

U.S. Environmental Protection Agency
Office of Pesticide Programs
List of Inert Pesticide Ingredients
List 4A - Minimal Risk Inert Ingredients - By CAS Number
Updated August 2004

Inert Ingredients Ordered by CAS Number - List 4A Updated August 2004

CAS	PREFIX NAME	
50-70-4	Sorbitol	4A
50-81-7	L- Ascorbic acid	4A
50-99-7	Dextrose	4A
56-81-5	Glycerol (glycerin) 1,2,3 propanetriol	4A
57-10-3	Hexadecanoic acid	4A
57-11-4	Stearic acid	4A
57-13-6	Urea	4A
57-50-1	Sugar	4A
62-54-4	Acetic acid, calcium salt	4A
	D-	
63-42-3	(+)- Lactose	4A
68-04-2	Citric acid, trisodium salt	4A
77-92-9	Citric acid	4A
97-64-3	Lactic acid, ethyl ester	4A
110-17-8	Fumaric acid	4A
110-27-0	Isopropyl myristate	4A
111-03-5	9- Octadecenoic acid (Z)-, 2,3-dihydroxypropyl ester (9CI)	4A
112-80-1	Oleic acid	4A
121-33-5	Vanillin	4A
123-95-5	Butyl stearate	4A
124-38-9	Carbon dioxide	4A
127-08-2	Acetic acid, potassium salt	4A
127-09-3	Acetic acid, sodium salt	4A
137-66-6	Ascorbyl palmitate	4A
138-22-7	Lactic acid, n-butyl ester	4A
142-18-7	Dodecanoic acid, 2,3-dihydroxypropyl ester	4A
143-07-7	Dodecanoic acid	4A
143-18-0	9- Octadecenoic acid (9Z)-, potassium salt	4A
143-19-1	9- Octadecenoic acid (9Z)-, sodium salt	4A
144-33-2	Citric acid, disodium salt	4A
144-55-8	Carbonic acid, monosodium salt	4A
298-14-6	Carbonic acid, monopotassium salt	4A
471-34-1	Calcium carbonate	4A
532-32-1	Benzoic acid, sodium salt	4A
544-63-8	Tetradecanoic acid	4A
546-93-0	Carbonic acid, magnesium salt (1:1)	4A
553-70-8	Benzoic acid, magnesium salt	4A
557-04-0	Octadecanoic acid, magnesium salt	4A
557-05-1	Octadecanoic acid, zinc salt	4A
582-25-2	Benzoic acid, potassium salt	4A
589-68-4	Tetradecanoic acid, 2,3-dihydroxypropyl ester	4A
593-29-3	Octadecanoic acid, potassium salt	4A
764-71-6	Potassium octoate	4A
813-94-5	Citric acid, calcium salt (2:3)	4A
822-16-2	Octadecanoic acid, sodium salt	4A
866-83-1	Citric acid, monopotassium salt	4A
866-84-2	Citric acid, tripotassium salt	4A
994-36-5	Citric acid, sodium salt	4A
1002-89-7	Octadecanoic acid, ammonium salt	4A
1302-78-9	Bentonite	4A

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1309-37-1	Iron oxide (Fe ₂ O ₃)	4A
1309-48-4	Magnesium oxide	4A
1314-13-2	Zinc oxide	4A
1317-60-8	Hematite (Fe ₂ O ₃)	4A
1317-61-9	Iron oxide (Fe ₃ O ₄)	4A
1317-65-3	Limestone	4A
1318-00-9	Vermiculite	4A
1318-02-1	Zeolites (excluding erionite (CAS Reg. No. 66733-21-9))	4A
1318-93-0	Montmorillonite	4A
1323-83-7	Octadecanoic acid, diester with 1,2,3-propanetriol (9CI)	4A
1327-36-2	Mullite	4A
1327-43-1	Aluminum magnesium silicate	4A
1327-44-2	Aluminum potassium silicate	4A
1332-09-8	Pumice	4A
1332-58-7	Kaolin	4A
1335-30-4	Silicic acid, aluminum salt	4A
1343-88-0	Silicic acid, magnesium salt	4A
1343-90-4	Magnesium silicate, hydrate	4A
1344-00-9	Silicic acid, aluminum sodium salt	4A
1344-95-2	Silicic acid, calcium salt	4A
1345-25-1	Iron oxide (FeO)	4A
1393-03-9	Soapbark (Quillaja saponin)	4A
1406-18-4	Vitamin E	4A
1592-23-0	Octadecanoic acid, calcium salt	4A
1863-63-4	Benzoic acid, ammonium salt	4A
1984-06-1	Octanoic acid, sodium salt	4A
2090-05-3	Benzoic acid, calcium salt	4A
3609-96-9	Citric acid, dipotassium salt	4A
5323-95-5	9- Octadecenoic acid, 12-hydroxy-, monosodium salt, (9Z, 12R)	4A
5743-26-0	Calcium acetate, monohydrate	4A
5949-29-1	Citric acid, monohydrate	4A
6100-05-6	Citric acid, tripotassium salt, monohydrate	4A
6107-56-8	Calcium octanoate	4A
6132-04-3	Citric acid, trisodium salt, dihydrate	4A
6858-44-2	Citric acid, trisodium salt, pentahydrate	4A
6915-15-7	Malic acid	4A
7440-44-0	Carbon	4A
7447-40-7	Potassium chloride	4A
7487-88-9	Sulfuric acid, magnesium salt (1:1)	4A
7492-30-0	9- Octadecenoic acid, 12-hydroxy-, monopotassium salt, (9Z,	4A
7631-86-9	Silicon dioxide (crystalline-free forms only)	4A
7646-93-7	Potassium bisulfate	4A
7647-14-5	Sodium chloride	4A
7693-13-2	Citric acid, calcium salt (2:3)	4A
7699-41-4	Silica, amorphous, precipitated and gel	4A
7704-34-9	Sulfur	4A
7727-37-9	Nitrogen	4A
7727-73-3	Sulfuric acid, disodium salt, decahydrate	4A
7732-18-5	Water	4A
7757-82-6	Sulfuric acid, disodium salt	4A
7778-18-9	Sulfuric acid, calcium salt (1:1)	4A

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7778-49-6	Citric acid, potassium salt	4A
7778-80-5	Sulfuric acid, dipotassium salt	4A
7782-42-5	Graphite	4A
8001-22-7	Soybean oil	4A
8001-23-8	Safflower oil	4A
8001-25-0	Olive oil	4A
8001-26-1	Linseed oil (unboiled)	4A
8001-29-4	Cottonseed oil	4A
8001-30-7	Corn oil	4A
8001-31-8	Coconut oil	4A
8001-78-3	Castor oil, hydrogenated	4A
8001-79-4	Castor oil	4A
8002-03-7	Peanut oil	4A
8002-24-2	Sperm oil	4A
8002-31-1	Cocoa	4A
8002-43-5	Lecithins	4A
8002-48-0	Malt extract	4A
8002-74-2	Paraffin wax	4A
8002-75-3	Palm oil	4A
8006-54-0	Lanolin	4A
8006-95-9	Wheat germ oil	4A
8007-69-0	Almond oil	4A
8008-74-0	Sesame seed oil	4A
8012-89-3	Beeswax	4A
8013-17-0	Invert sugar	4A
8015-86-9	Carnauba wax	4A
8016-13-5	Fish oil	4A
8016-70-4	Hydrogenated soybean oil	4A
8028-66-8	Honey	4A
8029-43-4	Corn syrup	4A
8030-76-0	Lecithins, soya	4A
8031-18-3	Fuller's earth	4A
8042-47-5	White mineral oil (petroleum)	4A
8052-35-5	Molasses	4A
9000-07-1	Carrageenan	4A
9000-11-7	Cellulose, carboxymethyl ether	4A
9000-30-0	Guar gum	4A
9000-40-2	Carob gum (locust bean gum)	4A
9002-88-4	Polyethylene	4A
9004-32-4	Cellulose carboxy methyl ether, sodium salt	4A
9004-34-6	Cellulose	4A
9004-35-7	Cellulose acetate	4A
9004-53-9	Dextrins	4A
9004-62-0	Cellulose, 2-hydroxyethyl ether	4A
9004-64-2	Cellulose, 2-hydroxypropyl ether	4A
9004-65-3	Cellulose, 2-hydroxypropyl methyl ester	4A
9004-67-5	Cellulose, methyl ether	4A
9005-25-8	Cornstarch	4A
9005-38-3	Sodium alginate	4A
9006-04-6	Rubber	4A
9007-48-1	1,2,3- Propanetriol, homopolymer (9Z)-9-octadecenoate	4A
9009-32-9	1,2,3- Propanetriol, homopolymer, octadecanoate	4A

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9050-36-6	Maltodextrin	4A
10034-76-1	Calcium sulfate, hemihydrate	4A
10034-99-8	Magnesium sulfate heptahydrate	4A
10101-41-4	Calcium sulfate, dihydrate	4A
10279-57-9	Silica, hydrate	4A
11099-07-3	Octadecanoic acid, ester with 1,2,3-propanetriol (9CI)	4A
11138-66-2	Xanthan gum	4A
12001-26-2	Mica group minerals	4A
12001-27-3	Lime (chemical) dolomitic	4A
12003-38-2	Mica	4A
12003-51-9	Silicic acid (H ₄ SiO ₄), aluminum sodium salt (1:1:1)	4A
12063-19-3	Zinc iron oxide	4A
12068-86-9	Iron magnesium oxide (Fe ₂ MgO ₄)	4A
12168-85-3	Calcium oxide silicate (Ca ₃ O(SiO ₄))	4A
12207-97-5	Magnesium oxide silicate (Mg ₃ O(Si ₂ O ₅) ₂), monohydrate	4A
12259-21-1	Iron oxide (Fe ₂ O ₃), hydrate	4A
12694-22-3	9- Octadecanoic acid, monoester with oxybis (propanediol)	4A
12736-96-8	Silicic acid, aluminum potassium sodium salt	4A
13397-24-5	Gypsum	4A
13397-26-7	Carbonic acid, calcium salt (calcite)	4A
13429-27-1	Tetradecanoic acid, potassium salt	4A
13776-74-4	Silicic acid (H ₂ SiO ₃), magnesium salt (1:1)	4A
13983-17-0	Wollastonite (Ca(SiO ₃))	4A
14987-04-3	Magnesium silicon oxide (Mg ₂ Si ₃ O ₈)	4A
16389-88-1	Dolomite (CaMg(CO ₃) ₂)	4A
18996-35-5	Citric acid, monosodium salt	4A
24634-61-5	Potassium sorbate	4A
25496-72-4	9- Octadecanoic acid (9Z)-, monoester with 1,2,3 propanetriol	4A
25637-84-7	9- Octadecanoic acid (9Z)-, diester with 1,2,3-propanetriol (9C)	4A
26402-22-2	Decanoic acid, monoester with 1,2,3-propanetriol	4A
26402-26-6	Octanoic acid, monoester with 1,2,3-propanetriol	4A
26499-65-0	Plaster of Paris	4A
26657-95-4	Hexadecanoic acid, diester with 1,2,3-propanetriol (9CI)	4A
26657-96-5	Hexadecanoic acid, monoester with 1,2,3-propanetriol	4A
27214-38-6	Tetradecanoic acid, monoester with 1,2,3-propanetriol (9CI)	4A
27215-38-9	Dodecanoic acid, monoester with 1,2,3-propanetriol (9CI)	4A
27638-00-2	Dodecanoic acid, diester with 1,2,3-propanetriol (9CI)	4A
31566-31-1	Octadecanoic acid, monoester with 1,2,3-propanetriol (9CI)	4A
	Octanoic acid, diester iwht 1,2,3-propanetriol (9CI)	4A
36354-80-0		4A
37244-96-5	Nepheline syenite	4A
49553-76-6	9- Octadecanoic acid, ester with 1,2,3-propanetriol	4A
51395-75-6	Cellulose, mixture with cellulose carboxymethyl ether, sodium salt	4A
53563-63-6	Tetradecanoic acid, diester with 1,2,3-propanetriol (9CI)	4A
53988-07-1	Decanoic acid, diester with 1,2,3-propanetriol (9CI)	4A
60676-86-0	Silica, vitreous	4A
61789-97-7	Tallow	4A

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61789-98-8	Cork	4A
61789-99-9	Lard	4A
61790-53-2	Diatomaceous earth (less than 1% crystalline silica)	4A
63231-67-4	Silica Gel	4A
64044-51-5	Lactose, monohydrate	4A
65996-61-4	Cellulose, pulp	4A
68131-04-4	Humic acid, sodium salt	4A
68131-12-4	Meat meal	4A
68131-37-3	Corn syrup solids	4A
68334-00-9	Hydrogenated cottonseed oil	4A
68409-75-6	Bone meal	4A
68424-10-2	Cottonseed meal	4A
68442-85-3	Cellulose, regenerated	4A
68476-25-5	Feldspar group minerals	4A
68476-37-9	Glue (as depolymerized animal collagen)	4A
68476-78-8	Cane syrup	4A
68514-28-3	Humic acid, potassium salt	4A
68514-74-9	Hydrogenated palm oils	4A
68514-76-1	Citrus pulp, orange	4A
68525-86-0	Corn flour	4A
68553-81-1	Rice bran oil	4A
68876-77-7	Yeast	4A
68916-18-7	Coffee grounds	4A
68916-91-6	Licorice extract	4A
68917-73-7	Oils, wheat	4A
68917-75-9	Wintergreen oil	4A
68937-99-5	Sunflower seeds	4A
68989-22-0	Zeolites, NaA	4A
68991-42-4	Paprika	4A
71010-52-1	Gellan gum (tolerance pending approval)	4A
71012-10-7	9- Octadecenoic acid, monoester with tetraglycerol	4A
84681-71-0	Hydrogenated rapeseed oil	4A
85409-30-5	Bentonite, sodian	4A
93763-70-3	Perlite, expanded	4A
112926-00-8	Silica gel, precipitated, crystalline-free	4A
112945-52-5	Silica, amorphous, fumed (crystalline free)	4A
120962-03-0	Canola oil	4A
130885-09-5	Perlite	4A
134134-87-5	Oat protein	4A
	Animal feed items conforming to 40 CFR 180.950(b)	4A
	Animal glue	4A
	Cardboard	4A
	Cat food	4A
	Clam shells	4A
	Commonly consumed food commodities conforming to 40 CFR 180.950(a)	4A
	Cotton	4A
	Douglas fir bark	4A
	Edible fats and oils conforming to 40 CFR 180.950(c)	4A
	Egg shells	4A
	Oyster shells	4A
	Paper	4A

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Peat moss	4A
Sawdust	4A
Vinegar (maximum of 8% acetic acid in solution)	4A