



## Inert Ingredients Eligible for FIFRA 25(b) Pesticide Products Last Updated July 10, 2008

Provided below are the inert ingredients that are eligible for inclusion in pesticide products under the [Federal Insecticide, Fungicide, and Rodenticide Act \(FIFRA\)](#)'s [Section 25\(b\)](#). These minimal risk inert ingredients are referred to as "4A" under [Pesticide Registration Notice 2000-6](#).

### Food-Use Listing

**NOTE:** Any inert ingredient described in [40 CFR 180.950](#) may be used in food-use 25(b) pesticide products.

The following inert ingredients are also eligible for inclusion in FIFRA Section 25(b) pesticide products applied to food use sites (e.g., food crops, animals used for food, etc.).

CAS Reg. No.	Chemical Name
N/A	Apple pomace
12174-11-7	Attapulgate-type clay
8012-89-3	Beeswax
1302-78-9	Bentonite
121-33-5	Benzaldehyde, 4-hydroxy-3-methoxy-
532-32-1	Benzoic acid, sodium salt
N/A	Calcareous shale
13397-26-7	Calcite (Ca(Co3))
471-34-1	Calcium carbonate
124-38-9	Carbon dioxide
298-14-6	Carbonic acid, monopotassium salt
8015-86-9	Carnauba wax
9000-07-1	Carrageenan
479-61-8	Chlorophyll a
519-62-0	Chlorophyll b
N/A	Citrus meal
68514-76-1	Citrus pulp

<b>CAS Reg. No.</b>	<b>Chemical Name</b>
8002-31-1	Cocoa
N/A	Cocoa shells
8001-69-2	Cod-liver oil
N/A	Corn cobs
26402-22-2	Decanoic acid, monoester with 1,2,3-propanetriol
142-18-7	Dodecanoic acid, 2, 3-dihydroxypropyl ester
27638-00-2	Dodecanoic acid, diester with 1, 2, 3-propanetriol
27215-38-9	Dodecanoic acid, monoester with 1, 2, 3-propanetriol
16389-88-1	Dolomite
N/A	Douglas fir bark
9000-70-8	Gelatins
56-81-5	Glycerin
1323-83-7	Glyceryl distearate
N/A	Granite
N/A	Grape pumice
9000-01-5	Gum arabic
9000-65-1	Gum tragacanth
13397-24-5	Gypsum (Ca(SO <sub>4</sub> ).2H <sub>2</sub> O)
57-10-3	Hexadecanoic acid
26657-95-4	Hexadecanoic acid, diester with 1, 2, 3-propanetriol
26657-96-5	Hexadecanoic acid, monoester with 1, 2, 3-propanetriol
68514-28-3	Humic acids, potassium salts
68131-04-4	Humic acids, sodium salt
8016-70-4	Hydrogenated soybean oil
110-27-0	Isopropyl myristate
1309-37-1	Iron oxide (Fe <sub>2</sub> O <sub>3</sub> )
1332-58-7	Kaolin
63-42-3	Lactose
143-07-7	Lauric acid
1309-48-4	Magnesium oxide
12207-97-5	Magnesium oxide silicate (Mg <sub>3</sub> O(Si <sub>2</sub> O <sub>5</sub> ) <sub>2</sub> ), monohydrate
1343-90-4	Magnesium silicate hydrate
7487-88-9	Magnesium sulfate
10034-99-8	Magnesium sulfate heptahydrate
12003-38-2	Mica
8012-95-1	Mineral Oil (U.S.P.)
1318-93-0	Montmorillonite
544-63-8	Myristic acid
57-11-4	Octadecanoic acid
123-95-5	Octadecanoic acid, butyl ester
11099-07-3	Octadecanoic acid, ester with 1,2,3-propanetriol
557-04-0	Octadecanoic acid, magnesium salt

<b>CAS Reg. No.</b>	<b>Chemical Name</b>
31566-31-1	Octadecanoic acid, monoester with 1,2,3-propanetriol
822-16-2	Octadecanoic acid, sodium salt
557-05-1	Octadecanoic acid, zinc salt
36354-80-0	Octanoic acid, diester with 1,2,3-propanetriol
26402-26-6	Octanoic acid, monoester with 1,2,3-propanetriol
112-80-1	Oleic acid
8002-75-3	Palm oil
9002-88-4	Polyethylene
7778-80-5	Potassium sulfate
7631-86-9	Silica (crystalline free)
13776-74-4	Silicic acid (H <sub>2</sub> SiO <sub>3</sub> ), magnesium salt (1:1)
1344-00-9	Silicic acid, aluminum sodium salt
1344-95-2	Silicic acid, calcium salt
144-55-8	Sodium bicarbonate
7757-82-6	Sodium sulfate
50-70-4	Sorbitol
589-68-4	Tetradecanoic acid, 2,3-dihydroxypropyl ester
53563-63-6	Tetradecanoic acid, diester with 1,2,3-propanetriol
27214-38-6	Tetradecanoic acid, monoester with 1,2,3-propanetriol
57-13-6	Urea
8028-52-2	Vinegar (maximum 8% acetic acid in solution)
8042-47-5	White mineral oil (petroleum)
1314-13-2	Zinc oxide (ZnO)

### **Non-Food Use Listing**

The following inert ingredients are eligible for inclusion in FIFRA 25(b) pesticide products applied to non-food use sites only (e.g., ornamental plants, highway right-of-ways, rodent control, etc.)

**NOTE: All inert ingredients found on the 25(b) Food-Use listing (above) and those described in 40 CFR 180.950 may also be used in non-food 25(b) pesticide products.**

<b>CAS Reg. No.</b>	<b>Chemical Name</b>
5743-26-0	Acetic acid, calcium salt, monohydrate
9002-18-0	Agar
N/A	Almond hulls
N/A	Almond shells
1327-36-2	Aluminate silicate

<b>CAS Reg. No.</b>	<b>Chemical Name</b>
1335-30-4	Aluminum silicate
137-66-6	Ascorbyl palmitate
85049-30-5	Bentonite, sodian
1863-63-4	Benzoic acid, ammonium salt
2090-05-3	Benzoic acid, calcium salt
582-25-2	Benzoic acid, potassium salt
68409-75-6	Bone meal
N/A	Bran
N/A	Bread crumbs
123-95-5	Butyl stearate
62-54-4	Calcium acetate
2090-05-3	Calcium benzoate
6107-56-8	Calcium octanoate
12168-85-3	Calcium oxide silicate (Ca3O(SiO4))
7778-18-9	Calcium sulfate
10101-41-4	Calcium sulfate dihydrate
10034-76-1	Calcium sulfate hemihydrate
N/A	Canary seed
7440-44-0	Carbon
546-93-0	Carbonic acid, magnesium salt (1:1)
N/A	Cardboard
9000-71-9	Caseins
N/A	Cat food
9000-11-7	Cellulose, carboxymethyl ether
N/A	Cheese
9000-69-5	Citrus pectin
N/A	Clam shells
N/A	Cocoa shell flour
N/A	Cookies
61789-98-8	Cork
N/A	Cotton
68424-10-2	Cottonseed meal
N/A	Cracked wheat
53998-07-1	Decanoic acid, diester with 1,2,3-propanetriol
7727-73-3	Disodium sulfate decahydrate
N/A	Egg Shells
N/A	Eggs
68476-25-5	Feldspar
N/A	Fish meal
8016-13-5	Fish oil (not conforming to 40 CFR 180.950)

<b>CAS Reg. No.</b>	<b>Chemical Name</b>
8031-18-3	Fuller's earth
68476-37-9	Glue (as depolymd. animal collagen)
7782-42-5	Graphite
1317-60-8	Hematite (Fe <sub>2</sub> O <sub>3</sub> )
68334-00-9	Hydrogenated cottonseed oil
84681-71-0	Hydrogenated rapeseed oil
12068-86-9	Iron magnesium oxide (Fe <sub>2</sub> MgO <sub>4</sub> )
12259-21-1	Iron oxide (Fe <sub>2</sub> O <sub>3</sub> ), hydrate
1317-61-9	Iron oxide (Fe <sub>3</sub> O <sub>4</sub> )
1345-25-1	Iron oxide (FeO)
61790-53-2	Kieselguhr (less than 1% crystalline silica) (Diatomaceous earth)
64044-51-5	Lactose, monohydrate
N/A	Latex
12001-27-3	Lime (chemical) dolomitic
1317-65-3	Limestone
8001-26-1	Linseed oil
553-70-8	Magnesium benzoate
1343-88-0	Magnesium silicate
14987-04-3	Magnesium silicon oxide (Mg <sub>2</sub> Si <sub>3</sub> O <sub>8</sub> )
6915-15-7	Malic acid
8002-48-0	Malt extract
N/A	Malt flavor
12001-26-2	Mica-group minerals
8049-98-7	Milk
N/A	Millet seed
37244-96-5	Nepheline syenite
7727-37-9	Nitrogen
N/A	Nutria meat
N/A	Nylon
1002-89-7	Octadecanoic acid, ammonium salt
1592-23-0	Octadecanoic acid, calcium salt
593-29-3	Octadecanoic acid, potassium salt
764-71-6	Octanoic acid, potassium salt
1984-06-1	Octanoic acid, sodium salt
12694-22-3	9-Octadecanoic acid, monoester with oxybis (propanediol)
25637-84-7	9-Octadecenoic acid (9Z)-, diester with 1,2,3-propanetriol
25496-72-4	9-Octadecenoic acid (9Z)-, monoester with 1,2,3-propanetriol
71012-10-7	9-Octadecenoic acid (9Z)-, monoester with tetraglycerol
143-18-0	9-Octadecenoic acid (9Z)-, potassium salt
111-03-5	9-Octadecenoic acid (Z)-, 2,3-dihydroxypropyl ester

<b>CAS Reg. No.</b>	<b>Chemical Name</b>
7492-30-0	9-Octadecenoic acid, 12-hydroxy-, monopotassium salt, (9Z, 12R)-
5323-95-5	9-Octadecenoic acid, 12-hydroxy-, monosodium salt, (9Z,12R)-
49553-76-6	9-Octadecenoic acid, ester with 1,2,3-propanetriol
8007-69-0	Oils, almond
68917-73-7	Oils, wheat
N/A	Oyster shells
68514-74-9	Palm oil, hydrogenated
8002-74-2	Paraffin wax
N/A	Peanut butter
N/A	Peanut shells
N/A	Peanuts
N/A	Peat moss
9000-69-5	Pectin
130885-09-5	Perlite
93763-70-3	Perlite, expanded
26499-65-0	Plaster of paris
9007-48-1	Polyglyceryl oleate
9009-32-9	Polyglyceryl stearate
1327-44-2	Potassium aluminum silicate, anhydrous
1332-09-8	Pumice
N/A	Red cedar chips
N/A	Red dog flour
9006-04-6	Rubber
N/A	Sawdust
N/A	Shale
12003-51-9	Silicic acid (H <sub>4</sub> SiO <sub>4</sub> ), aluminum sodium salt (1:1:1)
1327-43-1	Silicic acid, aluminum magnesium salt
12736-96-8	Silicic acid, aluminum potassium sodium salt
308076-02-0	Soapstone
127-09-3	Sodium acetate
143-19-1	Sodium oleate
24634-61-5	Sorbic acid, potassium salt
N/A	Soy protein
N/A	Soybean hulls
68308-36-1	Soybean meal
68513-95-1	Soybean, flour
7704-34-9	Sulfur
7646-93-7	Sulfuric acid, monopotassium salt
13429-27-1	Tetradecanoic acid, potassium salt
1318-00-9	Vermiculite

<b>CAS Reg. No.</b>	<b>Chemical Name</b>
50-81-7	Vitamin C
1406-18-4	Vitamin E
N/A	Walnut flour
N/A	Walnut shells
N/A	Wheat
N/A	Wheat flour
8006-95-9	Wheat germ oil
92129-90-3	Whey
68917-75-9	Wintergreen oil
13983-17-0	Wollastonite (Ca(SiO <sub>3</sub> ))
N/A	Wool
68876-77-7	Yeast
1318-02-1	Zeolites [excluding erionite (CAS Reg. No. 66733-21-9)]
68989-22-0	Zeolites, NaA
12063-19-3	Zinc iron oxide