iminocarbonothioyl)]bis[carbamate]</td>
<td>Maneb 12427-38-2</td>
<td>52623-88-8</td>
</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis[carbamodithioato]][2-]], mixt. with copper chloride oxide hydrate</td>
<td>Maneb 12427-38-2</td>
<td>52769-87-6</td>
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<tr>
<td>Phosphonium, decytriphenyl-, (TB-5-12)-bromochlorotriphenylstannate(1-), mixt. with [[1,2-ethanediylbis[carbamodithioato]][2-]]manganese</td>
<td>Maneb 12427-38-2</td>
<td>52769-89-8</td>
</tr>
<tr>
<td>Metiram, mixt. with copper chloride (CuCl₂)</td>
<td>Metiram 9006-42-2</td>
<td>52932-50-0</td>
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<tr>
<td>Manganese, [[1,2-ethanediylbis[carbamodithioato]][2-]], mixt. with copper chloride oxide hydrate and [[1,2-ethanediylbis[carbamodithioato]][2-]]zinc</td>
<td>Maneb 12427-38-2</td>
<td>53568-86-8</td>
</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis[carbamodithioato]][2-]], mixt. with copper chloride oxide hydrate and [[1,2-ethanediylbis[carbamodithioato]][2-]]zinc</td>
<td>Zineb 12122-67-7</td>
<td>53568-86-8</td>
</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis[carbamodithioato]][2-]], mixt. with [[1,2-ethanediylbis[carbamodithioato]][2-]]copper</td>
<td>Maneb 12427-38-2</td>
<td>53988-93-5</td>
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<tr>
<td>Zinc, [[1,2-ethanediylbis[carbamodithioato]][2-]], mixt. with sodium hydroxide (Na(OH)) and tetramethylthioperoxidicarboxylic diamide ([(Me₃N)C(S)]₂S₂)</td>
<td>Zineb 12122-67-7</td>
<td>54017-74-2</td>
</tr>
<tr>
<td>Zinc, [[1,2-ethanediylbis[carbamodithioato]][2-]], mixt. with disodium carbonate and tetramethylthioperoxidicarboxylic diamide ([(Me₃N)C(S)]₂S₂)</td>
<td>Zineb 12122-67-7</td>
<td>54033-88-4</td>
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<tr>
<td>Manganese, [[1,2-ethanediylbis[carbamodithioato]][2-]], mixt. with (1α,2α,3β,4α,5α,6β)-1,2,3,4,5,6-hexachlorocyclohexane and 1-(8-hydroxy-5-quinoliny1)ethanone sulfate (2:1) (salt)</td>
<td>Maneb 12427-38-2</td>
<td>54175-27-8</td>
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<tr>
<td>Mixture Name</td>
<td>Component</td>
<td>Mixture CAS Number</td>
</tr>
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<tr>
<td>Manganese, [[1,2-ethanediylbis[carbamodithioato][2-]]]-, mixt. with 1-(8-hydroxy-5-quinolinyl)ethanone sulfate (2:1) (salt)</td>
<td>Maneb 12427-38-2</td>
<td>54175-28-9</td>
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<tr>
<td>Manganese, [[1,2-ethanediylbis[carbamodithioato][2-]]]-, mixt. with copper chloride oxide (CuCl₂O₃) and [[1,2-ethanediylbis[carbamodithioato][2-]]]zinc</td>
<td>Maneb 12427-38-2</td>
<td>54651-86-4</td>
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<tr>
<td>Manganese, [[1,2-ethanediylbis[carbamodithioato][2-]]]-, mixt. with copper chloride oxide (CuCl₂O₃) and [[1,2-ethanediylbis[carbamodithioato][2-]]]zinc</td>
<td>Zineb 12122-67-7</td>
<td>54651-86-4</td>
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<tr>
<td>Manganese, [[1,2-ethanediylbis[carbamodithioato][2-]]]-, mixt. with 2,6-dimethyl-4-tridecylmorpholine</td>
<td>Maneb 12427-38-2</td>
<td>54842-07-8</td>
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<tr>
<td>Zinc, [[1,2-ethanediylbis[carbamodithioato][2-]]]-, mixt. with 2,6-dimethyl-4-tridecylmorpholine and [[1,2-ethanediylbis[carbamodithioato][2-]]]manganese</td>
<td>Maneb 12427-38-2</td>
<td>54842-08-9</td>
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<tr>
<td>Zinc, [[1,2-ethanediylbis[carbamodithioato][2-]]]-, mixt. with 2,6-dimethyl-4-tridecylmorpholine and [[1,2-ethanediylbis[carbamodithioato][2-]]]manganese</td>
<td>Zineb 12122-67-7</td>
<td>54842-08-9</td>
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<tr>
<td>Zinc, [[1,2-ethanediylbis[carbamodithioato][2-]]]-, mixt. with 2,6-dimethyl-4-tridecylmorpholine and [[1,2-ethanediylbis[carbamodithioato][2-]]]manganese</td>
<td>Zineb 12122-67-7</td>
<td>54842-09-0</td>
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<tr>
<td>Zinc, [[1,2-ethanediylbis[carbamodithioato][2-]]]-, mixt. with 2,6-dimethyl-4-tridecylmorpholine and [[1,2-ethanediylbis[carbamodithioato][2-]]]manganese</td>
<td>Zineb 12122-67-7</td>
<td>55015-08-2</td>
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<td>1.3-Benzene dicarboxylic acid, 5-nitro-, bis(1-methylethyl) ester, mixt. with metiram and 3a,4,7,7a-tetrahydro-2-[(trichloromethyl)thio]-1H-isooindole-1,3(2H)-dione</td>
<td>Metiram 9006-42-2</td>
<td>55257-73-3</td>
</tr>
<tr>
<td>1.3-Benzene dicarboxylic acid, 5-nitro-, bis(1-methylethyl) ester, mixt. with metiram</td>
<td>Metiram 9006-42-2</td>
<td>55257-78-8</td>
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<td>Manganese, [[1,2-ethanediylbis[carbamodithioato][2-]]]-, mixt. with bis(1-methylethyl) 5-nitro-1,3-benzenedicarboxylate</td>
<td>Maneb 12427-38-2</td>
<td>55257-45-9</td>
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<tr>
<td>Manganese, [[1,2-ethanediylbis[carbamodithioato][2-]]]-, mixt. with bis(1-methylethyl) 5-nitro-1,3-benzenedicarboxylate and [[1,2-ethanediylbis[carbamodithioato][2-]]]zinc</td>
<td>Maneb 12427-38-2</td>
<td>55257-46-0</td>
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<td>Manganese, [[1,2-ethanediylbis[carbamodithioato][2-]]]-, mixt. with bis(1-methylethyl) 5-nitro-1,3-benzenedicarboxylate and [[1,2-ethanediylbis[carbamodithioato][2-]]]zinc</td>
<td>Zineb 12122-67-7</td>
<td>55257-46-0</td>
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<td>Zinc, [[1,2-ethanediylbis[carbamodithioato][2-]]]-, mixt. with bis(1-methylthyl) 5-nitro-1,3-benzenedicarboxylate and [[1,2-ethanediylbis[carbamodithioato][2-]]]zinc</td>
<td>Zineb 12122-67-7</td>
<td>55257-47-1</td>
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<td>Zinc, [[1,2-ethanediylbis[carbamodithioato][2-]]]-, mixt. with bis(1-methylethyl) 5-nitro-1,3-benzenedicarboxylate and [[1,2-ethanediylbis[carbamodithioato][2-]]]zinc</td>
<td>Zineb 12122-67-7</td>
<td>55257-83-5</td>
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<td>Zinc, [[1,2-ethanediylbis[carbamodithioato][2-]]]-, mixt. with 2-(3,5-dichlorophenyl)-3a,4,5,6,7a-hexahydro-4,7-epoxy-1H-isooindole-1,3(2H)-dione</td>
<td>Zineb 12122-67-7</td>
<td>55257-84-6</td>
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<td>Zinc, [[1,2-ethanediylbis[carbamodithioato][2-]]]-, mixt. with 2-(3,5-dichlorophenyl)-3a,4,5,6,7a-hexahydro-4,7-epoxy-1H-isooindole-1,3(2H)-dione</td>
<td>Zineb 12122-67-7</td>
<td>55347-98-3</td>
</tr>
<tr>
<td>Zinc, [[1,2-ethanediylbis[carbamodithioato][2-]]]-, mixt. with 5,6-dihydro-2-methyl-N-phenyl-1,4-oxathiin-3-carboxamidine and [[1,2-ethanediylbis[carbamodithioato][2-]]]zinc</td>
<td>Zineb 12122-67-7</td>
<td>55347-98-3</td>
</tr>
<tr>
<td>Zinc, [[1,2-ethanediylbis[carbamodithioato][2-]]]-, mixt. with 5,6-dihydro-2-methyl-N-phenyl-1,4-oxathiin-3-carboxamidine and [[1,2-ethanediylbis[carbamodithioato][2-]]]zinc</td>
<td>Zineb 12122-67-7</td>
<td>55613-73-5</td>
</tr>
<tr>
<td>Zinc, [[1,2-ethanediylbis[carbamodithioato][2-]]]-, mixt. with [4-(1,1-dimethylethyl)phenyl]methyl 1-methylpropyl 3-pyridinyl carbonimidodithioate</td>
<td>Zineb 12122-67-7</td>
<td>55948-03-3</td>
</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis[carbamodithioato][2-]]]-, mixt. with [[1,2-ethanediylbis[carbamodithioato][2-]]]zinc and 3a,4,7,7a-tetrahydro-2-[(trichloromethyl)thio]-1H-isooindole-1,3(2H)-dione</td>
<td>Maneb 12427-38-2</td>
<td>55948-03-3</td>
</tr>
<tr>
<td>Mixture Name</td>
<td>Component</td>
<td>Mixture CAS Number</td>
</tr>
<tr>
<td>------------------------------------------------------------------------------</td>
<td>------------------------------------------------</td>
<td>---------------------</td>
</tr>
<tr>
<td>Zinc, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with 3,6,9,12-tetraazaazatetracane-1,14-diamine</td>
<td>Zineb 12122-67-7</td>
<td>55966-88-6</td>
</tr>
<tr>
<td>Zinc, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with N,N'-bis(2-aminoethyl)-1,2-ethanedianmine</td>
<td>Zineb 12122-67-7</td>
<td>55966-89-7</td>
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<tr>
<td>Zinc, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with N-(2-aminoethyl)-N'-[2- (2-aminoethyl)amino]ethyl]-1,2-ethanedianmine</td>
<td>Zineb 12122-67-7</td>
<td>55966-90-0</td>
</tr>
<tr>
<td>Cobalt, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with N,N'-bis(2-aminoethyl)-1,2-ethanedianmine and [[1,2-ethanediylbis(carbamodithioato)][2-]]zinc</td>
<td>Zineb 12122-67-7</td>
<td>56060-88-9</td>
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<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with N,N'-bis(2-aminoethyl)-1,2-ethanedianmine, [[1,2-ethanediylbis(carbamodithioato)][2-]]zinc and tris[[1,2-ethanediylbis(carbamodithioato)][2-]]diiron</td>
<td>Maneb 12427-38-2</td>
<td>56060-89-0</td>
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<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with N,N'-bis(2-aminoethyl)-1,2-ethanedianmine, [[1,2-ethanediylbis(carbamodithioato)][2-]]zinc and tris[[1,2-ethanediylbis(carbamodithioato)][2-]]diiron</td>
<td>Maneb 12427-38-2</td>
<td>56335-06-9</td>
</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with [[1,2-ethanediylbis(carbamodithioato)][2-]]zinc and methyl [1-(1-oxododecyl)-1H-benzimidazol-2-yl]carbamate</td>
<td>Maneb 12427-38-2</td>
<td>56335-06-9</td>
</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with [1,2-ethanediylbis(carbamodithioato)][2-]zinc and methyl [1-(1-oxododecyl)-1H-benzimidazol-2-yl]carbamate</td>
<td>Maneb 12427-38-2</td>
<td>56335-06-9</td>
</tr>
<tr>
<td>Zinc, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with methyl [1-(1-oxoheptyl)-1H-benzimidazol-2-yl]carbamate</td>
<td>Zineb 12122-67-7</td>
<td>56355-08-1</td>
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<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with methyl [1-(1-oxoheptyl)-1H-benzimidazol-2-yl]carbamate</td>
<td>Maneb 12427-38-2</td>
<td>56335-09-2</td>
</tr>
<tr>
<td>Zinc, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with O,O-dimethyl S-[2-(methylamino)-2-oxoethyl] phosphorodithioate and (1α,2α,3β,4α,5α,6β)-1,2,3,4,5,6-hexachlorocyclohexane</td>
<td>Zineb 12122-67-7</td>
<td>56335-26-3</td>
</tr>
<tr>
<td>Zinc, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with methyl (1-formyl-1H-benzimidazol-2-yl)carbamate</td>
<td>Zineb 12122-67-7</td>
<td>56362-08-4</td>
</tr>
<tr>
<td>Zinc, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with sulfur and tetramethylthioperoxydicarbonic diamide ([(Me2N)C(S)2]2)</td>
<td>Zineb 12122-67-7</td>
<td>56560-72-6</td>
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<tr>
<td>Metiram, mixt. with sulfur</td>
<td>Metiram 9006-42-2</td>
<td>57693-13-7</td>
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<td>Zinc, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with nickel chloride (NiCl2)</td>
<td>Zineb 12122-67-7</td>
<td>57925-44-7</td>
</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with copper and [[1,2-ethanediylbis(carbamodithioato)][2-]]zinc</td>
<td>Maneb 12427-38-2</td>
<td>58051-25-5</td>
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<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with copper and [[1,2-ethanediylbis(carbamodithioato)][2-]]zinc</td>
<td>Maneb 12427-38-2</td>
<td>58051-25-5</td>
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<tr>
<td>Zinc, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with copper chloride oxide hydrate, Haftol and Thiolsol</td>
<td>Zineb 12122-67-7</td>
<td>58411-08-8</td>
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<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with (7-4)-bis(dimethylcarbamodithioato-S,S)'zinc and sulfur</td>
<td>Maneb 12427-38-2</td>
<td>58653-44-4</td>
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<tr>
<td>Zinc, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with 2(2-or)-isoctyl-4,6(2,6)-dinitrophenyl 2-butenoate</td>
<td>Zineb 12122-67-7</td>
<td>58747-90-3</td>
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<tr>
<td>Mixture Name</td>
<td>Component</td>
<td>Mixture CAS Number</td>
</tr>
<tr>
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<tr>
<td>Zinc, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>-], mixt. with sulfur, [2R-(2α,6α, 12α)]-1,2,12a-tetrahydro-8,9-dimethoxy-2-(1-methylthienyl)[1]benzopyran[3,4- b]tiurol[2,3-h][1]benzozyran-6(6aH)-one and 1,1′-(2,2,2-trichloroethylidene)bis[4-chlorobenzene]</td>
<td>Zineb 12122-67-7</td>
<td>58846-99-4</td>
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<tr>
<td>Zinc, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>-], mixt. with (1α,2α,3β,4α,5α,6β)-1,2,3,4,5,6-hexachlorocyclohexane</td>
<td>Zineb 12122-67-7</td>
<td>58934-22-8</td>
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<td>Zinc, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>-], mixt. with cis-3a,4,7a-tetrahydro-2-[(1,1,2,2-tetrachloroethyl)thio]-1H-benzo[d]isocoumarin-1,3(2H)-dione</td>
<td>Maneb 12427-38-2</td>
<td>59271-33-9</td>
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<td>Zinc, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>-], mixt. with [R-(R<em>R</em>)]-2,2-dichloro-N-[2-hydroxy-1-(hydroxymethyl)-2-(4-nitrophenyl)ethyl]acetamide</td>
<td>Zineb 12122-67-7</td>
<td>59620-92-7</td>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>-], mixt. with [R-(R<em>R</em>)]-2,2-dichloro-N-[2-hydroxy-1-(hydroxymethyl)-2-(4-nitrophenyl)ethyl]acetamide</td>
<td>Maneb 12427-38-2</td>
<td>59644-60-9</td>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>-], mixt. with guazatine acetate</td>
<td>Maneb 12427-38-2</td>
<td>60194-14-1</td>
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<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>-], mixt. with dimethyl [1,2-phenylenebis(iminocarbonothioyl)]bis[carbamate] and <a href="2-">1,2-ethanediylbis[carbamodithioato]</a>-zinc</td>
<td>Maneb 12427-38-2</td>
<td>60240-47-3</td>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>-], mixt. with dimethyl [1,2-phenylenebis(iminocarbonothioyl)]bis[carbamate] and <a href="2-">1,2-ethanediylbis[carbamodithioato]</a>-zinc</td>
<td>Zineb 12122-67-7</td>
<td>60240-47-3</td>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>-], mixt. with magnesium bis[N,N-bis[2-hydroxy-5-sulphophenyl]methyl]glycinato(3-)cuprate(1-)</td>
<td>Maneb 12427-38-2</td>
<td>60351-11-3</td>
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<td>Zinc, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>-], mixt. with magnesium bis[N,N-bis[2-hydroxy-5-sulphophenyl]methyl]glycinato(3-)cuprate(1-)</td>
<td>Zineb 12122-67-7</td>
<td>60351-12-4</td>
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<tr>
<td>Zinc, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>-], mixt. with dimethyl (2,2,2-trichloro-1-hydroxyethyl)phosphonate</td>
<td>Zineb 12122-67-7</td>
<td>60540-99-0</td>
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<td>Dipyridol[1,2-a:2',1'-c]pyrazinedium, 6,7-dihydro-, mixt. with disodium 1,2-ethanediylbis[carbamodithioate]</td>
<td>Nabam 142-59-6</td>
<td>60558-39-6</td>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>-], mixt. with 2,4,5,6-tetrachloro-1,3-benzenedicarbonitrile</td>
<td>Maneb 12427-38-2</td>
<td>60704-04-3</td>
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<td>Butanediol, [[dimethoxyphosphinohethyl]thio]-, diethylester, mixt. with [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>-]manganese</td>
<td>Maneb 12427-38-2</td>
<td>60905-85-3</td>
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<td>Metiram, mixt. with tridemorph</td>
<td>Metiram 9006-42-2</td>
<td>60996-03-4</td>
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<tr>
<td>Zinc, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>-], mixt. with ethyl 4-chloro-α-(4-chlorophenyl)-α-hydroxybenzeneacetate</td>
<td>Zineb 12122-67-7</td>
<td>61007-05-4</td>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>-], mixt. with O,O-diethyl (1,3-dihydro-1,3-dioxo-2H-isindol-2-yl)phosphonohioate</td>
<td>Maneb 12427-38-2</td>
<td>61144-33-0</td>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>-], mixt. with O,O-diethyl (1,3-dihydro-1,3-dioxo-2H-isindol-2-yl)phosphonohioate and methyl 1H-benzimidazol-2-ylcarbamate</td>
<td>Maneb 12427-38-2</td>
<td>61144-35-2</td>
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<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>-], mixt. with dichlorol[1-2(2,4-dichloro phenyl)-2-(2-propenylxy)ethyl]-1H-imidazole-N3] zinc and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>-]zinc</td>
<td>Maneb 12427-38-2</td>
<td>61258-09-1</td>
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</table>
Table 2. CAS Number List of Mixtures that Contain the Individually Listed Chemicals Maneb, Metiram, Nabam, and Zineb

<table>
<thead>
<tr>
<th>Mixture Name</th>
<th>Component</th>
<th>Mixture CAS Number</th>
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</thead>
<tbody>
<tr>
<td>Manganese, [[1,2-ethanediylbis[carbamodithioato]][2-]]·mixt. with dichloro[1-2-(2,4-dichlorophenyl)-2-(2-propenylxy)ethyl]-1H-imidazole-N3]zinc and [[1,2-ethanediylbis[carbamodithioato]][2-]]zinc</td>
<td>Maneb 12427-38-2</td>
<td>61809-27-0</td>
</tr>
<tr>
<td>Zinc, [[1,2-ethanediylbis[carbamodithioato]][2-]]·mixt. with diethyl [(dimehtoxypyosphinothiolyl)thio]butanedioate and (1α,2α,3β,4α,5α,6β)-1,2,3,4,5,6-hexachlorocyclohexane</td>
<td>Maneb 12427-38-2</td>
<td>61811-22-1</td>
</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis[carbamodithioato]][2-]]·mixt. with 9,10-anthracenedione, [[1,2-ethanediylbis[carbamodithioato]][2-]]zinc and (1α,2α,3β,4α,5α,6β)-1,2,3,4,5,6-hexachlorocyclohexane</td>
<td>Maneb 12427-38-2</td>
<td>61811-22-1</td>
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<tr>
<td>Manganese, [[1,2-ethanediylbis[carbamodithioato]][2-]]·mixt. with 2-(4-thiazolyl)-1H-benzimidazole</td>
<td>Maneb 12427-38-2</td>
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</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis[carbamodithioato]][2-]]·mixt. with 5-butyl-2-(ethylnitio)-6-methyl-4(1H)-pyrimidinone</td>
<td>Maneb 12427-38-2</td>
<td>61912-68-3</td>
</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis[carbamodithioato]][2-]]·mixt. with N,N'-1,4-piperazinediybis[2,2,2-trichloroethylidene]bis[form amide]</td>
<td>Maneb 12427-38-2</td>
<td>61912-69-4</td>
</tr>
<tr>
<td>Zinc, [[1,2-ethanediylbis[carbamodithioato]][2-]]·mixt. with 6-methyl-1,3-dithioio[4,5-b]quinoxalin-2-one</td>
<td>Maneb 12427-38-2</td>
<td>61952-96-3</td>
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<tr>
<td>Zinc, [[1,2-ethanediylbis[carbamodithioato]][2-]]·mixt. with 1,1-dichloro-N-[[dimethylamino]sulfonflyl]-1-floro-N-phenylmethanesulfenamide</td>
<td>Maneb 12427-38-2</td>
<td>61952-97-4</td>
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<tr>
<td>Manganese, [[1,2-ethanediylbis[carbamodithioato]][2-]]·mixt. with sulfur</td>
<td>Maneb 12427-38-2</td>
<td>61970-56-7</td>
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<tr>
<td>Manganese, [[1,2-ethanediylbis[carbamodithioato]][2-]]·mixt. with sulfur and 2,4,5,6-tetrachloro-1,3-benzenedicarbonitrile</td>
<td>Maneb 12427-38-2</td>
<td>62240-14-6</td>
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<tr>
<td>Manganese, [[1,2-ethanediylbis[carbamodithioato]][2-]]·mixt. with [[1,2-ethanediylbis[carbamodithioato]][2-]]zinc and purafil</td>
<td>Maneb 12427-38-2</td>
<td>62476-70-4</td>
</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis[carbamodithioato]][2-]]·mixt. with [[1,2-ethanediylbis[carbamodithioato]][2-]]zinc and purafil</td>
<td>Maneb 12427-38-2</td>
<td>62476-70-4</td>
</tr>
<tr>
<td>Chromic acid (H₂CrO₄), dipotassium salt, mixt. with [[1,2-ethanediylbis[carbamodithioato]][2-]]manganese and [[1,2-ethanediylbis[carbamodithioato]][2-]]zinc</td>
<td>Maneb 12427-38-2</td>
<td>62476-72-6</td>
</tr>
<tr>
<td>Chromic acid (H₂CrO₄), dipotassium salt, mixt. with [[1,2-ethanediylbis[carbamodithioato]][2-]]manganese and [[1,2-ethanediylbis[carbamodithioato]][2-]]zinc</td>
<td>Maneb 12427-38-2</td>
<td>62476-72-6</td>
</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis[carbamodithioato]][2-]]·mixt. with 4-chloro-α-(4-chlorophenyl)-α-(trichloromethyl)benzene methanol, O,O-diethyl O-(4-nitrophenyl)phosphorothioate and [[1,2-ethanediylbis[carbamodithioato]][2-]]zinc</td>
<td>Maneb 12427-38-2</td>
<td>62682-57-9</td>
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<tr>
<td>Manganese, [[1,2-ethanediylbis[carbamodithioato]][2-]]·mixt. with 4-chloro-α-(4-chlorophenyl)-α-(trichloromethyl)benzene methanol, O,O-diethyl O-(4-nitrophenyl)phosphorothioate and [[1,2-ethanediylbis[carbamodithioato]][2-]]zinc</td>
<td>Maneb 12427-38-2</td>
<td>62682-57-9</td>
</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis[carbamodithioato]][2-]]·mixt. with 4-chloro-α-(4-chlorophenyl)-α-(trichloromethyl)benzene methanol, O,O-diethyl S-(4-oxo-1,2,3-benzotriazin-3(4H)-yl)methyl phosphorodithioate and [[1,2-ethanediylbis[carbamodithioato]][2-]]zinc</td>
<td>Maneb 12427-38-2</td>
<td>62682-58-0</td>
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<tr>
<td>Mixture Name</td>
<td>Component</td>
<td>Mixture CAS Number</td>
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<tr>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]-mixt. with 4-chloro-α-(4-chlorophenyl)-α-(trichloromethyl)benzenemethanol, O,O-dimethyl S-[4-oxo-1,2,3-benzo triazin-3(4H)-yl]methyl] phosphorodithioate and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]-zinc</td>
<td>Maneb 12427-38-2</td>
<td>62713-28-4</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]-mixt. with [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]-zinc and methyl 1H-benzimidazol-2-ylcarbamate</td>
<td>Maneb 12427-38-2</td>
<td>62713-28-4</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]-mixt. with [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]-zinc and methyl 1H-benzimidazol-2-ylcarbamate</td>
<td>Maneb 12427-38-2</td>
<td>62713-28-4</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]-mixt. with N-cyclohexyl-2,5-dimethyl-3-furancarboxamide</td>
<td>Maneb 12427-38-2</td>
<td>63028-77-3</td>
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<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]-mixt. with 1H-benzimidazol-2-ylcarbamate and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]-zinc</td>
<td>Maneb 12427-38-2</td>
<td>63665-18-9</td>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]-mixt. with 1H-benzimidazol-2-ylcarbamate and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]-zinc</td>
<td>Maneb 12427-38-2</td>
<td>63665-19-0</td>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]-mixt. with 2-cyano-N-ethylamino carbonyl-2-(methoxyimino)acetamide and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]-zinc</td>
<td>Maneb 12427-38-2</td>
<td>63665-25-8</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]-mixt. with 2-cyano-N-(ethylamino) carbonyl-2-(methoxyimino)acetamide and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]-zinc</td>
<td>Maneb 12427-38-2</td>
<td>63665-25-8</td>
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<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]-mixt. with [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]-zinc and urea</td>
<td>Maneb 12427-38-2</td>
<td>64034-47-5</td>
</tr>
<tr>
<td>Zinc, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]-mixt. with [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]-zinc and urea</td>
<td>Maneb 12427-38-2</td>
<td>64034-47-5</td>
</tr>
<tr>
<td>Zinc, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]-mixt. with urea</td>
<td>Maneb 12427-38-2</td>
<td>64034-68-0</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]-mixt. with copper chloride oxide hydrate, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]-copper and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]-zinc</td>
<td>Maneb 12427-38-2</td>
<td>64423-73-0</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]-mixt. with copper chloride oxide hydrate, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]-copper and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]-zinc</td>
<td>Maneb 12427-38-2</td>
<td>64423-73-0</td>
</tr>
<tr>
<td>Stannylium, triphenyl-, mixt. with [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]-manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]-zinc and methyl [1-{(butylamino)carbonyl}-1H-benzimidazol-2-yl]carbamate</td>
<td>Maneb 12427-38-2</td>
<td>64423-73-0</td>
</tr>
<tr>
<td>Stannylium, triphenyl-, mixt. with [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]-manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]-zinc and methyl [1-{(butylamino)carbonyl}-1H-benzimidazol-2-yl]carbamate</td>
<td>Maneb 12427-38-2</td>
<td>64423-73-0</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]-mixt. with 2-ido-N-phenylbenzamide and methyl 1H-benzimidazol-2-ylcarbamate</td>
<td>Maneb 12427-38-2</td>
<td>65394-82-3</td>
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<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]-mixt. with 4,6-dichloro-N -(2-chlorophenyl)-1,3,5-triazin-2-amine</td>
<td>Maneb 12427-38-2</td>
<td>65887-93-6</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]-mixt. with 2,2-dichloroethenyl dimethyl phosphate and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]-zinc</td>
<td>Maneb 12427-38-2</td>
<td>65932-30-1</td>
</tr>
<tr>
<td>Mixture Name</td>
<td>Component</td>
<td>Mixture CAS Number</td>
</tr>
<tr>
<td>------------------------------------------------------------------------------</td>
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<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a> ]- mixt. with 2,2-dichloroethyl dimethyl phosphate and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a> ]zinc</td>
<td>Zineb 12122-67-7</td>
<td>65932-30-1</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a> ]- mixt. with 4-chloro-α-(4-chlorophenyl)-α-(trichloromethyl)benzenemethanol and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a> ]zinc</td>
<td>Maneb 12427-38-2</td>
<td>65932-31-2</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a> ]- mixt. with 4-chloro-α-(4-chlorophenyl)-α-(trichloromethyl)benzenemethanol and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a> ]zinc</td>
<td>Zineb 12122-67-7</td>
<td>65932-31-2</td>
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<tr>
<td>Iron, tris(dimethylcarbamodithioato-S,S’)-, (OC-6-11)-, mixt. with [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a> ]zinc</td>
<td>Zineb 12122-67-7</td>
<td>66139-21-7</td>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a> ]- mixt. with aluminum tris(ethyl phosphonate) and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a> ]zinc</td>
<td>Maneb 12427-38-2</td>
<td>66523-56-6</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a> ]- mixt. with aluminum tris(ethyl phosphonate) and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a> ]zinc</td>
<td>Zineb 12122-67-7</td>
<td>66523-56-6</td>
</tr>
<tr>
<td>Zinc, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a> ]- mixt. with 5,6-dihydro-3H-imidazo[2,1-c]-1,2,4-dithiazole-3-thione, (1α,2α,3β,4α,5α,6β)-1,2,3,4,5,6-hexachlorocyclohexane and sulfur</td>
<td>Zineb 12122-67-7</td>
<td>67051-88-1</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a> ]- mixt. with methyl [1-[(butylamino)carbonyl]-1H-benzimidazol-2-yl]carbamate and sulfur</td>
<td>Maneb 12427-38-2</td>
<td>67051-89-2</td>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a> ]- mixt. with [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a> ]zinc and N,N’-1,4-piperazinediylbis[2,2,2-trichloroethylidene]bis[formamide]</td>
<td>Maneb 12427-38-2</td>
<td>67055-41-8</td>
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<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a> ]- mixt. with [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a> ]zinc and N,N’-1,4-piperazinediylbis[2,2,2-trichloroethylidene]bis[formamide]</td>
<td>Zineb 12122-67-7</td>
<td>67055-41-8</td>
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<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a> ]- mixt. with O,O-diethyl (1,3-dihydro-1,3-dioxo-2H-isindol-2-yl)phosphonothioate, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a> ]zinc and methyl [1-[(butylamino)carbonyl]-1H-benzimidazol-2-yl]carbamate</td>
<td>Maneb 12427-38-2</td>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a> ]- mixt. with O,O-diethyl (1,3-dihydro-1,3-dioxo-2H-isindol-2-yl)phosphonothioate, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a> ]zinc and methyl [1-[(butylamino)carbonyl]-1H-benzimidazol-2-yl]carbamate</td>
<td>Zineb 12122-67-7</td>
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<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a> ]- mixt. with O,O-diethyl (1,3-dihydro-1,3-dioxo-2H-isindol-2-yl)phosphonothioate and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a> ]zinc</td>
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<td>67055-44-1</td>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a> ]- mixt. with O,O-diethyl (1,3-dihydro-1,3-dioxo-2H-isindol-2-yl)phosphonothioate and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a> ]zinc</td>
<td>Zineb 12122-67-7</td>
<td>67055-44-1</td>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a> ]- mixt. with methyl 1H-benzimidazol-2-ylcarbamate and sulfur</td>
<td>Maneb 12427-38-2</td>
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<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a> ]- mixt. with dimethyl [1,2-phenylenebis(iminocarboxanilidoyl)]bis[carbamate] and sulfur</td>
<td>Maneb 12427-38-2</td>
<td>67055-52-1</td>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a> ]- mixt. with hexachlorobenzene</td>
<td>Maneb 12427-38-2</td>
<td>67452-31-7</td>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a> ]- mixt. with 2,6-dimethyl-4-tridecylmorpholine and methyl 1H-benzimidazol-2-ylcarbamate</td>
<td>Maneb 12427-38-2</td>
<td>67689-92-3</td>
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</tbody>
</table>
### Table 2. CAS Number List of Mixtures that Contain the Individually Listed Chemicals Maneb, Metiram, Naham, and Zineb

<table>
<thead>
<tr>
<th>Mixture Name</th>
<th>Component</th>
<th>Mixture CAS Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with [[1,2-ethanediylbis(carbamodithioato)][2-]]zinc and 5-methyl-3(2H)-isoxazolone</td>
<td>Maneb 12427-38-2</td>
<td>67760-61-6</td>
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<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with [[1,2-ethanediylbis(carbamodithioato)][2-]]zinc and 5-methyl-3(2H)-isoxazolone</td>
<td>Zineb 12122-67-7</td>
<td>67760-61-6</td>
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<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with [[1,2-ethanediylbis(carbamodithioato)][2-]]zinc and 5-methyl-3(2H)-isoxazolone</td>
<td>Maneb 12427-38-2</td>
<td>67772-66-1</td>
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<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with [[1,2-ethanediylbis(carbamodithioato)][2-]]zinc and 5-methyl-3(2H)-isoxazolone</td>
<td>Zineb 12122-67-7</td>
<td>67772-66-1</td>
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<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with 2-mercaptobenzimidazol-1-yl[1H-benzimidazol-2-yl]carbamate and sulfur</td>
<td>Maneb 12427-38-2</td>
<td>67797-88-2</td>
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<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with 2-mercaptobenzimidazol-1-yl[1H-benzimidazol-2-yl]carbamate and sulfur</td>
<td>Zineb 12122-67-7</td>
<td>67797-88-2</td>
</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with 4-aminoacetamide, 2-aminoethanol, dimethyl[1,2-phenylenebis(iminocarbonothioyl)]bis(carbamate) and [[1,2-ethanediylbis(carbamodithioato)][2-]]zinc</td>
<td>Maneb 12427-38-2</td>
<td>67872-27-9</td>
</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with 4-aminoacetamide, 2-aminoethanol, dimethyl[1,2-phenylenebis(iminocarbonothioyl)]bis(carbamate) and [[1,2-ethanediylbis(carbamodithioato)][2-]]zinc</td>
<td>Zineb 12122-67-7</td>
<td>67872-27-9</td>
</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with 4-aminoacetamide, 2-aminoethanol, dimethyl[1,2-phenylenebis(iminocarbonothioyl)]bis(carbamate) and [[1,2-ethanediylbis(carbamodithioato)][2-]]zinc</td>
<td>Maneb 12427-38-2</td>
<td>68315-77-5</td>
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<td>Zinc, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with 2-cyano-N-[2-ethylamino]carbonyl-2-(methoxymino)acetamide</td>
<td>Maneb 12427-38-2</td>
<td>68327-13-9</td>
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<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with bis(1-methylethyl) 5-nitro-1,3-benzenedicarboxylate and metiram</td>
<td>Metiram 9006-42-2</td>
<td>69577-85-1</td>
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<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with bis(1-methylethyl) 5-nitro-1,3-benzenedicarboxylate and metiram</td>
<td>Maneb 12427-38-2</td>
<td>69577-85-1</td>
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<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with bis(1-methylethyl) 5-nitro-1,3-benzenedicarboxylate and metiram</td>
<td>Maneb 12427-38-2</td>
<td>69682-25-3</td>
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<tr>
<td>Zinc, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with 5,6-dihydro-2-methyl-N-phenyl-1,4-oxathiin-3-carboxamide</td>
<td>Maneb 12427-38-2</td>
<td>69778-31-0</td>
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<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with α-(2-chlorophenyl)-α-(4-chlorophenyl)-5-pyrimidinemethanol</td>
<td>Maneb 12427-38-2</td>
<td>70047-37-9</td>
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<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with 1-triazine</td>
<td>Maneb 12427-38-2</td>
<td>70221-37-3</td>
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<tr>
<td>Zinc, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with 5-[[2-0-butoxyethoxy]ethoxy][methyl]-6-propyl-1,3-benzodioxole, 2 (or 4)-isoonyl-4,6(or 2,6)-dinitrophenyl 2-butenoate and 2-methyl-4-oxo-3-2-propanyl-2-cyclopenten-1-yl]2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylate</td>
<td>Maneb 12427-38-2</td>
<td>70221-57-7</td>
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<tr>
<td>Zinc, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with 5-[[2-O-butoxyethoxy]ethoxy][methyl]-6-propyl-1,3-benzodioxole, 2 (or 4)-isoonyl-4,6(or 2,6)-dinitrophenyl 2-butenoate and 2-methyl-4-oxo-3-2-propanyl-2-cyclopenten-1-yl]2,2-dimethyl-3-(2-methyl-1-propenyl)cyclopropanecarboxylate</td>
<td>Zineb 12122-67-7</td>
<td>70840-33-4</td>
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<tr>
<td>Mixture Name</td>
<td>Component</td>
<td>Mixture CAS Number</td>
</tr>
<tr>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]- , mixt. with [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]- 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-butenoate</td>
<td>Zineb 12122-67-7</td>
<td>70840-33-4</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]- , mixt. with S-(1,3-dihydro-1,3-dioxo-2H-isoinold-2-y)methyl O,O-dimethyl phosphorodithioate and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]- zinc</td>
<td>Maneb 12427-38-2</td>
<td>70840-35-6</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]- , mixt. with S-(1,3-dihydro-1,3-dioxo-2H-isoinold-2-y)methyl O,O-dimethyl phosphorodithioate and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]- zinc</td>
<td>Maneb 12122-67-7</td>
<td>70840-35-6</td>
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<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]- , mixt. with S-(1,3-dihydro-1,3-dioxo-2H-isoinold-2-y)methyl O,O-dimethyl phosphorodithioate and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]- zinc</td>
<td>Maneb 12427-38-2</td>
<td>70840-36-7</td>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]- , mixt. with S-(1,3-dihydro-1,3-dioxo-2H-isoinold-2-y)methyl O,O-dimethyl phosphorodithioate and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]- zinc</td>
<td>Maneb 12122-67-7</td>
<td>70840-36-7</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]- , mixt. with S-(1,3-dihydro-1,3-dioxo-2H-isoinold-2-y)methyl O,O-dimethyl phosphorodithioate and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]- zinc</td>
<td>Maneb 12427-38-2</td>
<td>70840-39-0</td>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]- , mixt. with S-(1,3-dihydro-1,3-dioxo-2H-isoinold-2-y)methyl O,O-dimethyl phosphorodithioate and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]- zinc</td>
<td>Maneb 12122-67-7</td>
<td>70840-39-0</td>
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<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]- , mixt. with S-(1,3-dihydro-1,3-dioxo-2H-isoinold-2-y)methyl O,O-dimethyl phosphorodithioate and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]- zinc</td>
<td>Maneb 12427-38-2</td>
<td>70840-41-4</td>
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<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]- , mixt. with S-(1,3-dihydro-1,3-dioxo-2H-isoinold-2-y)methyl O,O-dimethyl phosphorodithioate and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]- zinc</td>
<td>Maneb 12122-67-7</td>
<td>70840-41-4</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]- , mixt. with S-(1,3-dihydro-1,3-dioxo-2H-isoinold-2-y)methyl O,O-dimethyl phosphorodithioate and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]- zinc</td>
<td>Maneb 12427-38-2</td>
<td>71062-01-6</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]- , mixt. with S-(1,3-dihydro-1,3-dioxo-2H-isoinold-2-y)methyl O,O-dimethyl phosphorodithioate and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]- zinc</td>
<td>Maneb 12122-67-7</td>
<td>71062-01-6</td>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]- , mixt. with S-(1,3-dihydro-1,3-dioxo-2H-isoinold-2-y)methyl O,O-dimethyl phosphorodithioate and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]- zinc</td>
<td>Maneb 12427-38-2</td>
<td>71129-16-3</td>
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<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]- , mixt. with S-(1,3-dihydro-1,3-dioxo-2H-isoinold-2-y)methyl O,O-dimethyl phosphorodithioate and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]- zinc</td>
<td>Maneb 12122-67-7</td>
<td>71129-16-3</td>
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<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]- , mixt. with S-(1,3-dihydro-1,3-dioxo-2H-isoinold-2-y)methyl O,O-dimethyl phosphorodithioate and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]- zinc</td>
<td>Maneb 12427-38-2</td>
<td>71173-92-7</td>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]- , mixt. with S-(1,3-dihydro-1,3-dioxo-2H-isoinold-2-y)methyl O,O-dimethyl phosphorodithioate and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]- zinc</td>
<td>Maneb 12427-38-2</td>
<td>71300-38-4</td>
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<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]- , mixt. with S-(1,3-dihydro-1,3-dioxo-2H-isoinold-2-y)methyl O,O-dimethyl phosphorodithioate and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]- zinc</td>
<td>Maneb 12427-38-2</td>
<td>71753-00-9</td>
</tr>
<tr>
<td>Mixture Name</td>
<td>Component</td>
<td>Mixture CAS Number</td>
</tr>
<tr>
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<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2]-], mixt. with diethyl [1,2-phenylenebis(iminocarbonothioyl)]bis[carbamate], [1,2-ethanediylbis(carbamodithioato)][2]-)zinc, 5-ethoxy-3-(trichloromethyl)-1,2,4-thiadiazole, pentachloronitrobenzene, 2,4,5,6-tetrachloro-1,3-benzene dicarbonitrile, and tetrathiomolybdenum peroxysulfuric acid</td>
<td>Zineb 12122-67-7</td>
<td>71753-00-9</td>
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<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2]-], mixt. with dimethyl [1,2-phenylenebis(iminocarbonothioyl)]bis[carbamate], ethyl 3-methyl-4-(methylthio)phenyl (1-methylethyl)phosphoramide and 2,4,5,6-tetrachloro-1,3-benzenedicarbonitrile</td>
<td>Maneb 12427-38-2</td>
<td>71753-01-0</td>
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<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2]-], mixt. with dimethyl [1,2-phenylenebis(iminocarbonothioyl)]bis[carbamate] and 2,4,5,6-tetrachloro-1,3-benzenedicarbonitrile</td>
<td>Maneb 12427-38-2</td>
<td>71753-02-1</td>
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<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2]-], mixt. with dimethyl [1,2-phenylenebis(iminocarbonothioyl)]bis[carbamate], [1,2-ethanediylbis(carbamodithioato)][2]-)zinc, 2,4,5,6-tetrachloro-1,3-benzenedicarbonitrile and tetrathiomolybdenum peroxysulfuric acid</td>
<td>Maneb 12427-38-2</td>
<td>71789-19-0</td>
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<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2]-], mixt. with diethyl [1,2-phenylenebis(iminocarbonothioyl)]bis[carbamate], [1,2-ethanediylbis(carbamodithioato)][2]-)zinc, 2,4,5,6-tetrachloro-1,3-benzenedicarbonitrile and tetrathiomolybdenum peroxysulfuric acid</td>
<td>Zineb 12122-67-7</td>
<td>71789-19-0</td>
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<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2]-], mixt. with [1,2-ethanediylbis(carbamodithioato)][2]-)zinc, methyl 1H-benzimidazol-2-ylcarbamate and sulfur</td>
<td>Maneb 12427-38-2</td>
<td>72852-36-9</td>
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<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2]-], mixt. with [1,2-ethanediylbis(carbamodithioato)][2]-)zinc, 1H-benzimidazol-2-ylcarbamate and sulfur</td>
<td>Maneb 12427-38-2</td>
<td>72852-36-9</td>
</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2]-], mixt. with copper chloride oxide hydrate, [[1,2-ethanediylbis(carbamodithioato)][2]-)zinc, sulfur and 2,4,5,6-tetrachloro-1,3-benzenedicarbonitrile</td>
<td>Maneb 12427-38-2</td>
<td>73347-96-3</td>
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<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2]-], mixt. with copper chloride oxide hydrate, [[1,2-ethanediylbis(carbamodithioato)][2]-)zinc, sulfur and 2,4,5,6-tetrachloro-1,3-benzenedicarbonitrile</td>
<td>Zineb 12122-67-7</td>
<td>73347-96-3</td>
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<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2]-], mixt. with (T-4)-bis(methyl)carbamodithioato-S,S’;zinc</td>
<td>Maneb 12427-38-2</td>
<td>73468-90-3</td>
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<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2]-], mixt. with (acetylxy)triphenylstannane and [1,2-ethanediylbis(carbamodithioato)][2]-)zinc</td>
<td>Maneb 12427-38-2</td>
<td>73810-10-3</td>
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<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2]-], mixt. with (acetylxy)triphenylstannane and [1,2-ethanediylbis(carbamodithioato)][2]-)zinc</td>
<td>Maneb 12427-67-7</td>
<td>73810-10-3</td>
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<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2]-], mixt. with [1,2-ethanediylbis(carbamodithioato)][2]-)zinc and 3a,4,7,7a-tetrahydro-2-{[1,1,2,2-tetrachloroethyl]thio}-1H-isoadole-1,3(2H)-dione</td>
<td>Maneb 12427-38-2</td>
<td>73924-56-8</td>
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<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2]-], mixt. with [1,2-ethanediylbis(carbamodithioato)][2]-)zinc and 3a,4,7,7a-tetrahydro-2-{[1,1,2,2-tetrachloroethyl]thio}-1H-isoadole-1,3(2H)-dione</td>
<td>Zineb 12122-67-7</td>
<td>73924-56-8</td>
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<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2]-], mixt. with α-(2-chlorophenyl)-α-(4-chlorophenyl)-5-pyrimidinemethanol and methyl 1H-benzimidazol-2-ylcarbamate</td>
<td>Maneb 12427-38-2</td>
<td>74522-90-0</td>
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<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2]-], mixt. with α-(2-chlorophenyl)-α-(4-fluorophenyl)-5-pyrimidinemethanol and methyl 1H-benzimidazol-2-ylcarbamate</td>
<td>Maneb 12427-38-2</td>
<td>75308-86-0</td>
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</table>
Table 2. CAS Number List of Mixtures that Contain the Individually Listed Chemicals Maneb, Metiram, Nabam, and Zineb

<table>
<thead>
<tr>
<th>Mixture Name</th>
<th>Component</th>
<th>Mixture CAS Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manganese, [(1,2-ethanediylbis[carbamodithioato])(2-)], mixt. with [μ-[carbonato(2-)-O:O']dihydroxydicopper, copper chloro oxide hydrate, copper(2+) sulfate (1:1), [(1,2-ethanediylbis[carbamodithioato])(2-)]zinc and iron(3+) (OC-6-11)-hexakis(cyano-C)ferartate(4-) (4:3)</td>
<td>Maneb 12427-38-2</td>
<td>75458-88-7</td>
</tr>
<tr>
<td>Manganese, [(1,2-ethanediylbis[carbamodithioato])(2-)], mixt. with [μ-[carbonato(2-)-O:O']dihydroxydicopper, copper chloro oxide hydrate, copper(2+) sulfate (1:1), [(1,2-ethanediylbis[carbamodithioato])(2-)]zinc and iron(3+) (OC-6-11)-hexakis(cyano-C)ferartate(4-) (4:3)</td>
<td>Zineb 1212-67-7</td>
<td>75458-88-7</td>
</tr>
<tr>
<td>Manganese, [(1,2-ethanediylbis[carbamodithioato])(2-)], mixt. with [μ-[carbonato(2-)-O:O']dihydroxydicopper, copper chloro oxide hydrate, copper(2+) sulfate (1:1) and [(1,2-ethanediylbis[carbamodithioato])(2-)]zinc</td>
<td>Maneb 12427-38-2</td>
<td>75498-12-3</td>
</tr>
<tr>
<td>Manganese, [(1,2-ethanediylbis[carbamodithioato])(2-)], mixt. with [μ-[carbonato(2-)-O:O']dihydroxydicopper, copper chloro oxide hydrate, copper(2+) sulfate (1:1) and [(1,2-ethanediylbis[carbamodithioato])(2-)]zinc</td>
<td>Zineb 1212-67-7</td>
<td>75498-12-3</td>
</tr>
<tr>
<td>Manganese, [(1,2-ethanediylbis[carbamodithioato])(2-)], mixt. with [(1,2-ethanediylbis[carbamodithioato])(2-)]zinc and hexakis(2-methyl-2-phenylpropyl)distannoxane</td>
<td>Maneb 12427-38-2</td>
<td>75517-91-8</td>
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<tr>
<td>Manganese, [(1,2-ethanediylbis[carbamodithioato])(2-)], mixt. with [(1,2-ethanediylbis[carbamodithioato])(2-)]zinc and hexakis(2-methyl-2-phenylpropyl)distannoxane</td>
<td>Maneb 12427-38-2</td>
<td>75517-91-8</td>
</tr>
<tr>
<td>DL-Alanine, N-(2,6-dimethylphenyl)-N-(methoxyacetyl)-, methylester, mixt. with [(1,2-ethanediylbis[carbamodithioato])(2-)]manganese and [(1,2-ethanediylbis[carbamodithioato])(2-)]zinc</td>
<td>Maneb 12427-38-2</td>
<td>75701-74-5</td>
</tr>
<tr>
<td>DL-Alanine, N-(2,6-dimethylphenyl)-N-(methoxyacetyl)-, methyl ester, mixt. with [(1,2-ethanediylbis[carbamodithioato])(2-)]manganese and [(1,2-ethanediylbis[carbamodithioato])(2-)]zinc</td>
<td>Maneb 12427-38-2</td>
<td>75701-74-5</td>
</tr>
<tr>
<td>Manganese, [(1,2-ethanediylbis[carbamodithioato])(2-)], mixt. with zinc</td>
<td>Maneb 12427-38-2</td>
<td>75789-54-7</td>
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<tr>
<td>Zinc, [(1,2-ethanediylbis[carbamodithioato])(2-)], mixt. with 3a,4,7,7a-tetrahydro-2-[(trichloromethyl)thio]-1H-isindole-1,3(2H)-dione</td>
<td>Maneb 1212-67-7</td>
<td>75848-18-9</td>
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<tr>
<td>Zinc, [(1,2-ethanediylbis[carbamodithioato])(2-)], mixt. with copper chloro oxide hydrate, sulfur and urea</td>
<td>Maneb 1212-67-7</td>
<td>75901-77-8</td>
</tr>
<tr>
<td>Zinc, [(1,2-ethanediylbis[carbamodithioato])(2-)], mixt. with sulfur and urea</td>
<td>Maneb 1212-67-7</td>
<td>75901-78-9</td>
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<tr>
<td>Manganese, [(1,2-ethanediylbis[carbamodithioato])(2-)], mixt. with 2-chloro-N-(2,6-dimethylphenyl)-N-(tetrahydro-2-oxo-3-furanyl)acetamide</td>
<td>Maneb 12427-38-2</td>
<td>76110-41-3</td>
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<td>Manganese, [(1,2-ethanediylbis[carbamodithioato])(2-)], mixt. with O,O-diethoxy O-2-quinoxalinylin phosphorothioato and [(1,2-ethanediylbis[carbamodithioato])(2-)]zinc</td>
<td>Maneb 12427-38-2</td>
<td>76522-24-2</td>
</tr>
<tr>
<td>Manganese, [(1,2-ethanediylbis[carbamodithioato])(2-)], mixt. with O,O-diethoxy O-2-quinoxalinylin phosphorothioato and [(1,2-ethanediylbis[carbamodithioato])(2-)]zinc</td>
<td>Maneb 12427-38-2</td>
<td>76522-24-2</td>
</tr>
<tr>
<td>Manganese, [(1,2-ethanediylbis[carbamodithioato])(2-)], mixt. with O,O-diethoxy O-(4-nitrophenyl)phosphorothioato and [(1,2-ethanediylbis[carbamodithioato])(2-)]zinc</td>
<td>Maneb 12427-38-2</td>
<td>76522-25-3</td>
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<td>Manganese, [(1,2-ethanediylbis[carbamodithioato])(2-)], mixt. with O,O-diethoxy O-(4-nitrophenyl)phosphorothioato and [(1,2-ethanediylbis[carbamodithioato])(2-)]zinc</td>
<td>Maneb 12427-38-2</td>
<td>76522-25-3</td>
</tr>
<tr>
<td>Manganese, [(1,2-ethanediylbis[carbamodithioato])(2-)], mixt. with O,O-diethoxy O-(6-chloro-2-oxo-3(2H)-benzoxazoloylmethyl) O,O-diethoxy phosphorothioato and [(1,2-ethanediylbis[carbamodithioato])(2-)]zinc</td>
<td>Maneb 12427-38-2</td>
<td>76564-28-8</td>
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<tr>
<td>Manganese, [(1,2-ethanediylbis[carbamodithioato])(2-)], mixt. with S-[6-chloro-2-oxo-3(2H)-benzoxazoloylmethyl] O,O-diethoxy phosphorothioato and [(1,2-ethanediylbis[carbamodithioato])(2-)]zinc</td>
<td>Maneb 12427-38-2</td>
<td>76564-28-8</td>
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<tr>
<td>Mixture Name</td>
<td>Component</td>
<td>Mixture CAS Number</td>
</tr>
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<tr>
<td>Manganese, [[1,2-ethanediylbis[carbamodithioato]]2(-)], mixt. with 3a,4,7,7a-tetrahydro-2-[(1,1,2,2-tetrachloroethyithio)-1H-isindole-1,3(2H)-dione]</td>
<td>Maneb 12427-38-2</td>
<td>77018-79-2</td>
</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis[carbamodithioato]]2(-)], mixt. with 5,10-dihydro-5,10-dioxonaphthol[2,3-b]-1,4-dithiin-2,3-dicarbonitrile</td>
<td>Maneb 12427-38-2</td>
<td>77018-86-1</td>
</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis[carbamodithioato]]2(-)], mixt. with O,O-diethyl O-(1-phenyl-1H-1,2,4-triazol-3-yl) phosphorothioate</td>
<td>Maneb 12427-38-2</td>
<td>77018-90-7</td>
</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis[carbamodithioato]]2(-)], mixt. with (acetyloxy)triphenylstannane and O,O-diethyl O-(1-phenyl-1H-1,2,4-triazol-3-yl) phosphorothioate</td>
<td>Maneb 12427-38-2</td>
<td>77045-76-2</td>
</tr>
<tr>
<td>Zinc, [[1,2-ethanediylbis[carbamodithioato]]2(-)], mixt. with copper chloride oxide hydrate and methyl [1-((butylamino)carbonyl)-IH-benzimidazol-2-yl] carbamate</td>
<td>Zineb 12122-67-7</td>
<td>78591-06-7</td>
</tr>
<tr>
<td>Zinc, [[1,2-ethanediylbis[carbamodithioato]]2(-)], mixt. with diethyl [1,2-phenylenebis(iminocarbonothioyl)]bis[carbamate]</td>
<td>Maneb 12427-38-2</td>
<td>80386-93-2</td>
</tr>
<tr>
<td>2,4-Oxazolidinedione, 3-(3,5-dichlorophenyl)-5-ethyl-5-methyl-, mixt. with Metiram</td>
<td>Zineb 9006-42-2</td>
<td>80456-52-6</td>
</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis[carbamodithioato]]2(-)], mixt. with 1-methylethyl (3-chlorophenyl) carbamate and 1-methylethyl phenylcarbamate</td>
<td>Maneb 12427-38-2</td>
<td>81024-59-1</td>
</tr>
<tr>
<td>Zinc, [[1,2-ethanediylbis[carbamodithioato]]2(-)], mixt. with zinc sulfate (1:1)</td>
<td>Zineb 12122-67-7</td>
<td>81313-82-8</td>
</tr>
<tr>
<td>Zinc, [[1,2-ethanediylbis[carbamodithioato]]2(-)], mixt. with sodium hydrogen carbonate</td>
<td>Zineb 12122-67-7</td>
<td>81313-85-1</td>
</tr>
<tr>
<td>Carboxic acid, 1-[(butylamino)carbonyl]-IH-benzimidazol-2-yl, methyl ester, mixt. with metiram and nonyl carbanuimidothioato monohydrochloride</td>
<td>Metiram 9006-42-2</td>
<td>81341-34-6</td>
</tr>
<tr>
<td>Carbaminidothioic acid, nonyl ester, monoalcoholchloride, mixt. with hexachlorobenzene and metiram</td>
<td>Metiram 9006-42-2</td>
<td>81341-33-5</td>
</tr>
<tr>
<td>Zinc, [[1,2-ethanediylbis[carbamodithioato]]2(-)], mixt. with copper chloride oxide hydrate and 2-cyano-N-(ethylamino)carbonyl-2-(methoxyimino)acetamide</td>
<td>Zineb 12122-67-7</td>
<td>82245-64-5</td>
</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis[carbamodithioato]]2(-)], mixt. with 2,4,5-trimethyl-N-phenyl-3-furancarboxamide</td>
<td>Maneb 12427-38-2</td>
<td>82602-16-2</td>
</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis[carbamodithioato]]2(-)], mixt. with [[1,2-ethanediylbis[carbamodithioato]]2(-)] zinc and 2,4,5-trimethyl-N-phenyl-3-furancarboxamide</td>
<td>Maneb 12427-38-2</td>
<td>82602-17-3</td>
</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis[carbamodithioato]]2(-)], mixt. with [[1,2-ethanediylbis[carbamodithioato]]2(-)] zinc and 2,4,5-trimethyl-N-phenyl-3-furancarboxamide</td>
<td>Zineb 12122-67-7</td>
<td>82602-17-3</td>
</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis[carbamodithioato]]2(-)], mixt. with α-(2-chlorophenyl)-α-(4-fluorophenyl)-5-pyrimidinemethanol and (1α,2α,3β,4α,5α,6β)-1,2,3,4,5,6-hexachlorocyclohexane</td>
<td>Zineb 12122-67-7</td>
<td>82615-97-2</td>
</tr>
<tr>
<td>Zinc, [[1,2-ethanediylbis[carbamodithioato]]2(-)], mixt. with sulfur and 3a,4,7,7a-tetrahydro-2-[(trichloromethyl)thio]-1H-isindole-1,3(2H)-dione</td>
<td>Zineb 12122-67-7</td>
<td>82709-33-9</td>
</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis[carbamodithioato]]2(-)], mixt. with copper(2+) sulfate (1:1) and [[1,2-ethanediylbis[carbamodithioato]]2(-)] zinc</td>
<td>Maneb 12427-38-2</td>
<td>82782-81-8</td>
</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis[carbamodithioato]]2(-)], mixt. with copper(2+) sulfate (1:1) and [[1,2-ethanediylbis[carbamodithioato]]2(-)] zinc</td>
<td>Zineb 12122-67-7</td>
<td>82782-81-8</td>
</tr>
<tr>
<td>Table 2. CAS Number List of Mixtures that Contain the Individually Listed Chemicals Maneb, Metiram, Nabam, and Zineb</td>
<td></td>
<td></td>
</tr>
<tr>
<td>----------------------------------------------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Mixture Name</strong></td>
<td><strong>Component</strong></td>
<td><strong>Mixture CAS Number</strong></td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>-, mixt. with copper(2+) sulfate (1:1)</td>
<td>Maneb 12427-38-2</td>
<td>82782-84-1</td>
</tr>
<tr>
<td>Carbamothioic acid, dimethyl-, sodium salt, mixt. with 1,2-ethanediylbis[carbamothioic acid] disodium salt</td>
<td>Nabam 142-59-6</td>
<td>82795-38-8</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>-, mixt. with methyl 1H-benzimidazol-2-ylcarbamate and tridemorph</td>
<td>Maneb 12427-38-2</td>
<td>83348-59-8</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>-, mixt. with N-(3-chlorophenyl)-N-(tetrahydro-2-oxo-3-furanoylcyclopropanecarboxamide and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Maneb 12427-38-2</td>
<td>83446-59-7</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>-, mixt. with N-(3-chlorophenyl)-N-(tetrahydro-2-oxo-3-furanoylcyclopropanecarboxamide and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Zineb 12122-67-7</td>
<td>83446-59-7</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>-, mixt. with pentachloronitrobenzene and 2-(4-thiazolyl)-1H-benzimidazole</td>
<td>Maneb 12427-38-2</td>
<td>83687-60-9</td>
</tr>
<tr>
<td>DL-Alanine, N-(2,6-dimethylphenyl)-N-(methoxyacetyl)-, methylster, mixt. with [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]manganese</td>
<td>Maneb 12427-38-2</td>
<td>84561-36-4</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>-, mixt. with [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc and N-propyl-N-[2-(2,4,6-trichlorophenoxy)ethyl]-1H-imidazole-1-carboxamide</td>
<td>Maneb 12427-38-2</td>
<td>84641-99-6</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>-, mixt. with [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc and N-propyl-N-[2-(2,4,6-trichlorophenoxy)ethyl]-1H-imidazole-1-carboxamide</td>
<td>Zineb 12122-67-7</td>
<td>84641-99-6</td>
</tr>
<tr>
<td>Zinc, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>-, mixt. with copper</td>
<td>Zineb 12122-67-7</td>
<td>84685-70-1</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>-, mixt. with methyl [1-[(butylamino) carbonyl]-1H-benzimidazol-2-yl]carbamate, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc and 1-naphthalenyl methylcarbamate</td>
<td>Maneb 12427-38-2</td>
<td>84780-43-8</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>-, mixt. with methyl [1-[(butylamino) carbonyl]-1H-benzimidazol-2-yl]carbamate, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc and 1-naphthalenyl methylcarbamate</td>
<td>Zineb 12122-67-7</td>
<td>84780-43-8</td>
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<tr>
<td>Zinc, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>-, mixt. with 3-(3,5-dichlorophenyl)-1,5-dimethyl-3-arabicyclo[3.1.0]hexane-2,4-dione</td>
<td>Zineb 12122-67-7</td>
<td>85004-42-8</td>
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<tr>
<td>Zinc, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>-, mixt. with 3-(3,5-dichlorophenyl)-N-(1-methyltetlyl)-2,4-dioxo-1-imidazolidinecarboxamide</td>
<td>Zineb 12122-67-7</td>
<td>85004-44-0</td>
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<tr>
<td>Zinc, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>-, mixt. with metiram</td>
<td>Metiram 9006-42-2</td>
<td>85109-81-5</td>
</tr>
<tr>
<td>Zinc, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>-, mixt. with metiram</td>
<td>Zineb 12122-67-7</td>
<td>85109-81-5</td>
</tr>
<tr>
<td>Zinc, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>-, mixt. with 2-bromo-6-methyl-4-(phenylmethyl)phenol</td>
<td>Zineb 12122-67-7</td>
<td>85341-69-1</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>-, mixt. with 2-chloro-6-methyl-4-[[4-(1-methylethyl)phenyl]methyl]phenol and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Maneb 12427-38-2</td>
<td>85341-71-5</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>-, mixt. with 2-chloro-6-methyl-4-[[4-(1-methylethyl)phenyl]methyl]phenol and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Zineb 12122-67-7</td>
<td>85341-71-5</td>
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<tr>
<td>Component</td>
<td>Mixture Name</td>
<td>Mixture CAS Number</td>
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<tr>
<td>Maneb 12427-38-2</td>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2-]]-</td>
<td>85341-73-7</td>
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<tr>
<td>Maneb 12427-38-2</td>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with 2-chloro-6-ethyl-4-(phenylmethyl)phenol</td>
<td>85389-69-1</td>
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<tr>
<td>Maneb 12427-38-2</td>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with 2,4,5-trimethyl-N-phenyl-3-furanecarboxamide and zinc</td>
<td>86102-39-8</td>
</tr>
<tr>
<td>Zineb 12122-67-7</td>
<td>DL-Alanine, N-(2,6-dimethylphenyl)-N-(methoxyacetyl)-, methyl ester, mixt. with [[1,2-ethanediylbis(carbamodithioato)][2-]]-zinc</td>
<td>86455-74-5</td>
</tr>
<tr>
<td>Maneb 12427-38-2</td>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with O-[2-(diethylamino)-6-methyl-4-pyrimidinyl] O,O-dimethyl phosphorothioate and [[1,2-ethanediylbis(carbamodithioato)][2-]]-zinc</td>
<td>87244-90-4</td>
</tr>
<tr>
<td>Zineb 12122-67-7</td>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with O-[2-(diethylamino)-6-methyl-4-pyrimidinyl] O,O-dimethyl phosphorothioate and [[1,2-ethanediylbis(carbamodithioato)][2-]]-zinc</td>
<td>87244-90-4</td>
</tr>
<tr>
<td>Maneb 12427-38-2</td>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with O-[2-(2,6-dimethylphenyl)-2-methoxy-N-(2-oxo-3-axazolidinyl)acetamide and [[1,2-ethanediylbis(carbamodithioato)][2-]]-zinc</td>
<td>88566-76-1</td>
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<td>Maneb 12427-38-2</td>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with N-[2,6-dimethylphenyl]-2-methoxy-N-(2-oxo-3-axazolidinyl)acetamide and [[1,2-ethanediylbis(carbamodithioato)][2-]]-zinc</td>
<td>88566-76-1</td>
</tr>
<tr>
<td>Maneb 12427-38-2</td>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with copper, N-(2,6-dimethylphenyl)-2-methoxy-N-(2-oxo-3-oxazolidinyl)acetamide and [[1,2-ethanediylbis(carbamodithioato)][2-]]-zinc</td>
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</tr>
<tr>
<td>Maneb 12427-38-2</td>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with copper, N-(2,6-dimethylphenyl)-2-methoxy-N-(2-oxo-3-oxazolidinyl)acetamide and [[1,2-ethanediylbis(carbamodithioato)][2-]]-zinc</td>
<td>88566-77-2</td>
</tr>
<tr>
<td>Maneb 12427-38-2</td>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with (E)-[2,4-dichlorophenyl)methylene]-α-(1,1-dimethyllethyl)-1H-1,2,4-triazole-1-ethanol</td>
<td>88823-06-7</td>
</tr>
<tr>
<td>Zineb 12122-67-7</td>
<td>Zinc, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with (E)-[2,4-dichlorophenyl)methylene]-α-(1,1-dimethyllethyl)-1H-1,2,4-triazole-1-ethanol</td>
<td>88823-07-8</td>
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<td>Maneb 12427-38-2</td>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with (E)-[2,4-dichlorophenyl)methylene]-α-(1,1-dimethyllethyl)-1H-1,2,4-triazole-1-ethanol and [[1,2-ethanediylbis(carbamodithioato)][2-]]-zinc</td>
<td>88823-08-9</td>
</tr>
<tr>
<td>Maneb 12427-38-2</td>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with (E)-[2,4-dichlorophenyl)methylene]-α-(1,1-dimethyllethyl)-1H-1,2,4-triazole-1-ethanol and [[1,2-ethanediylbis(carbamodithioato)][2-]]-zinc</td>
<td>88823-08-9</td>
</tr>
<tr>
<td>Maneb 12427-38-2</td>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with diethyl [[dimethyloxiphosnothioyl]thio]butanediolate and [[1,2-ethanediylbis(carbamodithioato)][2-]]-zinc</td>
<td>90760-40-0</td>
</tr>
<tr>
<td>Maneb 12427-38-2</td>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with diethyl [[dimethyloxiphosnothioyl]thio]butanediolate and [[1,2-ethanediylbis(carbamodithioato)][2-]]-zinc</td>
<td>90760-40-0</td>
</tr>
<tr>
<td>Maneb 12427-38-2</td>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with copper chloride oxide hydrate, [[1,2-ethanediylbis(carbamodithioato)][2-]]-zinc and methyl 1-[{(butylamino)carbonyl]-1H-benzimidazol-2-yl]carbamate</td>
<td>91997-64-7</td>
</tr>
<tr>
<td>Maneb 12427-38-2</td>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with copper chloride oxide hydrate, [[1,2-ethanediylbis(carbamodithioato)][2-]]-zinc and methyl 1-[{(butylamino)carbonyl]-1H-benzimidazol-2-yl]carbamate</td>
<td>91997-64-7</td>
</tr>
<tr>
<td>Maneb 12427-38-2</td>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][2-]], mixt. with [[1,2-ethanediylbis(carbamodithioato)][2-]]-zinc and 5-ethoxy-3-(trichloromethyl)-1,2,4-thiadiazole</td>
<td>92392-04-6</td>
</tr>
<tr>
<td>Table 2. CAS Number List of Mixtures that Contain the Individually Listed Chemicals Maneb, Metiram, Nabam, and Zineb</td>
<td></td>
<td></td>
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<tr>
<td>---------------------------------------------------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Mixture Name</strong></td>
<td><strong>Component</strong></td>
<td><strong>Mixture CAS Number</strong></td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc and 5-ethoxy-3-(trichloromethyl)-1,2,4-thiadiazole</td>
<td>Zineb</td>
<td>12122-67-7</td>
</tr>
<tr>
<td>Zinc, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with (Z)-2-chloro-1-(2,4,5-trichlorophenylethenyl) dimethyl phosphate and copper</td>
<td>Zineb</td>
<td>12122-67-7</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with sulfur and 2-(4-thiazolyl)-1H-benzimidazole</td>
<td>Manex</td>
<td>12427-38-2</td>
</tr>
<tr>
<td>DL-Alanine, N-(2,6-dimethylybenzyl)-N-(phenylacetyl)-, methyl ester, mixt. with [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]manganese and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Manex</td>
<td>12427-38-2</td>
</tr>
<tr>
<td>DL-Alanine, N-(2,6-dimethylybenzyl)-N-(phenylacetyl)-, methyl ester, mixt. with [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]manganese and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Zineb</td>
<td>12122-67-7</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with 5,6-dihydro-2-methyl-N-phenyl-1,4-oxathiin-3-carboxamide 4,4-dioxide and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Manex</td>
<td>12427-38-2</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with 5,6-dihydro-2-methyl-N-phenyl-1,4-oxathiin-3-carboxamide 4,4-dioxide and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Zineb</td>
<td>12122-67-7</td>
</tr>
<tr>
<td>Zinc, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with O-[2-(diethylamino)-6-methyl-4-pyrimidinyl] O,O-dimethyl phosphorothioate and methyl [1-(butylamino)carbonyl]-1H-benzimidazol-2-yl</td>
<td>Manex</td>
<td>12427-38-2</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with 5,10-dihydro-5,10-dioxonaphth[2,3-b]-1,4-dithiin-2,3-dicarbonitrile and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Manex</td>
<td>12427-38-2</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with 5,10-dihydro-5,10-dioxonaphth[2,3-b]-1,4-dithiin-2,3-dicarbonitrile and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Zineb</td>
<td>12122-67-7</td>
</tr>
<tr>
<td>Zinc, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with ammonium molybdenum oxide, boric acid (H,BO3) and dimethyl (2,2,2-trichloro-1-hydroxyethyl)phosphonate</td>
<td>Zineb</td>
<td>12122-67-7</td>
</tr>
<tr>
<td>Zinc, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with 2-chloro-6-methyl-4-(phenylmethyl)phenol</td>
<td>Zineb</td>
<td>12122-67-7</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with 1-(4-chlorophenoxy)-3,3-dimethyl-1-(1H,1,2,4-triazol-1-yl)-2-butane and methyl 1H-benzimidazol-2-yl</td>
<td>Manex</td>
<td>12427-38-2</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with 4-butyl-4H-1,2,4-triazole and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Manex</td>
<td>12427-38-2</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with 4-butyl-4H-1,2,4-triazole and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Zineb</td>
<td>12122-67-7</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with tridemorph</td>
<td>Manex</td>
<td>12427-38-2</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with sodium hydrogen carbonate</td>
<td>Manex</td>
<td>12427-38-2</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with magnesium carbonate (1:1)</td>
<td>Manex</td>
<td>12427-38-2</td>
</tr>
<tr>
<td>Zinc, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with dipotassium carbonate</td>
<td>Zineb</td>
<td>12122-67-7</td>
</tr>
<tr>
<td>Zinc, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with potassium hydrogen carbonate</td>
<td>Zineb</td>
<td>12122-67-7</td>
</tr>
<tr>
<td>Mixture Name</td>
<td>Component</td>
<td>Mixture CAS Number</td>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with potassium hydrogen carbonate</td>
<td>Maneb 12427-38-2, mixt. with Zineb 12427-38-2, mixt. with 99126-21-3, mixt. with</td>
<td>99150-74-0, mixt. with</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with</td>
<td>Maneb 12427-38-2, mixt. with Zineb 12427-38-2, mixt. with 99150-74-0, mixt. with</td>
<td>99150-74-0, mixt. with</td>
</tr>
<tr>
<td>[<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc and potassium hydrogen carbonate</td>
<td>99150-75-1, mixt. with 99150-75-1, mixt. with</td>
<td>99150-75-1, mixt. with</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with</td>
<td>Maneb 12427-38-2, mixt. with Zineb 12427-38-2, mixt. with 99375-94-7, mixt. with</td>
<td>99150-75-1, mixt. with</td>
</tr>
<tr>
<td>[<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>99375-94-7, mixt. with 99375-94-7, mixt. with</td>
<td>99375-94-7, mixt. with</td>
</tr>
<tr>
<td>D-Streptamine, O-2-deoxy-2-(methylamino)-α-L-glucopyranosyl-(1→2)-O-5-deoxy-</td>
<td>Maneb 12427-38-2, mixt. with Zineb 12427-38-2, mixt. with</td>
<td>99629-34-2, mixt. with</td>
</tr>
<tr>
<td>3-C-formyl-α-L-lyxofuranosyl-(1→4)-N,N-bis(aminoiminomethyl)-, mixt. with</td>
<td>99629-34-2, mixt. with 99629-34-2, mixt. with</td>
<td>99629-34-2, mixt. with</td>
</tr>
<tr>
<td>[4S-(4a,4a,5a,5a,6)]-12a-oxo-6-methyl-1,11-dioxo-2-naphthacenecarboxamide,</td>
<td>Maneb 12427-38-2, mixt. with Zineb 12427-38-2, mixt. with</td>
<td>99629-34-2, mixt. with</td>
</tr>
<tr>
<td>[<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]manganese and</td>
<td>99629-34-2, mixt. with 99629-34-2, mixt. with</td>
<td>99629-34-2, mixt. with</td>
</tr>
<tr>
<td>[<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>99629-34-2, mixt. with 99629-34-2, mixt. with</td>
<td>99629-34-2, mixt. with</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with</td>
<td>Maneb 12427-38-2, mixt. with Zineb 12427-38-2, mixt. with</td>
<td>100308-00-7, mixt. with</td>
</tr>
<tr>
<td>2-cyano-N-[(ethylamino)carbonyl]-2-(methoxyimino)acetamide, N-(2,6-dimethylphenyl)-2-methoxy-N-(2-oxo-3-oxazolidinyl)acetamide and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>100308-01-8, mixt. with 100308-01-8, mixt. with</td>
<td>100308-01-8, mixt. with</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with</td>
<td>Maneb 12427-38-2, mixt. with Zineb 12427-38-2, mixt. with</td>
<td>100308-01-8, mixt. with</td>
</tr>
<tr>
<td>[<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>100308-01-8, mixt. with 100308-01-8, mixt. with</td>
<td>100308-01-8, mixt. with</td>
</tr>
<tr>
<td>DL-Alanine, N-(2,6-dimethylphenyl)-N-(methoxyacetyl)-, methyl ester, mixt.</td>
<td>Maneb 12427-38-2, mixt. with Zineb 12427-38-2, mixt. with</td>
<td>100308-01-8, mixt. with</td>
</tr>
<tr>
<td>2-cyano-N-[(ethylamino)carbonyl]-2-(methoxyimino)acetamide, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]manganese and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>100308-01-8, mixt. with 100308-01-8, mixt. with</td>
<td>100308-01-8, mixt. with</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with</td>
<td>Maneb 12427-38-2, mixt. with Zineb 12427-38-2, mixt. with</td>
<td>100308-01-8, mixt. with</td>
</tr>
<tr>
<td>[<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>100308-01-8, mixt. with 100308-01-8, mixt. with</td>
<td>100308-01-8, mixt. with</td>
</tr>
<tr>
<td>Zinc, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with N-(2,6-dimethylphenyl)-2-methoxy-N-(2-oxo-3-oxazolidinyl)acetamide</td>
<td>Maneb 12427-38-2, mixt. with Zineb 12427-38-2, mixt. with</td>
<td>100308-01-8, mixt. with</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with</td>
<td>Maneb 12427-38-2, mixt. with Zineb 12427-38-2, mixt. with</td>
<td>100308-01-8, mixt. with</td>
</tr>
<tr>
<td>[<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>100308-01-8, mixt. with 100308-01-8, mixt. with</td>
<td>100308-01-8, mixt. with</td>
</tr>
<tr>
<td>Mixture Name</td>
<td>Component</td>
<td>Mixture CAS Number</td>
</tr>
<tr>
<td>------------------------------------------------------------------------------</td>
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<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)(2-)]-], mixt. with N-(2,6-dimethylphenyl)-2-methoxy-N-(2-oxo-3-oxazolidinyl)acetamide, [[1,2-ethanediylbis(carbamodithioato)(2-)]-]zinc and ethyl hydrogen phosphonate aluminum salt</td>
<td>Zineb 12122-67-7, 100308-08-5</td>
<td></td>
</tr>
<tr>
<td>Acetamide, 2-cyano-N-[ethylamino]carbonyl-2-(methoxyimino)-, mixt. with metiram</td>
<td>Metiram 9006-42-2, 100756-25-0</td>
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</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)(2-)]-], mixt. with [[1,2-ethanediylbis(carbamodithioato)(2-)]-]zinc and ethyl hydrogen phosphonate</td>
<td>Maneb 12427-38-2, 100756-24-9</td>
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</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)(2-)]-], mixt. with [[1,2-ethanediylbis(carbamodithioato)(2-)]-]zinc and ethyl hydrogen phosphonate</td>
<td>Maneb 12427-38-2, 100756-24-9</td>
<td></td>
</tr>
<tr>
<td>DL-Alanine, N-(2,6-dimethylphenyl)-N-(methoxyacetyl)-, methyl ester, mixt. with (T-4)-bis(dimethylcarbamodithioato-S,S')zinc, [[1,2-ethanediylbis(carbamodithioato)(2-)]-]manganese and [[1,2-ethanediylbis(carbamodithioato)(2-)]-]zinc</td>
<td>Maneb 12427-38-2, 101362-28-1</td>
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</tr>
<tr>
<td>DL-Alanine, N-(2,6-dimethylphenyl)-N-(methoxyacetyl)-, methyl ester, mixt. with (T-4)-bis(dimethylcarbamodithioato-S,S')zinc, [[1,2-ethanediylbis(carbamodithioato)(2-)]-]manganese and [[1,2-ethanediylbis(carbamodithioato)(2-)]-]zinc</td>
<td>Maneb 12427-38-2, 101362-28-1</td>
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</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)(2-)]-], mixt. with copper hydroxide (Cu(OH)$_2$)</td>
<td>Maneb 12427-38-2, 101755-14-0</td>
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<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)(2-)]-], mixt. with ammonium copper carbonate</td>
<td>Maneb 12427-38-2, 101755-15-1</td>
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<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)(2-)]-], mixt. with 3-(3,5-dichlorophenyl)-N-(1-methyl)ethyl-2,4-dioxo-1-imidazolidine carboxamide, 1-(8-hydroxy-5-quinolinyl)ethanone sulfate (2:1) (salt) and methyl [1-[(butylamino)carbonyl]-1H-benzimidazol-2-yl] carbamate</td>
<td>Maneb 12427-38-2, 102985-67-1</td>
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<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)(2-)]-], mixt. with colfugo and [[1,2-ethanediylbis(carbamodithioato)(2-)]-]zinc</td>
<td>Maneb 12427-38-2, 103183-02-4</td>
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<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)(2-)]-], mixt. with colfugo and [[1,2-ethanediylbis(carbamodithioato)(2-)]-]zinc</td>
<td>Maneb 12427-38-2, 103183-02-4</td>
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</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)(2-)]-], mixt. with copper chloride oxide sulfate and [[1,2-ethanediylbis(carbamodithioato)(2-)]-]zinc</td>
<td>Maneb 12427-38-2, 104193-70-6</td>
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<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)(2-)]-], mixt. with copper chloride oxide sulfate and [[1,2-ethanediylbis(carbamodithioato)(2-)]-]zinc</td>
<td>Maneb 12427-38-2, 104193-70-6</td>
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<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)(2-)]-], mixt. with citcop 4E and [[1,2-ethanediylbis(carbamodithioato)(2-)]-]zinc</td>
<td>Maneb 12427-38-2, 104193-72-8</td>
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<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)(2-)]-], mixt. with citcop 4E and [[1,2-ethanediylbis(carbamodithioato)(2-)]-]zinc</td>
<td>Maneb 12427-38-2, 104193-72-8</td>
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</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)(2-)]-], mixt. with copper hydroxide sulfate (Cu(OH)$_2$SO$_4$) and [[1,2-ethanediylbis(carbamodithioato)(2-)]-]zinc</td>
<td>Maneb 12427-38-2, 104193-73-9</td>
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<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)(2-)]-], mixt. with copper hydroxide sulfate (Cu(OH)$_2$SO$_4$) and [[1,2-ethanediylbis(carbamodithioato)(2-)]-]zinc</td>
<td>Maneb 12427-38-2, 104193-73-9</td>
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</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)(2-)]-], mixt. with ammonium copper carbonate and [[1,2-ethanediylbis(carbamodithioato)(2-)]-]zinc</td>
<td>Maneb 12427-38-2, 104193-74-0</td>
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<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)(2-)]-], mixt. with ammonium copper carbonate and [[1,2-ethanediylbis(carbamodithioato)(2-)]-]zinc</td>
<td>Maneb 12427-38-2, 104193-74-0</td>
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</tr>
<tr>
<td>Mixture Name</td>
<td>Component</td>
<td>Mixture CAS Number</td>
</tr>
<tr>
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</tr>
<tr>
<td>Manganese, [<a href="2">1,2-ethanediylbis(carbamodithioato)</a>-], mixt. with basic copper sulfate and [<a href="2">1,2-ethanediylbis(carbamodithioato)</a>-]zinc</td>
<td>Maneb 12427-38-2</td>
<td>104193-75-1</td>
</tr>
<tr>
<td>Manganese, [<a href="2">1,2-ethanediylbis(carbamodithioato)</a>-], mixt. with basic copper sulfate and [<a href="2">1,2-ethanediylbis(carbamodithioato)</a>-]zinc</td>
<td>Zineb 12122-67-7</td>
<td>104193-75-1</td>
</tr>
<tr>
<td>Manganese, [<a href="2">1,2-ethanediylbis(carbamodithioato)</a>-], mixt. with copper hydroxide (Cu(OH)₂) and 2,4,5,6-tetrachloro-1,3-benzenedicarbonitrile</td>
<td>Maneb 12427-38-2</td>
<td>104317-51-3</td>
</tr>
<tr>
<td>Zinc, [<a href="2">1,2-ethanediylbis(carbamodithioato)</a>-], mixt. with 1-[(2-(4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl)(methyl)-1H-1,2,4-triazole</td>
<td>Zineb 12122-67-7</td>
<td>104369-04-2</td>
</tr>
<tr>
<td>Zinc, [<a href="2">1,2-ethanediylbis(carbamodithioato)</a>-], mixt. with 1-(4-chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)-2-butane</td>
<td>Zineb 12122-67-7</td>
<td>104369-05-3</td>
</tr>
<tr>
<td>Manganese, [<a href="2">1,2-ethanediylbis(carbamodithioato)</a>-], mixt. with copper hydroxide and [<a href="2">1,2-ethanediylbis(carbamodithioato)</a>-]zinc</td>
<td>Maneb 12427-38-2</td>
<td>104570-90-3</td>
</tr>
<tr>
<td>Manganese, [<a href="2">1,2-ethanediylbis(carbamodithioato)</a>-], mixt. with copper hydroxide and [<a href="2">1,2-ethanediylbis(carbamodithioato)</a>-]zinc</td>
<td>Zineb 12122-67-7</td>
<td>104570-90-3</td>
</tr>
<tr>
<td>Manganese, [<a href="2">1,2-ethanediylbis(carbamodithioato)</a>-], mixt. with N-propyl-N-[2-(2,4,6-trichlorophenoxy)ethyl]-1H-imidazole-1-carboxamide</td>
<td>Maneb 12427-38-2</td>
<td>104585-72-0</td>
</tr>
<tr>
<td>Manganese, [<a href="2">1,2-ethanediylbis(carbamodithioato)</a>-], mixt. with β-[(1,1’-biphenyl)-4-oxo]-α-(1,1-dimethylthio)-1H-1,2,4-triazole-1-ethanol and [<a href="2">1,2-ethanediylbis(carbamodithioato)</a>-]zinc</td>
<td>Maneb 12427-38-2</td>
<td>104750-85-8</td>
</tr>
<tr>
<td>Manganese, [<a href="2">1,2-ethanediylbis(carbamodithioato)</a>-], mixt. with β-[(1,1’-biphenyl)-4-oxo]-α-(1,1-dimethylthio)-1H-1,2,4-triazole-1-ethanol and [<a href="2">1,2-ethanediylbis(carbamodithioato)</a>-]zinc</td>
<td>Zineb 12122-67-7</td>
<td>104750-85-8</td>
</tr>
<tr>
<td>Manganese, [<a href="2">1,2-ethanediylbis(carbamodithioato)</a>-], mixt. with 1-(4-chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)-2-butane and [<a href="2">1,2-ethanediylbis(carbamodithioato)</a>-]zinc</td>
<td>Maneb 12427-38-2</td>
<td>104813-24-3</td>
</tr>
<tr>
<td>Manganese, [<a href="2">1,2-ethanediylbis(carbamodithioato)</a>-], mixt. with 1-(4-chlorophenoxy)-3,3-dimethyl-1-(1H-1,2,4-triazol-1-yl)-2-butane and [<a href="2">1,2-ethanediylbis(carbamodithioato)</a>-]zinc</td>
<td>Zineb 12122-67-7</td>
<td>104813-24-3</td>
</tr>
<tr>
<td>Manganese, [<a href="2">1,2-ethanediylbis(carbamodithioato)</a>-], mixt. with [<a href="2">1,2-ethanediylbis(carbamodithioato)</a>-]zinc and N-[2,2,2-trichloro-1-(4-morpholinyl)ethy]formamide</td>
<td>Maneb 12427-38-2</td>
<td>105347-94-2</td>
</tr>
<tr>
<td>Manganese, [<a href="2">1,2-ethanediylbis(carbamodithioato)</a>-], mixt. with [<a href="2">1,2-ethanediylbis(carbamodithioato)</a>-]zinc and N-[2,2,2-trichloro-1-(4-morpholinyl)ethy]formamide</td>
<td>Zineb 12122-67-7</td>
<td>105347-94-2</td>
</tr>
<tr>
<td>Manganese, [<a href="2">1,2-ethanediylbis(carbamodithioato)</a>-], mixt. with 2,6-dichloro-4-nitrobenzenemine and 3a,4,7,7a-tetrahydro-2-[(trichloromethyl)thio]-1H-isindo1e-1,3(2H)-dione</td>
<td>Maneb 12427-38-2</td>
<td>106235-56-7</td>
</tr>
<tr>
<td>1H-Isindo1e-1,3(2H)-dione, 3a,4,7,7a-tetrahydro-2- [(trichloromethyl)thio], mixt. with Metiram and sulfur</td>
<td>Metiram 9006-42-2</td>
<td>106425-66-5</td>
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<tr>
<td>5-Pyrimidinemethanol, α-(2-chlorophenyl)-α-(4-chlorophenyl), mixt. with metiram</td>
<td>Metiram 9006-42-2</td>
<td>106425-67-6</td>
</tr>
<tr>
<td>Manganese, [<a href="2">1,2-ethanediylbis(carbamodithioato)</a>-], mixt. with α-(2-chlorophenyl)-α-(4-fluorophenyl)-5-pyrimidinemethanol and [<a href="2">1,2-ethanediylbis(carbamodithioato)</a>-]zinc</td>
<td>Maneb 12427-38-2</td>
<td>106425-65-4</td>
</tr>
<tr>
<td>Manganese, [<a href="2">1,2-ethanediylbis(carbamodithioato)</a>-], mixt. with α-(2-chlorophenyl)-α-(4-fluorophenyl)-5-pyrimidinemethanol and [<a href="2">1,2-ethanediylbis(carbamodithioato)</a>-]zinc</td>
<td>Zineb 12122-67-7</td>
<td>106425-65-4</td>
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<tr>
<td>Manganese, [<a href="2">1,2-ethanediylbis(carbamodithioato)</a>-], mixt. with 4-[3]-[4,1-dimethylthiophen]-2-methylpropyl]-2,6-dimethylmorpholine</td>
<td>Maneb 12427-38-2</td>
<td>106605-82-7</td>
</tr>
<tr>
<td>Mixture Name</td>
<td>Component</td>
<td>Mixture CAS Number</td>
</tr>
<tr>
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<tr>
<td>DL-Alanine, N-(2,6-dimethylphenyl)-N-(methoxyacetyl)-, methyl ester, mixt. with 3-(3,5-dichlorophenyl)-N-(1-methylpropyl)-2,4-dioxo-1-imidazolidinedicarboxamide and [(1,2-ethanediylbis<a href="2-">carbamodithioato</a>zinc</td>
<td>Zineb 12122-67-7</td>
<td>106745-78-2</td>
</tr>
<tr>
<td>Manganese, [(1,2-ethanediylbis<a href="2-">carbamodithioato</a>zinc, mixt. with α-butyl-α-(4-chlorophenyl)-1H-1,2,4-triazole-1-propanenitrile and [(1,2-ethanediylbis<a href="2-">carbamodithioato</a>zinc</td>
<td>Maneb 12427-38-2</td>
<td>107452-09-5</td>
</tr>
<tr>
<td>Manganese, [(1,2-ethanediylbis<a href="2-">carbamodithioato</a>zinc, mixt. with α-butyl-α-(4-chlorophenyl)-1H-1,2,4-triazole-1-propanenitrile and [(1,2-ethanediylbis<a href="2-">carbamodithioato</a>zinc</td>
<td>Zineb 12122-67-7</td>
<td>107452-09-5</td>
</tr>
<tr>
<td>Manganese, [(1,2-ethanediylbis<a href="2-">carbamodithioato</a>zinc, mixt. with 2-chloro-N-(2,6-dimethylphenyl)-N-(tetrahydro-2-oxo-3-furanyl)acetamide and [(1,2-ethanediylbis<a href="2-">carbamodithioato</a>zinc</td>
<td>Maneb 12427-38-2</td>
<td>108043-20-5</td>
</tr>
<tr>
<td>Manganese, [(1,2-ethanediylbis<a href="2-">carbamodithioato</a>zinc, mixt. with 2-chloro-N-(2,6-dimethylphenyl)-N-(tetrahydro-2-oxo-3-furanyl)acetamide and [(1,2-ethanediylbis<a href="2-">carbamodithioato</a>zinc</td>
<td>Zineb 12122-67-7</td>
<td>108043-20-5</td>
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<td>Zinc, [[(1,2-ethanediylbis<a href="2-">carbamodithioato</a>zinc, mixt. with poly(1,4-piperazinediyldicarboxanthyldithiocarboxanthyld) and tridemorph</td>
<td>Zineb 12122-67-7</td>
<td>108939-23-7</td>
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<td>Manganese, [(1,2-ethanediylbis<a href="2-">carbamodithioato</a>zinc, mixt. with 3-(3,5-dichlorophenyl)-5-ethenyl-5-methyl-2,4-oxazolidinedione and [(1,2-ethanediylbis<a href="2-">carbamodithioato</a>zinc</td>
<td>Maneb 12427-38-2</td>
<td>109118-59-4</td>
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<td>Manganese, [(1,2-ethanediylbis<a href="2-">carbamodithioato</a>zinc, mixt. with 3-(3,5-dichlorophenyl)-5-ethenyl-5-methyl-2,4-oxazolidinedione and [(1,2-ethanediylbis<a href="2-">carbamodithioato</a>zinc</td>
<td>Zineb 12122-67-7</td>
<td>109118-59-4</td>
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<td>Manganese, [(1,2-ethanediylbis<a href="2-">carbamodithioato</a>zinc, mixt. with 3-(3,5-dichlorophenyl)-N-(1-methylpropyl)-2,4-dioxo-1-imidazolidinedicarboxamide and [(1,2-ethanediylbis<a href="2-">carbamodithioato</a>zinc</td>
<td>Maneb 12427-38-2</td>
<td>109118-60-7</td>
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<td>Manganese, [(1,2-ethanediylbis<a href="2-">carbamodithioato</a>zinc, mixt. with 3-(3,5-dichlorophenyl)-N-(1-methylpropyl)-2,4-dioxo-1-imidazolidinedicarboxamide and [(1,2-ethanediylbis<a href="2-">carbamodithioato</a>zinc</td>
<td>Zineb 12122-67-7</td>
<td>109118-60-7</td>
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<td>Zinc, [[1,2-ethanediylbis<a href="2-">carbamodithioato</a>zinc, mixt. with copper chloride oxide hydrate and tetramethylthioperoxycarboxynitric diamide ([MeN(C(Si))_{2}S]</td>
<td>Zineb 12122-67-7</td>
<td>109265-97-6</td>
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<td>Manganese, [[1,2-ethanediylbis<a href="2-">carbamodithioato</a>zinc, mixt. with α-butyl-α-phenyl-1H-imidazol-1-propanenitrile and [(1,2-ethanediylbis<a href="2-">carbamodithioato</a>zinc</td>
<td>Maneb 12427-38-2</td>
<td>109578-97-4</td>
</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis<a href="2-">carbamodithioato</a>zinc, mixt. with α-butyl-α-phenyl-1H-imidazol-1-propanenitrile and [(1,2-ethanediylbis<a href="2-">carbamodithioato</a>zinc</td>
<td>Zineb 12122-67-7</td>
<td>109578-97-4</td>
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<tr>
<td>1,3-Benzene dicarboxylic acid, 5-nitro-, bis(1-methylpropyl) ester, mixt. with LAB 177369F and Metiram</td>
<td>Metiram 9006-42-2</td>
<td>109770-58-3</td>
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<td>Manganese, [[1,2-ethanediylbis<a href="2-">carbamodithioato</a>zinc, mixt. with 1-[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl][methyl]-1H-1,2,4-triazole and [(1,2-ethanediylbis<a href="2-">carbamodithioato</a>zinc</td>
<td>Maneb 12427-38-2</td>
<td>109885-98-5</td>
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<tr>
<td>Manganese, [[1,2-ethanediylbis<a href="2-">carbamodithioato</a>zinc, mixt. with 1-[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl][methyl]-1H-1,2,4-triazole and [(1,2-ethanediylbis<a href="2-">carbamodithioato</a>zinc</td>
<td>Zineb 12122-67-7</td>
<td>109885-98-5</td>
</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis<a href="2-">carbamodithioato</a>zinc, mixt. with 3-(3,5-dichlorophenyl)-5-ethenyl-5-methyl-2,4-oxazolidinedione, [(1,2-ethanediylbis<a href="2-">carbamodithioato</a>zinc and</td>
<td>Maneb 12427-38-2</td>
<td>110102-14-2</td>
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<tr>
<td>Mixture Name</td>
<td>Component</td>
<td>Mixture CAS Number</td>
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<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with 3-(3,5-dichlorophenyl)-5-ethynyl-5-methyl-2,4-oxazolidinedione, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc and 3a,4,7,7a-tetrahydro-2-[(trichloromethyl)thio]-1H-isoiidole-1,3(2H)-dione</td>
<td>Zineb 12122-67-7</td>
<td>110102-14-2</td>
</tr>
<tr>
<td>Carboxylic acid, [1-{[(butylamino)carbonyl]-1H-benzoimidazol-2-yl}], methyl ester, mixt. with Metiram and 3a,4,7,7a-tetrahydro-2-[(trichloromethyl)thio]-1H-isoiidole-1,3(2H)-dione</td>
<td>Metiram 9006-42-2</td>
<td>110413-77-9</td>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with S-[(4-chlorophenyl)methyl]diethylcarbamothioate and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Maneb 12427-38-2</td>
<td>110671-93-7</td>
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<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with S-[(4-chlorophenyl)methyl]diethylcarbamothioate and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Zineb 12122-67-7</td>
<td>110671-93-7</td>
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<tr>
<td>DL-Alanine, N-(2,6-dimethylphenyl)-N-(methoxyacetyl)-, methyl ester, mixt. with metiram</td>
<td>Metiram 9006-42-2</td>
<td>110741-03-2</td>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with (E)-dimethyl 1-methyl-3-(methylamino)-3-oxo-1-propenyl phosphate and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Maneb 12427-38-2</td>
<td>111073-42-8</td>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with (E)-dimethyl 1-methyl-3-(methylamino)-3-oxo-1-propenyl phosphate and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Zineb 12122-67-7</td>
<td>111073-42-8</td>
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<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc, O-[2-(ethylthio)ethyl] O,O-dimethylphosphorothioate and S-[[2-(ethylthio)ethyl] O,O-dimethylphosphorothioate</td>
<td>Maneb 12427-38-2</td>
<td>111073-43-9</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc, O-[2-(ethylthio)ethyl] O,O-dimethylphosphorothioate and S-[[2-(ethylthio)ethyl] O,O-dimethylphosphorothioate</td>
<td>Zineb 12122-67-7</td>
<td>111073-43-9</td>
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<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with O,O-dimethyl S-[[2-(methylamino)-2-oxoethyl] phosphorodithioate and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Maneb 12427-38-2</td>
<td>111073-44-0</td>
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<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with O,O-dimethyl S-[[2-(methylamino)-2-oxoethyl] phosphorodithioate and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Zineb 12122-67-7</td>
<td>111073-44-0</td>
</tr>
<tr>
<td>DL-Alanine, N-(2,6-dimethylphenyl)-N-(methoxyacetyl)-, methyl ester, mixt. with [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc, pentachloro nitrobenzene and 3a,4,7,7a-tetrahydro-2-{[(1,1,2,2-tetrachloroethyl)thio]-1H-isoiidole-1,3(2H)-dione</td>
<td>Maneb 12427-38-2</td>
<td>111520-44-6</td>
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<tr>
<td>DL-Alanine, N-(2,6-dimethylphenyl)-N-(methoxyacetyl)-, methyl ester, mixt. with [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc, pentachloro nitrobenzene and 3a,4,7,7a-tetrahydro-2-{[(1,1,2,2-tetrachloroethyl)thio]-1H-isoiidole-1,3(2H)-dione</td>
<td>Zineb 12122-67-7</td>
<td>111520-44-6</td>
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<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with 2-bromo-2-nitro-1,3-propanediol and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Maneb 12427-38-2</td>
<td>112617-49-9</td>
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<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with 2-bromo-2-nitro-1,3-propanediol and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Maneb 12122-67-7</td>
<td>112617-49-9</td>
</tr>
<tr>
<td>DL-Alanine, N-(2,6-dimethylphenyl)-N-(methoxyacetyl)-, methyl ester, mixt. with copper chloride oxide hydrate and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Maneb 12122-67-7</td>
<td>112628-03-2</td>
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<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with (1α,2α,3β,4α,5α,6β)-1,2,3,4,5,6-hexachlorocyclohexane</td>
<td>Maneb 12427-38-2</td>
<td>113387-15-8</td>
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<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with 3-chloro-N-[3-chloro-2,6-dinitro-4-(trifluoromethyl)phenyl]-5-(trifluoromethyl)-2-pyridinamine</td>
<td>Maneb 12427-38-2</td>
<td>113803-63-7</td>
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<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with 3-chloro-N-[3-chloro-2,6-dinitro-4-(trifluoromethyl)phenyl]-5-(trifluoromethyl)-2-pyridinamine and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Maneb 12427-38-2</td>
<td>114088-36-7</td>
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</table>
Table 2. CAS Number List of Mixtures that Contain the Individually Listed Chemicals Maneb, Metiram, Nabam, and Zineb

<table>
<thead>
<tr>
<th>Mixture Name</th>
<th>Component</th>
<th>Mixture CAS Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manganese, ([1,2\text{-ethanediylbis[carbamodithioato]}][2\text{-}j]), mixt. with 3-chloro-N-[3-chloro-2,6-dinitro-4-(trifluoromethyl)phenyl]-5-(trifluoromethyl)-2-pyridynamidine and ([1,2\text{-ethanediylbis[carbamodithioato]}][2\text{-}j])zinc</td>
<td>Maneb 12427-38-2</td>
<td>114758-72-4</td>
</tr>
<tr>
<td>Manganese, ([1,2\text{-ethanediylbis[carbamodithioato]}][2\text{-}j]), mixt. with ([1,2\text{-ethanediylbis[carbamodithioato]}][2\text{-}j])zinc and P 43 (fungicide)</td>
<td>Maneb 12427-38-2</td>
<td>114758-72-4</td>
</tr>
<tr>
<td>Zinc, ([1,2\text{-ethanediylbis[carbamodithioato]}][2\text{-}j]), mixt. with P 43</td>
<td>Zinc 12122-67-7</td>
<td>114758-73-5</td>
</tr>
<tr>
<td>DL-Alanine, N-(2,6-dimethylphenyl)-N-(methoxyacetyl)-, methylester, mixt. with ((\text{acetyloxy-triphenylstannane and}[1,2\text{-ethanediylbis[carbamodithioato]}][2\text{-}j]])manganese</td>
<td>Maneb 12427-38-2</td>
<td>114803-48-4</td>
</tr>
<tr>
<td>Manganese, ([1,2\text{-ethanediylbis[carbamodithioato]}][2\text{-}j]), mixt. with sodium ethyl phosphonate</td>
<td>Maneb 12427-38-2</td>
<td>115039-05-9</td>
</tr>
<tr>
<td>Manganese, ([1,2\text{-ethanediylbis[carbamodithioato]}][2\text{-}j]), mixt. with magnesium 1-methylethyl phosphonate</td>
<td>Maneb 12427-38-2</td>
<td>115039-10-6</td>
</tr>
<tr>
<td>Manganese, ([1,2\text{-ethanediylbis[carbamodithioato]}][2\text{-}j]), mixt. with calcium 1-methylethyl phosphonate</td>
<td>Maneb 12427-38-2</td>
<td>115039-13-9</td>
</tr>
<tr>
<td>Manganese, ([1,2\text{-ethanediylbis[carbamodithioato]}][2\text{-}j]), mixt. with aluminum 1-methylethyl phosphonate</td>
<td>Maneb 12427-38-2</td>
<td>115039-16-2</td>
</tr>
<tr>
<td>Manganese, ([1,2\text{-ethanediylbis[carbamodithioato]}][2\text{-}j]), mixt. with calcium ethyl phosphonate and ([1,2\text{-ethanediylbis[carbamodithioato]}][2\text{-}j])zinc</td>
<td>Maneb 12427-38-2</td>
<td>115039-25-3</td>
</tr>
<tr>
<td>Manganese, ([1,2\text{-ethanediylbis[carbamodithioato]}][2\text{-}j]), mixt. with calcium ethyl phosphonate and ([1,2\text{-ethanediylbis[carbamodithioato]}][2\text{-}j])zinc</td>
<td>Maneb 12122-67-7</td>
<td>115039-25-3</td>
</tr>
<tr>
<td>Manganese, ([1,2\text{-ethanediylbis[carbamodithioato]}][2\text{-}j]), mixt. with aluminum tris(ethyl phosphonate</td>
<td>Maneb 12427-38-2</td>
<td>115056-19-4</td>
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<tr>
<td>Glycine, N,N'-1,2\text{-ethanediylbis[N-(carboxymethyl)-], tetrasodium salt, mixt. with 1,2\text{-ethanediylbis[carbamodithioic acid disodium salt}</td>
<td>Nabam 142-59-6</td>
<td>115636-58-3</td>
</tr>
<tr>
<td>Manganese, ([1,2\text{-ethanediylbis[carbamodithioato]}][2\text{-}j]), mixt. with 4-[3-(3,4\text{-dimethoxyphenyl})-1-oxo-3-phenyl-2-propenyl]morpholine and ([1,2\text{-ethanediylbis[carbamodithioato]}][2\text{-}j])zinc</td>
<td>Maneb 12427-38-2</td>
<td>116876-43-8</td>
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<tr>
<td>Manganese, ([1,2\text{-ethanediylbis[carbamodithioato]}][2\text{-}j]), mixt. with 4-[3-(3,4\text{-dimethoxyphenyl})-1-oxo-3-phenyl-2-propenyl]morpholine and ([1,2\text{-ethanediylbis[carbamodithioato]}][2\text{-}j])zinc</td>
<td>Maneb 12122-67-7</td>
<td>116876-43-8</td>
</tr>
<tr>
<td>Manganese, ([1,2\text{-ethanediylbis[carbamodithioato]}][2\text{-}j]), mixt. with 4-[3,1'-biphenyl]-4-yl-3-(3,4\text{-dimethoxyphenyl})-1-oxo-2-propenyl]morpholine and ([1,2\text{-ethanediylbis[carbamodithioato]}][2\text{-}j])zinc</td>
<td>Maneb 12427-38-2</td>
<td>116876-44-9</td>
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<td>Manganese, ([1,2\text{-ethanediylbis[carbamodithioato]}][2\text{-}j]), mixt. with 4-[3,1'-biphenyl]-4-yl-3-(3,4\text{-dimethoxyphenyl})-1-oxo-2-propenyl]morpholine and ([1,2\text{-ethanediylbis[carbamodithioato]}][2\text{-}j])zinc</td>
<td>Maneb 12122-67-7</td>
<td>116876-44-9</td>
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<td>Zinc, ([1,2\text{-ethanediylbis[carbamodithioato]}][2\text{-}j]), mixt. with O,O-dimethyl O-(4-nitrophenyl) phosphorodithioate</td>
<td>Zinc 12122-67-7</td>
<td>117266-28-1</td>
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<td>Zinc, ([1,2\text{-ethanediylbis[carbamodithioato]}][2\text{-}j]), mixt. with niphimycin</td>
<td>Zinc 12122-67-7</td>
<td>117317-40-5</td>
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<tr>
<td>Zinc, ([1,2\text{-ethanediylbis[carbamodithioato]}][2\text{-}j]), mixt. with O,O-dimethyl S-[2-(methylamino)-2-oxoethyl] phosphorodithioate</td>
<td>Zinc 12122-67-7</td>
<td>117317-53-0</td>
</tr>
<tr>
<td>Mixture Name</td>
<td>Component</td>
<td>Mixture CAS Number</td>
</tr>
<tr>
<td>------------------------------------------------------------------------------</td>
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<tr>
<td>L-Alanine, N-(2,6-dimethylphenyl)-N-(methoxyacetil)-, methyl ester, mixt. with 1-(2-chloroethyil)-1,1-dimethylhydrazinium, copper chloride oxide hydrate and [[1,2-ethanediylibis[carbamodithioato][2-]]zine</td>
<td>Maneb 12427-38-2</td>
<td>117660-41-0</td>
</tr>
<tr>
<td>Manganese, [[1,2-ethanediylibis[carbamodithioato][2-]], mixt. with 1-[2-(2,4-dichlorophenyl)pentyl]-1H-1,2,4-triazole and [[1,2-ethanediylibis[carbamodithioato][2-]]zine</td>
<td>Maneb 12427-38-2</td>
<td>117660-41-0</td>
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<tr>
<td>Manganese, [[1,2-ethanediylibis[carbamodithioato][2-]], mixt. with 1-[2-(2,4-dichlorophenyl)pentyl]-1H-1,2,4-triazole and [[1,2-ethanediylibis[carbamodithioato][2-]]zine</td>
<td>Maneb 12427-38-2</td>
<td>117660-41-0</td>
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<td>Manganese, [[1,2-ethanediylibis[carbamodithioato][2-]], mixt. with 2-cyano-N(ethylaminocarbonyl)-2-(methoxyimino)acetamide and zinc sulfate (1:1)</td>
<td>Maneb 12427-38-2</td>
<td>119130-84-6</td>
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<td>DL-Alanine, N-(2,6-dimethylphenyl)-N-(methoxyacetil)-, methyl ester, mixt. with [[1,2-ethanediylibis[carbamodithioato][2-]]zine and tridemorph</td>
<td>Maneb 12427-38-2</td>
<td>119202-38-9</td>
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<td>DL-Alanine, N-(2,6-dimethylphenyl)-N-(methoxyacetil)-, methyl ester, mixt. with [[1,2-ethanediylibis[carbamodithioato][2-]]zine and tridemorph</td>
<td>Maneb 12427-38-2</td>
<td>119219-12-4</td>
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<td>Manganese, [[1,2-ethanediylibis[carbamodithioato][2-]], mixt. with N-(2,6-dimethylphenyl)-2-methoxy-N-(2-oxo-3-oxazolidinyl)acetamide, [[1,2-ethanediylibis[carbamodithioato][2-]]zine and tridemorph</td>
<td>Maneb 12427-38-2</td>
<td>11929-12-4</td>
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<td>Manganese, [[1,2-ethanediylibis[carbamodithioato][2-]], mixt. with N-(2,6-dimethylphenyl)-2-methoxy-N-(2-oxo-3-oxazolidinyl)acetamide, [[1,2-ethanediylibis[carbamodithioato][2-]]zine and tridemorph</td>
<td>Maneb 12427-38-2</td>
<td>11929-12-4</td>
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<td>DL-Alanine, N-(2,6-dimethylphenyl)-N-(5-isoxazolycarbonyl)-, methyl ester, mixt. with metiram and tridemorph</td>
<td>Metiram 9006-42-2</td>
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<td>Manganese, [[1,2-ethanediylibis[carbamodithioato][2-]], mixt. with (4-chlorophenyl)methyl N-(2,4-dichlorophenyl)-1H-1,2,4-triazole-1-ethanimidothioate</td>
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<td>119315-99-0</td>
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<td>Zinc, [[1,2-ethanediylibis[carbamodithioato][2-]], mixt. with (4-chlorophenyl)methyl N-(2,4-dichlorophenyl)-1H-1,2,4-triazole-1-ethanimidothioate</td>
<td>Maneb 12427-38-2</td>
<td>119316-00-6</td>
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<td>Manganese, [[1,2-ethanediylibis[carbamodithioato][2-]], mixt. with (3,4-dichlorophenyl)methyl N-(2,4-dichlorophenyl)-1H-1,2,4-triazole-1-ethanimidothioate</td>
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<td>Manganese, [[1,2-ethanediylibis[carbamodithioato][2-]], mixt. with (3,4-dichlorophenyl)methyl N-(2,4-dichlorophenyl)-1H-1,2,4-triazole-1-ethanimidothioate and [[1,2-ethanediylibis[carbamodithioato][2-]]zine</td>
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<td>Manganese, [[1,2-ethanediylibis[carbamodithioato][2-]], mixt. with (3,4-dichlorophenyl)methyl N-(2,4-dichlorophenyl)-1H-1,2,4-triazole-1-ethanimidothioate and [[1,2-ethanediylibis[carbamodithioato][2-]]zine</td>
<td>Maneb 12427-38-2</td>
<td>119316-05-1</td>
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<td>Manganese, [[1,2-ethanediylibis[carbamodithioato][2-]], mixt. with (2,4-dichlorophenyl)methyl N-(2,4-dichlorophenyl)-1H-1,2,4-triazole-1-ethanimidothioate</td>
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<td>119316-08-4</td>
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<td>Maneb 12427-38-2</td>
<td>119316-09-5</td>
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<td>Manganese, [[1,2-ethanediylibis[carbamodithioato][2-]], mixt. with (4-chlorophenyl)methyl N-(2-chloro-4-fluorophenyl)-1H-1,2,4-triazole-1-ethanimidothioate and [[1,2-ethanediylibis[carbamodithioato][2-]]zine</td>
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<td>Component</td>
<td>Mixture CAS Number</td>
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<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)[2-]]-mxt. with (4-chlorophenyl)methyl N-(2-chloro-4-fluorophenyl)-1H-1,2,4-triazole-1-ethanamidothioate</td>
<td>Maneb 12427-38-2</td>
<td>119316-12-0</td>
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<tr>
<td>Zinc, [[1,2-ethanediylbis(carbamodithioato)[2-]]-mxt. with (4-chlorophenyl)methyl N-(2-chloro-4-fluorophenyl)-1H-1,2,4-triazole-1-ethanamidothioate</td>
<td>Zineb 12122-67-7</td>
<td>119316-13-1</td>
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<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)[2-]]-mxt. with (4-chlorophenyl)methyl N-(2,4-dichlorophenyl)-1H-1,2,4-triazole-1-ethanamidothioate and [[1,2-ethanediylbis(carbamodithioato)[2-]]-zinc</td>
<td>Maneb 12427-38-2</td>
<td>119316-15-3</td>
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<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)[2-]]-mxt. with (4-chlorophenyl)methyl N-(2,4-dichlorophenyl)-1H-1,2,4-triazole-1-ethanamidothioate and [[1,2-ethanediylbis(carbamodithioato)[2-]]-zinc</td>
<td>Zineb 12122-67-7</td>
<td>119316-15-3</td>
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<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)[2-]]-mxt. with methyl 1-([(butylamino)carbonyl]-1H-benzimidazol-2-yl)carbamate and tetracorph</td>
<td>Maneb 12427-38-2</td>
<td>119399-59-6</td>
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<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)[2-]]-mxt. with 4-[3-(4-chlorophenyl)-3-(3,4-dimethoxyphenyl)-1-oxo-2-propenyl]morpholine and [[1,2-ethanediylbis(carbamodithioato)[2-]]-zinc</td>
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<td>119793-38-3</td>
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<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)[2-]]-mxt. with 4-[3-(4-chlorophenyl)-3-(3,4-dimethoxyphenyl)-1-oxo-2-propenyl]morpholine and [[1,2-ethanediylbis(carbamodithioato)[2-]]-zinc</td>
<td>Zineb 12122-67-7</td>
<td>119793-38-3</td>
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<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)[2-]]-mxt. with cyan(3-phenoxophenyl)methyl 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropane carboxylate and [[1,2-ethanediylbis(carbamodithioato)[2-]]-zinc</td>
<td>Maneb 12427-38-2</td>
<td>119884-25-2</td>
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<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)[2-]]-mxt. with cyan(3-phenoxophenyl)methyl 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropane carboxylate and [[1,2-ethanediylbis(carbamodithioato)[2-]]-zinc</td>
<td>Zineb 12122-67-7</td>
<td>119884-25-2</td>
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<td>Zinc, [[1,2-ethanediylbis(carbamodithioato)[2-]]-mxt. with 3a,4,7a-tetrahydro-2-(1,1,2,2-tetrachloroethyl)thio]-1H-isindole-1,3(2H)-dione</td>
<td>Zineb 12122-67-7</td>
<td>120502-25-2</td>
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<td>Zinc, [[1,2-ethanediylbis(carbamodithioato)[2-]]-mxt. with 4-chloro-α-(4-chlorophenyl)-α-(trichloromethyl)benzenemethanol and diethyl [(dimethoxyphosphinothioyl)thio]butanediol</td>
<td>Zineb 12122-67-7</td>
<td>120720-91-4</td>
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<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)[2-]]-mxt. with O,O-dimethyl S-[(4-oxy-1,2,3-benzotriazin-3(4H)-yl)methyl] phosphorodithioate, [[1,2-ethanediylbis(carbamodithioato)[2-]]-zinc and sulfur</td>
<td>Maneb 12427-38-2</td>
<td>120973-11-7</td>
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<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)[2-]]-mxt. with O,O-dimethyl S-[(4-oxy-1,2,3-benzotriazin-3(4H)-yl)methyl] phosphorodithioate, [[1,2-ethanediylbis(carbamodithioato)[2-]]-zinc and sulfur</td>
<td>Zineb 12122-67-7</td>
<td>120973-11-7</td>
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<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)[2-]]-mxt. with 1-(4-chlorophenoxo)-3,3-dimethyl-1-(1H,1,2,4-triazol-1-yl)-2-butanoine, [[1,2-ethanediylbis(carbamodithioato)[2-]]-zinc and 1-(tricyclohexylstannyl)-1H-1,2,4-triazole</td>
<td>Maneb 12427-38-2</td>
<td>120973-14-0</td>
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<td>Zineb 12122-67-7</td>
<td>120973-14-0</td>
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<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)[2-]]-mxt. with O,S-dimethyl acetylphosphoramidiothioate, [[1,2-ethanediylbis(carbamodithioato)[2-]]-zinc and sulfur</td>
<td>Maneb 12427-38-2</td>
<td>120973-15-1</td>
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<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)[2-]]-mxt. with O,S-dimethyl acetylphosphoramidiothioate, [[1,2-ethanediylbis(carbamodithioato)[2-]]-zinc and sulfur</td>
<td>Zineb 12122-67-7</td>
<td>120973-15-1</td>
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<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)[2-]]-mxt. with 4-chloro-N-(cyanoethoxymethyl)benzamide and [[1,2-ethanediylbis(carbamodithioato)[2-]]-zinc</td>
<td>Maneb 12427-38-2</td>
<td>122907-21-5</td>
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<tr>
<td>Mixture Name</td>
<td>Component</td>
<td>Mixture CAS Number</td>
</tr>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]-mixt. with -1H-methyl-2,5-dimethyl-3-furancarboxamide and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]zinc</td>
<td>Zineb 12122-67-7</td>
<td>122907-21-5</td>
</tr>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]-mixt. with copper chloride oxide hydrate, copper(2+) sulfate (1:1), 2,3-dichloro-1,4-naphthalenedione and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]zinc</td>
<td>Maneb 12427-38-2</td>
<td>123017-94-7</td>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]-mixt. with copper chloride oxide hydrate, copper(2+) sulfate (1:1), 2,3-dichloro-1,4-naphthalenedione and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]zinc</td>
<td>Zineb 12122-67-7</td>
<td>123017-94-7</td>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]-mixt. with N-cyclohexyl-N-methoxy-2,5-dimethyl-3-furancarboxamide and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]zinc</td>
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<td>Zinc, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]-mixt. with N-(1-cyano-3-methyl-2-butenyl)-1,3-dimethyl-1H-pyrazole-4-carboxamide</td>
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<td>Zinc, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]-mixt. with N-(cyano-2-thienylmethyl)-1-ethyl-3-methyl-1H-pyrazole-4-carboxamide</td>
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<td>Zinc, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]-mixt. with N-(1-cyanobutyl)-1,3-dimethyl-1H-pyrazole-5-carboxamide</td>
<td>Zineb 12122-67-7</td>
<td>123551-80-4</td>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]-mixt. with N-(1-cyano-3-methyl-2-butenyl)-1,3-dimethyl-1H-pyrazole-4-carboxamide and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]zinc</td>
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<td>123551-81-5</td>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]-mixt. with N-(1-cyano-3-methyl-2-butenyl)-1,3-dimethyl-1H-pyrazole-4-carboxamide and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]zinc</td>
<td>Zineb 12122-67-7</td>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]-mixt. with N-(cyano-2-thienylmethyl)-1,3-dimethyl-1H-pyrazole-4-carboxamide and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]zinc</td>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]-mixt. with N-(cyano-2-furanyl)methyl)-1,3-dimethyl-1H-pyrazole-4-carboxamide and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]zinc</td>
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<td>Zineb 12122-67-7</td>
<td>123551-84-8</td>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]-mixt. with N-(cyanophenylmethyl)-1,3-dimethyl-1H-pyrazole-5-carboxamide and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]zinc</td>
<td>Maneb 12427-38-2</td>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]-mixt. with N-(cyanophenylmethyl)-1,3-dimethyl-1H-pyrazole-5-carboxamide and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]zinc</td>
<td>Zineb 12122-67-7</td>
<td>123551-85-9</td>
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<tr>
<td>Zinc, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>]-mixt. with N-(1-cyano-3-methyl-2-butenyl)-1-ethyl-3-methyl-1H-pyrazole-4-carboxamide</td>
<td>Zineb 12122-67-7</td>
<td>123589-39-9</td>
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Table 2. CAS Number List of Mixtures that Contain the Individually Listed Chemicals Maneb, Metiram, Nabam, and Zineb

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<table>
<thead>
<tr>
<th>Mixture Name</th>
<th>Component</th>
<th>Mixture CAS Number</th>
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<tbody>
<tr>
<td>Zinc, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with N-(cyano-2-furanylmethyl)-1,3-dimethyl-1H-pyrazole-4-carboxamide</td>
<td>Zineb 12122-67-7</td>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with N-(1-cyano-3-methyl-2-butenyl)-1-methyl-3-(1-methylthethyl)-1H-pyrazole-4-carboxamide and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Maneb 12427-38-2</td>
<td>123589-65-1</td>
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<td>Maneb 12122-67-7</td>
<td>123589-65-1</td>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with N-(cyano-3-thienylmethyl)-1,3-dimethyl-1H-pyrazole-4-carboxamide and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Maneb 12122-67-7</td>
<td>123589-66-2</td>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with N-(cyano-3-thienylmethyl)-1,3-dimethyl-1H-pyrazole-4-carboxamide and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Maneb 12122-67-7</td>
<td>123589-66-2</td>
</tr>
<tr>
<td>Zinc, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with N-(1-cyano-3-methyl-2-butenyl)-3-methyl-1-phenyl-1H-pyrazole-4-carboxamide</td>
<td>Zineb 12122-67-7</td>
<td>123589-77-5</td>
</tr>
<tr>
<td>Zinc, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with N-(cyano-2-thienylmethyl)-3-methyl-1-(1-methylthethyl)-1H-pyrazole-4-carboxamide</td>
<td>Zineb 12122-67-7</td>
<td>123589-78-6</td>
</tr>
<tr>
<td>Zinc, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with N-(cyano-2-furanylmethyl)-3-methyl-1-(1-methylthethyl)-1H-pyrazole-4-carboxamide</td>
<td>Zineb 12122-67-7</td>
<td>123589-79-7</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with N-(cyano-3-furanylmethyl)-1,3-dimethyl-1H-pyrazole-4-carboxamide and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Maneb 12122-67-7</td>
<td>123589-80-0</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with N-(cyano-3-furanylmethyl)-1,3-dimethyl-1H-pyrazole-4-carboxamide and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Maneb 12122-67-7</td>
<td>123589-80-0</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with N-(cyano-2-furanylmethyl)-1,3-dimethyl-1H-pyrazole-5-carboxamide and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Maneb 12122-67-7</td>
<td>123589-81-1</td>
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<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with N-(cyano-2-furanylmethyl)-1,3-dimethyl-1H-pyrazole-5-carboxamide and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Maneb 12122-67-7</td>
<td>123589-81-1</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with N-(1-cyanobutylyl)-1,3-dimethyl-1H-pyrazole-5-carboxamide and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Maneb 12122-67-7</td>
<td>123589-82-2</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with N-(1-cyanobutylyl)-1,3-dimethyl-1H-pyrazole-5-carboxamide and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Maneb 12122-67-7</td>
<td>123589-82-2</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with N-(cyano-2-furanylmethyl)-2,4-dimethyl-5-thiazolecarboxamide and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Maneb 12122-67-7</td>
<td>123589-82-2</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with N-(cyano-2-furanylmethyl)-2,4-dimethyl-5-thiazolecarboxamide and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Maneb 12122-67-7</td>
<td>123589-82-2</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with N-(1-cyano-3-methyl-2-butenyl)-2,4-dimethyl-5-thiazolecarboxamide and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Maneb 12122-67-7</td>
<td>123589-82-2</td>
</tr>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with N-(1-cyano-3-methyl-2-butenyl)-2,4-dimethyl-5-thiazolecarboxamide and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Maneb 12122-67-7</td>
<td>123589-82-2</td>
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<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with N-(1-cyano-3-methyl-2-butenyl)-2,4-dimethyl-5-thiazolecarboxamide and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Maneb 12122-67-7</td>
<td>123589-82-2</td>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with N-(1-cyano-3-methyl-2-butenyl)-2,4-dimethyl-5-thiazolecarboxamide and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Maneb 12122-67-7</td>
<td>123589-82-2</td>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with N-(1-cyano-3-methyl-2-butenyl)-2,4-dimethyl-5-thiazolecarboxamide and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]zinc</td>
<td>Maneb 12122-67-7</td>
<td>123589-82-2</td>
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<tr>
<td>Mixture Name</td>
<td>Component</td>
<td>Mixture CAS Number</td>
</tr>
<tr>
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<td>-----------</td>
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<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>j-, mixt. with N-(cyano-3-thienylmethyl)-2,4-dimethyl-5-thiazolecarboxamide and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>j-zinc</td>
<td>Maneb 12427-38-2</td>
<td>123615-62-3</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>j-, mixt. with N-(cyano-3-thienylmethyl)-2,4-dimethyl-5-thiazolecarboxamide and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>j-zinc</td>
<td>Zineb 12122-67-7</td>
<td>123615-62-3</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>j-, mixt. with N-(cyano-3-thienylmethyl)-2,4-dimethyl-5-thiazolecarboxamide and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>j-zinc</td>
<td>Maneb 12427-38-2</td>
<td>123615-78-1</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>j-, mixt. with N-(cyano-3-thienylmethyl)-2,4-dimethyl-5-thiazolecarboxamide and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>j-zinc</td>
<td>Zineb 12122-67-7</td>
<td>123615-78-1</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>j-, mixt. with N-(cyano-3-thienylmethyl)-2,4-dimethyl-5-thiazolecarboxamide and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>j-zinc</td>
<td>Maneb 12427-38-2</td>
<td>123615-79-2</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>j-, mixt. with N-(cyano-3-thienylmethyl)-2,4-dimethyl-5-thiazolecarboxamide and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>j-zinc</td>
<td>Zineb 12122-67-7</td>
<td>123615-79-2</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>j-, mixt. with O,O-diethyl [2-(dipropylamino)-2-oxoethyl]ethylphosphoramidithioate and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>j-zinc</td>
<td>Maneb 12427-38-2</td>
<td>123616-02-4</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>j-, mixt. with O,O-diethyl [2-(dipropylamino)-2-oxoethyl]ethylphosphoramidithioate and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>j-zinc</td>
<td>Zineb 12122-67-7</td>
<td>123616-02-4</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>j-, mixt. with N-(cyano-2-furanylmethyl)-2,4-diethyl-5-thiazolecarboxamide and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>j-zinc</td>
<td>Maneb 12427-38-2</td>
<td>123633-91-0</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>j-, mixt. with N-(cyano-2-furanylmethyl)-2,4-diethyl-5-thiazolecarboxamide and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>j-zinc</td>
<td>Zineb 12122-67-7</td>
<td>123633-91-0</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>j-, mixt. with N-(cyano-3-methyl-2-butenyl)-4-ethyl-2-methyl-5-thiazolecarboxamide and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>j-zinc</td>
<td>Maneb 12427-38-2</td>
<td>123713-29-1</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>j-, mixt. with N-(cyano-3-methyl-2-butenyl)-4-ethyl-2-methyl-5-thiazolecarboxamide and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>j-zinc</td>
<td>Zineb 12122-67-7</td>
<td>123713-29-1</td>
</tr>
<tr>
<td>Zinc, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>j-, mixt. with propyl [3-(dimethylamino)propyl] carbamate, N-(2,6-dimethylphenyl)-2-methoxy-N-(2-oxo-3-oxazolidinyl)acetamide and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>j-zincmanganese]</td>
<td>Maneb 12427-38-2</td>
<td>123814-02-8</td>
</tr>
<tr>
<td>Zinc, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>j-, mixt. with propyl [3-(dimethylamino)propyl] carbamate, N-(2,6-dimethylphenyl)-2-methoxy-N-(2-oxo-3-oxazolidinyl)acetamide and [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>j-zincmanganese]</td>
<td>Zineb 12122-67-7</td>
<td>123814-02-8</td>
</tr>
<tr>
<td>Carbanic acid, [3-(dimethylamino)propyl]-, propyl ester, monohydrochloride, mixt. with metiram</td>
<td>Metiram 9006-42-2</td>
<td>125084-06-2</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>j-, mixt. with propyl [3-(dimethylamino)propyl]carbamate monohydrochloride</td>
<td>Maneb 12427-38-2</td>
<td>125084-04-0</td>
</tr>
<tr>
<td>Zinc, [<a href="2-">1,2-ethanediylbis[carbamodithioato]</a>j-, mixt. with propyl [3-(dimethylamino)propyl]carbamate</td>
<td>Zineb 12122-67-7</td>
<td>125084-07-3</td>
</tr>
<tr>
<td>Mixture Name</td>
<td>Component</td>
<td>Mixture CAS Number</td>
</tr>
<tr>
<td>-----------------------------------------------------------------------------</td>
<td>---------------------------------------------------------------------------</td>
<td>-------------------------</td>
</tr>
<tr>
<td>Zinc, [[1,2-ethanediylbis(carbamodithioato)][(2)-]], mixt. with α-(2-chlorophenyl)-α-(4-fluorophenyl)-5-pyrimidinemethanol and copper chloride oxide hydrate</td>
<td>Zineb 12122-67-7</td>
<td>126100-23-0</td>
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<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][(2)-]], mixt. with 1-(2,4-dichlorophenyl)-2-(3-pyridinyl)ethanone O-methyloxime and [[1,2-ethanediylbis(carbamodithioato)][(2)-]zinc</td>
<td>Maneb 12427-38-2</td>
<td>126187-18-6</td>
</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][(2)-]], mixt. with 1-(2,4-dichlorophenyl)-2-(3-pyridinyl)ethanone O-methyloxime and [[1,2-ethanediylbis(carbamodithioato)][(2)-]zinc</td>
<td>Zineb 12122-67-7</td>
<td>126187-18-6</td>
</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][(2)-]], mixt. with 4-chloro-2-cyano,N,N-dimethyl-5-propyl-1H-imidazole-1-sulfonamide and [[1,2-ethanediylbis(carbamodithioato)][(2)-]zinc</td>
<td>Maneb 12427-38-2</td>
<td>127123-53-9</td>
</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][(2)-]], mixt. with 4-chloro-2-cyano,N,N-dimethyl-5-propyl-1H-imidazole-1-sulfonamide and [[1,2-ethanediylbis(carbamodithioato)][(2)-]zinc</td>
<td>Zineb 12122-67-7</td>
<td>127123-53-9</td>
</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][(2)-]], mixt. with 4-chloro-2-cyano,N,N-dimethyl-5-phenyl-1H-imidazole-1-sulfonamide and [[1,2-ethanediylbis(carbamodithioato)][(2)-]zinc</td>
<td>Maneb 12427-38-2</td>
<td>127123-54-0</td>
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<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][(2)-]], mixt. with 4-chloro-2-cyano,N,N-dimethyl-5-phenyl-1H-imidazole-1-sulfonamide and [[1,2-ethanediylbis(carbamodithioato)][(2)-]zinc</td>
<td>Zineb 12122-67-7</td>
<td>127123-54-0</td>
</tr>
<tr>
<td>Zinc, [[1,2-ethanediylbis(carbamodithioato)][(2)-]], mixt. with tetramethylihiroxydicarbonic diamide ((Mc2N(C(S))2S2)</td>
<td>Zineb 12122-67-7</td>
<td>12766-48-2</td>
</tr>
<tr>
<td>DL-Alanine, N-(2,6-dimethylphenyl)-N-(methoxyacetyl)- methyl ester, mixt. with [[1,2-ethanediyl bis(carbamodithioato)][(2)-]manganese, [[1,2-ethanediyl bis(carbamodithioato)][(2)-]zinc and tetryahdro-1,2,4,7-dithiadiazocine-3,8-dithione</td>
<td>Maneb 12427-38-2</td>
<td>127715-17-7</td>
</tr>
<tr>
<td>DL-Alanine, N-(2,6-dimethylphenyl)-N-(methoxyacetyl)- methyl ester, mixt. with [[1,2-ethanediyl bis(carbamodithioato)][(2)-]manganese, [[1,2-ethanediyl bis(carbamodithioato)][(2)-]zinc and tetryahdro-1,2,4,7-dithiadiazocine-3,8-dithione</td>
<td>Zineb 12122-67-7</td>
<td>127715-17-7</td>
</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][(2)-]], mixt. with [[1,2-ethanediylbis(carbamodi thioato)][(2)-]zinc, ethyl hydrogen phosphonate aluminum salt and tetryahdro-1,2,4,7-dithiadiazocine-3,8-dithione</td>
<td>Maneb 12427-38-2</td>
<td>127774-61-2</td>
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<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][(2)-]], mixt. with [[1,2-ethanediylbis(carbamodi thioato)][(2)-]zinc, ethyl hydrogen phosphonate aluminum salt and tetryahdro-1,2,4,7-dithiadiazocine-3,8-dithione</td>
<td>Zineb 12122-67-7</td>
<td>127774-61-2</td>
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<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][(2)-]], mixt. with [[1,2-ethanediylbis(carbamodi thioato)][(2)-]zinc and propyl [3-(dimethylamino)propyl]carbamate</td>
<td>Maneb 12427-38-2</td>
<td>127812-34-4</td>
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<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][(2)-]], mixt. with [[1,2-ethanediylbis(carbamodi thioato)][(2)-]zinc and propyl [3-(dimethylamino)propyl]carbamate</td>
<td>Zineb 12122-67-7</td>
<td>127812-34-4</td>
</tr>
<tr>
<td>DL-Alanine, N-(2,6-dimethylphenyl)-N-(methoxyacetyl)- methyl ester, mixt. with copper chloride hydroxide (CuCl(OH)2), [[1,2-ethanediylbis(carbamodithioato)][(2)-]zinc and tetryahdro-1,2,4,7-dithiadiazocine-3,8-dithione</td>
<td>Zineb 12122-67-7</td>
<td>127963-76-2</td>
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<tr>
<td>Zinc, [[1,2-ethanediylbis(carbamodithioato)][(2)-]], mixt. with 8-quinolinol sulfate (2:1) (salt)</td>
<td>Zineb 12122-67-7</td>
<td>127964-14-1</td>
</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][(2)-]], mixt. with [[1,2-ethanediylbis(carbamodithioato)][(2)-]zinc and 8-quinolinol sulfate (2:1) (salt)</td>
<td>Maneb 12427-38-2</td>
<td>128061-10-9</td>
</tr>
<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][(2)-]], mixt. with [[1,2-ethanediylbis(carbamodithioato)][(2)-]zinc and 8-quinolinol sulfate (2:1) (salt)</td>
<td>Zineb 12122-67-7</td>
<td>128061-10-9</td>
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<tr>
<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)][(2)-]], mixt. with 2-(2-chloroethoxy)-1,3,2-oxathiaphospholane 2-sulfide and [[1,2-ethanediylbis(carbamodithioato)][(2)-]zinc</td>
<td>Maneb 12427-38-2</td>
<td>128374-58-3</td>
</tr>
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Table 2. CAS Number List of Mixtures that Contain the Individually Listed Chemicals Maneb, Metiram, Nabam, and Zineb
<table>
<thead>
<tr>
<th>Mixture Name</th>
<th>Component</th>
<th>Mixture CAS Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with 2-(2-chloroethoxy)-1,3,2-oxathiophospholane-2-sulfide and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-zinc</td>
<td>Zineb 12122-67-7</td>
<td>128374-58-3</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with 3-(3,5-dichlorophenyl)-5-ethenyl-5-methyl-2,4-oxazolidinedione, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-zinc and 2,4,5,6-tetrachloro-1,3-benzenedicarbonitrile</td>
<td>Maneb 12427-38-2</td>
<td>128451-19-4</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with 3-(3,5-dichlorophenyl)-5-ethenyl-5-methyl-2,4-oxazolidinedione, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-zinc and 2,4,5,6-tetrachloro-1,3-benzenedicarbonitrile</td>
<td>Maneb 12427-38-2</td>
<td>128451-20-7</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-zinc and 2,4,5,6-tetrachloro-1,3-benzenedicarbonitrile</td>
<td>Zineb 12122-67-7</td>
<td>128521-20-7</td>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-zinc and 2,4,5,6-tetrachloro-1,3-benzenedicarbonitrile</td>
<td>Maneb 12427-38-2</td>
<td>129249-23-6</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with 1-[[bis(4-fluorophenyl)methylsilyl]methyl]-1H-1,2,4-triazole and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-zinc</td>
<td>Maneb 12427-38-2</td>
<td>129249-23-6</td>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with 1-[[bis(4-fluorophenyl)methylsilyl]methyl]-1H-1,2,4-triazole and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-zinc</td>
<td>Zineb 12122-67-7</td>
<td>129249-24-7</td>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with (±)-α-butyl-α-((2,4-dichlorophenyl)-1H-1,2,4-triazole-1-ethanol and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-zinc</td>
<td>Maneb 12427-38-2</td>
<td>129249-24-7</td>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with (±)-α-butyl-α-((2,4-dichlorophenyl)-1H-1,2,4-triazole-1-ethanol and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-zinc</td>
<td>Zineb 12122-67-7</td>
<td>129249-26-9</td>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with α-(4-chlorophenyl)-α-(1-cyclopropylethyl)-1H-1,2,4-triazole-1-ethanol and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-zinc</td>
<td>Maneb 12427-38-2</td>
<td>129249-26-9</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with α-(4-chlorophenyl)-α-(1-cyclopropylethyl)-1H-1,2,4-triazole-1-ethanol and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-zinc</td>
<td>Zineb 12122-67-7</td>
<td>129588-62-1</td>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with CGA 453 and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-zinc</td>
<td>Maneb 12427-38-2</td>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with CGA 453 and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-zinc</td>
<td>Zineb 12122-67-7</td>
<td>129588-62-1</td>
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<td>Maneb 12427-38-2</td>
<td>130331-89-4</td>
</tr>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-zinc and N-[1-(2-furyl)]-2-(hydroxyamino)-2-iminoethyl-3-methyl-1-(1-methyl)-1H-pyrazole-5-carboxamide</td>
<td>Zineb 12122-67-7</td>
<td>130331-89-4</td>
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<td>130332-01-3</td>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-, mixt. with [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-zinc and N-[1-(2-furyl)]-2-(hydroxyamino)-2-iminoethyl-1,3-dimethyl-1H-pyrazole-5-carboxamide</td>
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<td>Mixture CAS Number</td>
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<td>Maneb 12427-38-2</td>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-zinc and 1-ethyl-N-[2-(hydroxy amino)-2-imino-1-(2-thienyl)ethyl]-3-methyl-1H-pyrazole-5-carboxamide</td>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-zinc and 1-ethyl-N-[2-(hydroxy amino)-2-imino-1-(2-thienyl)ethyl]-3-methyl-1H-pyrazole-5-carboxamide</td>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-zinc and 1-ethyl-N-[2-(hydroxy amino)-2-imino-1-(2-thienyl)ethyl]-3-methyl-1H-pyrazole-5-carboxamide</td>
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<td>Maneb 12427-38-2</td>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-zinc and 1-ethyl-N-[2-(hydroxy amino)-2-imino-1-(2-thienyl)ethyl]-1,3-dimethyl-1H-pyrazole-5-carboxamide</td>
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<td>Zineb 12122-67-7</td>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-zinc and 1-ethyl-N-[2-(hydroxy amino)-2-imino-1-(2-thienyl)ethyl]-1,3-dimethyl-1H-pyrazole-5-carboxamide</td>
<td>130394-35-3</td>
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<tr>
<td>Metiram 9006-42-2</td>
<td>Alatsid, mixt. with Metiram</td>
<td>131790-78-8</td>
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<tr>
<td>Metiram 9006-42-2</td>
<td>Cyclopropane carboxylic acid, 3-(2,2-dichloroethyl)-2,2-dimethyl-,(3-phenoxypyphenyl)methyl ester, mixt. with Metiram</td>
<td>133092-88-3</td>
</tr>
<tr>
<td>Metiram 9006-42-2</td>
<td>Phosphoric acid, dimethyl 1-methyl-3-(methylamino)-3-oxo-1-propenyl ester, (E)-, mixt. with Metiram</td>
<td>133092-89-4</td>
</tr>
<tr>
<td>Zineb 12122-67-7</td>
<td>Zinc, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-zinc and thiourea</td>
<td>135579-43-0</td>
</tr>
<tr>
<td>Maneb 12427-38-2</td>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-zinc and thiourea</td>
<td>135579-53-2</td>
</tr>
<tr>
<td>Zineb 12122-67-7</td>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-zinc and thiourea</td>
<td>135579-53-2</td>
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<tr>
<td>Zineb 12122-67-7</td>
<td>Zinc, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with thiourea</td>
<td>135579-54-3</td>
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<tr>
<td>Metiram 9006-42-2</td>
<td>Cyclopropane carboxylic acid, 3-(2,2-dibromoethyl)-2,2-dimethyl-cyano(3-phenoxypyphenyl)methyl ester, [1R-[1α(S*)],3α]-, mixt. with Metiram and sulfur</td>
<td>135695-29-3</td>
</tr>
<tr>
<td>Metiram 9006-42-2</td>
<td>Phosphorothioic acid, O,O-dimethyl O-(4-nitrophenyl) ester, mixt. with Metiram and sulfur</td>
<td>135695-30-6</td>
</tr>
<tr>
<td>Zineb 12122-67-7</td>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>]-zinc and thiourea</td>
<td>136298-13-0</td>
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<tr>
<td>Zineb 12122-67-7</td>
<td>Zinc, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with hydroxyamine hydrochloride</td>
<td>138729-30-3</td>
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<tr>
<td>Zineb 12122-67-7</td>
<td>Zinc, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with N2-di hydroxybenzamide</td>
<td>138729-34-7</td>
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<td>Maneb 12427-38-2</td>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>], mixt. with 5-[(4-chlorophenyl)methylene]-2,2-dimethyl-1-(1H-1,2,4-triazol-1-ylmethyl)cyclopentanol</td>
<td>139387-84-1</td>
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<tr>
<td>Component</td>
<td>Mixture Name</td>
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<tr>
<td>Zinc, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>_mixt. with 5-[(4-chlorophenyl)methylene]-2,2-dimethyly-1(1H,1,2,4-triazol-1-yl)methyl)cyclopentanol</td>
<td>Maneb 12427-38-2</td>
<td>Zineb 12122-67-7</td>
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</tbody>
</table>
Table 2. CAS Number List of Mixtures that Contain the Individually Listed Chemicals Maneb, Metiram, Nabam, and Zineb

<table>
<thead>
<tr>
<th>Mixture Name</th>
<th>Component</th>
<th>Mixture CAS Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>-], mixt. with copper chloride oxide hydrate, cyano(3-phenoxynaphtalene)methyl 4-chloro-α-[(1-methylthio)benzeneacetate and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>-]zinc</td>
<td>Maneb 12427-38-2</td>
<td>142169-89-9</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>-], mixt. with copper chloride oxide hydrate, cyano(3-phenoxynaphtalene)methyl 4-chloro-α-[(1-methylthio)benzeneacetate and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>-]zinc</td>
<td>Zineb 12122-67-7</td>
<td>142169-89-9</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>-], mixt. with dimethyl [1,2-phenylenediamine(2-iminocarbonothioyl)]bis[carbamate], [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>-]zinc and sulfur</td>
<td>Maneb 12427-38-2</td>
<td>142194-95-4</td>
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<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>-], mixt. with dimethyl [1,2-phenylenediamine(2-iminocarbonothioyl)]bis[carbamate], [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>-]zinc and sulfur</td>
<td>Zineb 12122-67-7</td>
<td>142194-95-4</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>-], mixt. with dimethyl [1,2-phenylenediamine(2-iminocarbonothioyl)]bis[carbamate], [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>-]zinc and sulfur</td>
<td>Maneb 12427-38-2</td>
<td>142212-29-1</td>
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<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>-], mixt. with dimethyl [1,2-phenylenediamine(2-iminocarbonothioyl)]bis[carbamate], [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>-]zinc and sulfur</td>
<td>Zineb 12122-67-7</td>
<td>142212-29-1</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>-], mixt. with dimethyl [1,2-phenylenediamine(2-iminocarbonothioyl)]bis[carbamate], [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>-]zinc and sulfur</td>
<td>Maneb 12427-38-2</td>
<td>142408-23-1</td>
</tr>
<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>-], mixt. with dimethyl [1,2-phenylenediamine(2-iminocarbonothioyl)]bis[carbamate], [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>-]zinc and sulfur</td>
<td>Zineb 12122-67-7</td>
<td>142408-23-1</td>
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<tr>
<td>Zinc, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>-], mixt. with 2-chloro-N-(ethoxymethyl)-N-(2-ethyl-6-methylphenyl)acetamide</td>
<td>Zineb 12122-67-7</td>
<td>143199-19-3</td>
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<tr>
<td>Zine, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>-], mixt. with S-ethyl dipropylcarbamothioate</td>
<td>Zineb 12122-67-7</td>
<td>143199-20-6</td>
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<td>Zine, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>-], mixt. with S-ethyl dipropylcarbamothioate</td>
<td>Maneb 12427-38-2</td>
<td>143199-21-7</td>
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<tr>
<td>Zine, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>-], mixt. with 2-chloro-N-(ethoxymethyl)-N-(2-ethyl-6-methylphenyl)acetamide and S-ethyl dipropylcarbamothioate</td>
<td>Maneb 12427-38-2</td>
<td>143313-06-8</td>
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<td>Zine, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>-], mixt. with 2-chloro-N-(ethoxymethyl)-N-(2-ethyl-6-methylphenyl)acetamide and [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>-]zinc</td>
<td>Zineb 12122-67-7</td>
<td>143313-06-8</td>
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<tr>
<td>Zine, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>-], mixt. with [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>-]zinc and S-ethyl dipropylcarbamothioate</td>
<td>Maneb 12427-38-2</td>
<td>143313-07-9</td>
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<tr>
<td>Zine, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>-], mixt. with [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>-]zinc and S-ethyl dipropylcarbamothioate</td>
<td>Zineb 12122-67-7</td>
<td>143313-07-9</td>
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<tr>
<td>Zinc, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>-], mixt. with 3-(isononyloxy)-1-propanamine methyl phosphate</td>
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<td>145332-14-5</td>
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<tr>
<td>Manganese, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>-], mixt. with 5,6-dihydro-2-methyl N-phenyl-1,4-oxathiin-3-carboxamide, [<a href="2-">1,2-ethanediylbis(carbamodithioato)</a>-]zinc and tetramethylthioperoxidicarbonic dimide ([[Me2N(CS)]2S2])</td>
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<td>145871-21-2</td>
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<td>Component</td>
<td>Mixture CAS Number</td>
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<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)(2.-)], mixt. with 5,6-dihydro-2-methyl-N-phenyl-1,4-oxathiin-3-carboxamide, [[1,2-ethanediylbis(carbamodithioato)(2.-)]zinc and tetramethylthioperoxydicarbonic diamide ([Me₂N(C(S))₂])</td>
<td>Zineb 12122-67-7</td>
<td>145871-21-2</td>
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<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)(2.-)], mixt. with 5,6-dihydro-2-methyl-N-phenyl-1,4-oxathiin-3-carboxamide, [[1,2-ethanediylbis(carbamodithioato)(2.-)]zinc and 5-methyl-3(2H)-isoxazolone</td>
<td>Maneb 12427-38-2</td>
<td>146522-58-9</td>
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<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)(2.-)], mixt. with 5,6-dihydro-2-methyl-N-phenyl-1,4-oxathiin-3-carboxamide, [[1,2-ethanediylbis(carbamodithioato)(2.-)]zinc and 5-methyl-3(2H)-isoxazolone</td>
<td>Maneb 12427-38-2</td>
<td>146522-58-9</td>
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<td>Zinc, [[1,2-ethanediylbis(carbamodithioato)(2.-)], mixt. with N-[6-chloro-3-pyridinyl]methyl-N'-cyano-N-methylcyclopropanecarboximidamide</td>
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<td>147390-38-3</td>
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<td>147630-55-5</td>
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<td>Zineb 12122-67-7</td>
<td>147630-55-5</td>
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<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)(2.-)], mixt. with 4,5-dichloro-2-octyl-3(2H)-isothiazolone</td>
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<td>147762-34-3</td>
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<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)(2.-)], mixt. with (T-4)-bis(dimethyl)carbamodithioato-S,S'-zinc and 4,5-dichloro-2-octyl-3(2H)-isothiazolone</td>
<td>Maneb 12427-38-2</td>
<td>147762-35-4</td>
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<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)(2.-)], mixt. with copper oxide (Cu₂O) and 2-octyl-3(2H)-isothiazolone</td>
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<td>147762-38-7</td>
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<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)(2.-)], mixt. with copper oxide (Cu₂O) and 4,5-dichloro-2-octyl-3(2H)-isothiazolone</td>
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<td>Zinc, [[1,2-ethanediylbis(carbamodithioato)(2.-)], mixt. with 2-bromo-2-nitro-1,3-propanediol</td>
<td>Zineb 12122-67-7</td>
<td>148073-08-9</td>
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<td>Manganese, [[1,2-ethanediylbis(carbamodithioato)(2.-)], mixt. with N-(cyano-2-thienyl)methyl)-2-(4-methoxy-2-methylphenyl)imidazo[1,2-a]pyridine-8-carboxamide and [1,2-ethanediylbis[carbamodithioato(2.-)]zinc</td>
<td>Maneb 12427-38-2</td>
<td>148802-75-9</td>
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<td>Manganese, [[1,2-ethanediylbis[carbamodithioato(2.-)]zinc, mixt. with N-(cyano-2-thienyl)methyl)-2-(4-methoxy-2-methylphenyl)imidazo[1,2-a]pyridine-8-carboxamide and [1,2-ethanediylbis[carbamodithioato(2.-)]zinc</td>
<td>Zineb 12122-67-7</td>
<td>148802-75-9</td>
</tr>
<tr>
<td>Mixture Name</td>
<td>Component</td>
<td>Mixture CAS Number</td>
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<tr>
<td>Manganese, ([\text{<a href="2%5Ctext%7B-%7Dj">1,2-ethanediylbis[carbamodithioato]}</a>])-, mixt. with 4-ethoxy-6-methyl-N-phenyl-2-pyrimidinamine</td>
<td>Maneb 12427-38-2</td>
<td>149264-27-7</td>
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<tr>
<td>Manganese, ([\text{<a href="2%5Ctext%7B-%7Dj">1,2-ethanediylbis[carbamodithioato]}</a>])-, mixt. with 4-ethyl-6-methyl-N-phenyl-2-pyrimidinamine</td>
<td>Maneb 12427-38-2</td>
<td>149264-28-8</td>
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<td>Zinc, ([\text{<a href="2%5Ctext%7B-%7Dj">1,2-ethanediylbis[carbamodithioato]}</a>])-, mixt. with 4-ethoxy-6-methyl-N-phenyl-2-pyrimidinamine</td>
<td>Zineb 12122-67-7</td>
<td>149264-30-2</td>
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<tr>
<td>Manganese, ([\text{<a href="2%5Ctext%7B-%7Dj">1,2-ethanediylbis[carbamodithioato]}</a>])-, mixt. with 4,6-dimethyl-N-phenyl-2-pyrimidinamine and ([\text{<a href="2%5Ctext%7B-%7Dj">1,2-ethanediylbis[carbamodithioato]}</a>])zinc</td>
<td>Maneb 12427-38-2</td>
<td>149264-32-4</td>
</tr>
<tr>
<td>Manganese, ([\text{<a href="2%5Ctext%7B-%7Dj">1,2-ethanediylbis[carbamodithioato]}</a>])-, mixt. with 4,6-dimethyl-N-phenyl-2-pyrimidinamine and ([\text{<a href="2%5Ctext%7B-%7Dj">1,2-ethanediylbis[carbamodithioato]}</a>])zinc</td>
<td>Zineb 12122-67-7</td>
<td>149264-32-4</td>
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<tr>
<td>Manganese, ([\text{<a href="2%5Ctext%7B-%7Dj">1,2-ethanediylbis[carbamodithioato]}</a>])-, mixt. with 3-(3,5-dichlorophenyl)-N-(1-methylethyl)-2,4-dioxo-1-imidazolidinecarbox-amide, ([\text{<a href="2%5Ctext%7B-%7Dj">1,2-ethanediylbis[carbamodithioato]}</a>])zinc and tetramethyliodoxydicarbonic diamide ((\text{Me2N}C(S))<em>{2}S</em>{2})</td>
<td>Maneb 12427-38-2</td>
<td>149294-96-2</td>
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<tr>
<td>Manganese, ([\text{<a href="2%5Ctext%7B-%7Dj">1,2-ethanediylbis[carbamodithioato]}</a>])-, mixt. with 3-(3,5-dichlorophenyl)-N-(1-methylethyl)-2,4-dioxo-1-imidazolidinecarboxamide, ([\text{<a href="2%5Ctext%7B-%7Dj">1,2-ethanediylbis[carbamodithioato]}</a>])zinc and tetramethyliodoxydicarbonic diamide ((\text{Me2N}C(S))<em>{2}S</em>{2})</td>
<td>Zineb 12122-67-7</td>
<td>149294-96-2</td>
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<td>Manganese, ([\text{<a href="2%5Ctext%7B-%7Dj">1,2-ethanediylbis[carbamodithioato]}</a>])-, mixt. with copper chloride hydroxide (\text{CuCl(OH)}_{2}) and ([\text{<a href="2%5Ctext%7B-%7Dj">1,2-ethanediylbis[carbamodithioato]}</a>])zinc</td>
<td>Maneb 12427-38-2</td>
<td>149855-18-5</td>
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<td>Manganese, ([\text{<a href="2%5Ctext%7B-%7Dj">1,2-ethanediylbis[carbamodithioato]}</a>])-, mixt. with copper chloride hydroxide (\text{CuCl(OH)}_{2}) and ([\text{<a href="2%5Ctext%7B-%7Dj">1,2-ethanediylbis[carbamodithioato]}</a>])zinc</td>
<td>Zineb 12122-67-7</td>
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<td>Manganese, ([\text{<a href="2%5Ctext%7B-%7Dj">1,2-ethanediylbis[carbamodithioato]}</a>])-, compd. with ([\text{<a href="2%5Ctext%7B-%7Dj">1,2-ethanediylbis[carbamodithioato]}</a>])zinc (1:1), mixt. with N-(2,6-dimethylphenyl)-2-methoxy-N-(2-oxo-3-oxazolidinyl) acetamide</td>
<td>Maneb 12427-38-2</td>
<td>149922-80-5</td>
</tr>
<tr>
<td>Manganese, ([\text{<a href="2%5Ctext%7B-%7Dj">1,2-ethanediylbis[carbamodithioato]}</a>])-, compd. with ([\text{<a href="2%5Ctext%7B-%7Dj">1,2-ethanediylbis[carbamodithioato]}</a>])zinc (1:1), mixt. with N-(2,6-dimethylphenyl)-2-methoxy-N-(2-oxo-3-oxazolidinyl)acetamide</td>
<td>Zineb 12122-67-7</td>
<td>149922-80-5</td>
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<tr>
<td>Manganese, ([\text{<a href="2%5Ctext%7B-%7Dj">1,2-ethanediylbis[carbamodithioato]}</a>])-, mixt. with copper chloride oxide hydrate, ([\text{<a href="2%5Ctext%7B-%7Dj">1,2-ethanediylbis[carbamodithioato]}</a>])zinc and 6-methyl-1,3-dithiol[4,5-b]quinoxalin-2-one</td>
<td>Maneb 12427-38-2</td>
<td>150389-82-9</td>
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<td>Manganese, ([\text{<a href="2%5Ctext%7B-%7Dj">1,2-ethanediylbis[carbamodithioato]}</a>])-, mixt. with copper chloride oxide hydrate, ([\text{<a href="2%5Ctext%7B-%7Dj">1,2-ethanediylbis[carbamodithioato]}</a>])zinc and 6-methyl-1,3-dithiol[4,5-b]quinoxalin-2-one</td>
<td>Zineb 12122-67-7</td>
<td>150389-82-9</td>
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