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

Inert Ingredients Ordered Alphabetically by Chemical Name - List 4A Updated August 2004

CAS	PREFIX	NAME	List No.
62-54-4		Acetic acid, calcium salt	4A
127-08-2		Acetic acid, potassium salt	4A
127-09-3		Acetic acid, sodium salt	4A
8007-69-0		Almond oil	4A
1327-43-1		Aluminum magnesium silicate	4A
1327-44-2		Aluminum potassium silicate	4A
		Animal feed items conforming to 40 CFR 180.950(b)	4A
		Animal glue	4A
50-81-7	L-	Ascorbic acid	4A
137-66-6		Ascorbyl palmitate	4A
8012-89-3		Beeswax	4A
1302-78-9		Bentonite	4A
85409-30-5		Bentonite, sodian	4A
1863-63-4		Benzoic acid, ammonium salt	4A
2090-05-3		Benzoic acid, calcium salt	4A
553-70-8		Benzoic acid, magnesium salt	4A
582-25-2		Benzoic acid, potassium salt	4A
532-32-1		Benzoic acid, sodium salt	4A
68409-75-6		Bone meal	4A
123-95-5		Butyl stearate	4A
5743-26-0		Calcium acetate, monohydrate	4A
471-34-1		Calcium carbonate	4A
6107-56-8		Calcium octanoate	4A
12168-85-3		Calcium oxide silicate (Ca3O(SiO4))	4A
10101-41-4		Calcium sulfate, dihydrate	4A
10034-76-1		Calcium sulfate, hemihydrate	4A
68476-78-8		Cane syrup	4A
120962-03-0		Canola oil	4A
7440-44-0		Carbon	4A
124-38-9		Carbon dioxide	4A
13397-26-7		Carbonic acid, calcium salt (calcite)	4A
546-93-0		Carbonic acid, magnesium salt (1:1)	4A
298-14-6		Carbonic acid, monopotassium salt	4A
144-55-8		Carbonic acid, monosodium salt	4A
		Cardboard	4A
8015-86-9		Carnauba wax	4A
9000-40-2		Carob gum (locust bean gum)	4A
9000-07-1		Carrageenan	4A
8001-79-4		Castor oil	4A
8001-78-3		Castor oil, hydrogenated	4A
		Cat food	4A
9004-34-6		Cellulose	4A
9004-35-7		Cellulose acetate	4A
9004-32-4		Cellulose carboxy methyl ether, sodium salt	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
9000-11-7		Cellulose, carboxymethyl ether	4A
9004-67-5		Cellulose, methyl ether	4A

51395-75-6	Cellulose, mixture with cellulose carboxymethyl ether, sodium salt	4A
65996-61-4	Cellulose, pulp	4A
68442-85-3	Cellulose, regenerated	4A
77-92-9	Citric acid	4A
813-94-5	Citric acid, calcium salt (2:3)	4A
7693-13-2	Citric acid, calcium salt (2:3)	4A
3609-96-9	Citric acid, dipotassium salt	4A
144-33-2	Citric acid, disodium salt	4A
5949-29-1	Citric acid, monohydrate	4A
866-83-1	Citric acid, monopotassium salt	4A
18996-35-5	Citric acid, monosodium salt	4A
7778-49-6	Citric acid, potassium salt	4A
994-36-5	Citric acid, sodium salt	4A
866-84-2	Citric acid, tripotassium salt	4A
6100-05-6	Citric acid, tripotassium salt, monohydrate	4A
68-04-2	Citric acid, trisodium salt	4A
6132-04-3	Citric acid, trisodium salt, dihydrate	4A
6858-44-2	Citric acid, trisodium salt, pentahydrate	4A
68514-76-1	Citrus pulp, orange	4A
	Clam shells	4A
8002-31-1	Cocoa	4A
8001-31-8	Coconut oil	4A
68916-18-7	Coffee grounds	4A
	Commonly consumed food commodities conforming to 40 CFR 180.950(a)	4A
61789-98-8	Cork	4A
68525-86-0	Corn flour	4A
8001-30-7	Corn oil	4A
8029-43-4	Corn syrup	4A
68131-37-3	Corn syrup solids	4A
9005-25-8	Cornstarch	4A
	Cotton	4A
68424-10-2	Cottonseed meal	4A
8001-29-4	Cottonseed oil	4A
53988-07-1	Decanoic acid, diester with 1,2,3-propanetriol (9CI)	4A
26402-22-2	Decanoic acid, monoester with 1,2,3-propanetriol	4A
9004-53-9	Dextrins	4A
50-99-7	Dextrose	4A
61790-53-2	Diatomaceous earth (less than 1% crystalline silica)	4A
143-07-7	Dodecanoic acid	4A
142-18-7	Dodecanoic acid, 2,3-dihydroxypropyl ester	4A
27638-00-2	Dodecanoic acid, diester with 1,2,3-propanetriol (9CI)	4A
27215-38-9	Dodecanoic acid, monoester with 1,2,3-propanetriol (9CI)	4A
16389-88-1	Dolomite ($CaMg(CO_3)_2$)	4A
	Douglas fir bark	4A
	Edible fats and oils conforming to 40 CFR 180.950(c)	4A
	Egg shells	4A
68476-25-5	Feldspar group minerals	4A
8016-13-5	Fish oil	4A
8031-18-3	Fuller's earth	4A
110-17-8	Fumaric acid	4A

71010-52-1		Gellan gum (tolerance pending approval)	4A
68476-37-9		Glue (as depolymerized animal collagen)	4A
56-81-5		Glycerol (glycerin) 1,2,3 propanetriol	4A
7782-42-5		Graphite	4A
9000-30-0		Guar gum	4A
13397-24-5		Gypsum	4A
1317-60-8		Hematite (Fe2O3)	4A
57-10-3		Hexadecanoic acid	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
8028-66-8		Honey	4A
68514-28-3		Humic acid, potassium salt	4A
68131-04-4		Humic acid, sodium salt	4A
68334-00-9		Hydrogenated cottonseed oil	4A
68514-74-9		Hydrogenated palm oils	4A
84681-71-0		Hydrogenated rapeseed oil	4A
8016-70-4		Hydrogenated soybean oil	4A
8013-17-0		Invert sugar	4A
12068-86-9		Iron magnesium oxide (Fe2MgO4)	4A
1317-61-9		Iron oxide (Fe3O4)	4A
1309-37-1		Iron oxide (Fe2O3)	4A
12259-21-1		Iron oxide (Fe2O3), hydrate	4A
1345-25-1		Iron oxide (FeO)	4A
110-27-0		Isopropyl myristate	4A
1332-58-7		Kaolin	4A
97-64-3		Lactic acid, ethyl ester	4A
138-22-7		Lactic acid, n-butyl ester	4A
63-42-3	D-(+)-	Lactose	4A
64044-51-5		Lactose, monohydrate	4A
8006-54-0		Lanolin	4A
61789-99-9		Lard	4A
8002-43-5		Lecithins	4A
8030-76-0		Lecithins, soya	4A
68916-91-6		Licorice extract	4A
12001-27-3		Lime (chemical) dolomitic	4A
1317-65-3		Limestone	4A
8001-26-1		Linseed oil (unboiled)	4A
1309-48-4		Magnesium oxide	4A
12207-97-5		Magnesium oxide silicate (Mg3O(Si2O5)2), monohydrate	4A
1343-90-4		Magnesium silicate, hydrate	4A
14987-04-3		Magnesium silicon oxide (Mg2Si3O8)	4A
10034-99-8		Magnesium sulfate heptahydrate	4A
6915-15-7		Malic acid	4A
8002-48-0		Malt extract	4A
9050-36-6		Maltodextrin	4A
68131-12-4		Meat meal	4A
12003-38-2		Mica	4A
12001-26-2		Mica group minerals	4A
8052-35-5		Molasses	4A
1318-93-0		Montmorillonite	4A

1327-36-2		Mullite	4A
37244-96-5		Nepheline syenite	4A
7727-37-9		Nitrogen	4A
134134-87-5		Oat protein	4A
25496-72-4	9-	Octadecanoic acid (9Z)-,monoester with 1,2,3 propanetriol	4A
1002-89-7		Octadecanoic acid, ammonium salt	4A
1592-23-0		Octadecanoic acid, calcium salt	4A
557-04-0		Octadecanoic acid, magnesium salt	4A
12694-22-3	9-	Octadecanoic acid, monoester with oxybis (propanediol)	4A
593-29-3		Octadecanoic acid, potassium salt	4A
822-16-2		Octadecanoic acid, sodium salt	4A
557-05-1		Octadecanoic acid, zinc salt	4A
111-03-5	9-	Octadecenenoic acid (Z)-, 2,3-dihydroxypropyl ester (9CI)	4A
143-18-0	9-	Octadecenoic acid (9Z)-, potassium salt	4A
143-19-1	9-	Octadecenoic acid (9Z)-, sodium salt	4A
7492-30-0	9-	Octadecenoic acid, 12-hydroxy-, monopotassium salt, (9Z,	4A
5323-95-5	9-	Octadecenoic acid, 12-hydroxy-, monosodium salt, (9Z, 12R	4A
49553-76-6	9-	Octadecenoic acid, ester with 1,2,3-propanetriol	4A
71012-10-7	9-	Octadecenoic acid, monoester with tetraglycerol	4A
36354-80-0		Octanoic acid, diester iwht 1,2,3-propanetriol (9CI)	4A
26402-26-6		Octanoic acid, monoester with 1,2,3-propanetriol	4A
1984-06-1		Octanoic acid, sodium salt	4A
1323-83-7		Octodecanoic acid, diester with 1,2,3-propanetriol (9CI)	4A
11099-07-3		Octodecanoic acid, ester with 1,2,3-propanetriol (9CI)	4A
31566-31-1		Octodecanoic acid, monoester with 1,2,3-propanetriol (9CI)	4A
25637-84-7	9-	Octodecenoic acid (9Z)-, diester with 1,2,3-propanetriol (9C	4A
68917-73-7		Oils, wheat	4A
112-80-1		Oleic acid	4A
8001-25-0		Olive oil	4A
		Oyster shells	4A
8002-75-3		Palm oil	4A
		Paper	4A
68991-42-4		Paprika	4A
8002-74-2		Paraffin wax	4A
8002-03-7		Peanut oil	4A
		Peat moss	4A
130885-09-5		Perlite	4A
93763-70-3		Perlite, expanded	4A
26499-65-0		Plaster of Paris	4A
9002-88-4		Polyethylene	4A
7646-93-7		Potassium bisulfate	4A
7447-40-7		Potassium chloride	4A
764-71-6		Potassium octoate	4A
24634-61-5		Potassium sorbate	4A
9007-48-1	1,2,3-	Propanetriol, homopolymer (9Z)-9-octadecenoate	4A
9009-32-9	1,2,3-	Propanetriol, homopolymer, octadecanoate	4A
1332-09-8		Pumice	4A
68553-81-1		Rice bran oil	4A
9006-04-6		Rubber	4A

8001-23-8	Safflower oil	4A
	Sawdust	4A
8008-74-0	Sesame seed oil	4A
63231-67-4	Silica Gel	4A
112926-00-8	Silica gel, precipitated, crystalline-free	4A
112945-52-5	Silica, amorphous, fumed (crystalline free)	4A
7699-41-4	Silica, amorphous, precipitated and gel	4A
10279-57-9	Silica, hydrate	4A
60676-86-0	Silica, vitreous	4A
13776-74-4	Silicic acid (H2SiO3), magnesium salt (1:1)	4A
12003-51-9	Silicic acid (H4SiO4), aluminum sodium salt (1:1:1)	4A
12736-96-8	Silicic acid, aluminum potassium sodium salt	4A
1335-30-4	Silicic acid, aluminum salt	4A
1344-00-9	Silicic acid, aluminum sodium salt	4A
1344-95-2	Silicic acid, calcium salt	4A
1343-88-0	Silicic acid, magnesium salt	4A
7631-86-9	Silicon dioxide (crystalline-free forms only)	4A
1393-03-9	Soapbark (Quillaja saponin)	4A
9005-38-3	Sodium alginate	4A
7647-14-5	Sodium chloride	4A
50-70-4	Sorbitol	4A
8001-22-7	Soybean oil	4A
8002-24-2	Sperm oil	4A
57-11-4	Stearic acid	4A
57-50-1	Sugar	4A
7704-34-9	Sulfur	4A
7778-18-9	Sulfuric acid, calcium salt (1:1)	4A
7778-80-5	Sulfuric acid, dipotassium salt	4A
7757-82-6	Sulfuric acid, disodium salt	4A
7727-73-3	Sulfuric acid, disodium salt, decahydrate	4A
7487-88-9	Sulfuric acid, magnesium salt (1:1)	4A
68937-99-5	Sunflower seeds	4A
61789-97-7	Tallow	4A
544-63-8	Tetradecanoic acid	4A
589-68-4	Tetradecanoic acid, 2,3-dihydroxypropyl ester	4A
53563-63-6	Tetradecanoic acid, diester with 1,2,3-propanetriol (9CI)	4A
27214-38-6	Tetradecanoic acid, monoester with 1,2,3-propanetriol (9CI	4A
13429-27-1	Tetradecanoic acid, potassium salt	4A
57-13-6	Urea	4A
121-33-5	Vanillin	4A
1318-00-9	Vermiculite	4A
	Vinegar (maximum of 8% acetic acid in solution)	4A
1406-18-4	Vitamin E	4A
7732-18-5	Water	4A
8006-95-9	Wheat germ oil	4A
8042-47-5	White mineral oil (petroleum)	4A
68917-75-9	Wintergreen oil	4A
13983-17-0	Wollastonite (Ca(SiO3))	4A
11138-66-2	Xanthan gum	4A
68876-77-7	Yeast	4A

1318-02-1	Zeolites (excluding erionite (CAS Reg. No. 66733-21-9))	4A
68989-22-0	Zeolites, NaA	4A
12063-19-3	Zinc iron oxide	4A
1314-13-2	Zinc oxide	4A