

**U.S. Environmental Protection Agency**

Office of Pesticide Programs

List of Inert Pesticide Ingredients

List 4B - Other ingredients for which EPA has sufficient information to reasonably conclude that the current use pattern in pesticide products will not adversely affect public health or the environment.- By CAS Number  
Updated August 2004

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

| CAS      | PREFIX NAME |   |
|----------|-------------|---|
| 50-21-5  |             | Lactic acid 4B  |
| 57-48-7  | D-          | Fructose 4B   |
| 57-55-6  |             | Propylene glycol 4B   |
|          | (3.beta.)   |   |
| 57-88-5  | -           | Cholest-5-en-3-ol 4B  |
| 58-08-2  | 1H-         | Purine-2,6-dione, 3,7-dihydro-1,3,7-trimethyl- 4B           |
| 58-56-0  |             | Thiamine mononitrate 4B                                     |
| 58-86-6  | D-          | Xylose 4B   |
| 59-30-3  |             | Folic acid 4B   |
| 60-00-4  |             | Ethylenediaminetetraacetic acid (EDTA) 4B                   |
| 62-33-9  |             | Ethylenediaminetetraacetic acid (EDTA), calcium disodium 4B |
| 63-68-3  | L-          | Methionine 4B   |
| 64-02-8  |             | Ethylenediaminetetraacetic acid (EDTA), tetrasodium salt 4B |
| 64-17-5  |             | Ethanol 4B  |
| 64-19-7  |             | Acetic acid 4B  |
| 65-85-0  |             | Benzoic acid 4B   |
| 67-48-1  |             | Choline chloride 4B   |
| 67-63-0  | 2-          | Propanol 4B   |
| 67-97-0  |             | Vitamin D3 4B   |
| 68-19-9  |             | Vitamin B12 4B  |
| 68-26-8  |             | Vitamin A 4B  |
| 71-23-8  | 1-          | Propanol 4B   |
| 71-36-3  | 1-          | Butanol 4B  |
| 73-22-3  | L-          | Tryptophan 4B   |
| 77-90-7  |             | Acetyl tributyl citrate 4B                                  |
| 78-23-9  |             | Pentaerythritol monostearate 4B                             |
| 79-09-4  |             | Propanoic acid 4B   |
| 80-56-8  | alpha-      | Pinene 4B   |
| 81-88-9  |             | Rhodamine B (conforming to 40 CFR 180.2020) 4B              |
| 91-53-2  |             | Ethoxyquin 4B   |
| 94-13-3  |             | Propyl p-hydroxybenzoate 4B                                 |
| 96-48-0  | gamma-      | Butyrolactone 4B  |
| 97-78-9  |             | Glycine, N-methyl-N-(1-oxododecyl)- 4B                      |
| 98-86-2  |             | Acetophenone 4B   |
| 99-76-3  |             | Methyl p-hydroxybenzoate 4B                                 |
| 102-76-1 |             | Glyceryl triacetate 4B                                      |
| 103-26-4 |             | Methyl cinnamate 4B   |
| 106-65-0 |             | Butanedioic acid, dimethyl ester 4B                         |
| 106-97-8 | n-          | Butane 4B   |
| 108-24-7 |             | Acetic anhydride 4B   |
| 110-15-6 |             | Butanedioic acid 4B   |
| 110-44-1 |             | Sorbic acid 4B  |
| 111-20-6 |             | Decanedioic acid 4B   |
| 111-27-3 | 1-          | Hexanol 4B  |
| 111-70-6 | 1-          | Heptanol 4B   |

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

|           |  |    |
|-----------|--|----|
| 112-30-1  | 1- Decanol   | 4B |
| 112-62-9  | Methyl oleate  | 4B |
| 115-10-6  | Dimethyl ether   | 4B |
| 115-83-3  | Pentaerythritol tetrastearate  | 4B |
| 120-72-9  | 1H- Indole   | 4B |
| 124-07-2  | Octanoic acid  | 4B |
| 124-10-7  | Methyl tetradecanoate  | 4B |
| 126-96-5  | Sodium diacetate   | 4B |
| 134-03-2  | Sodium ascorbate   | 4B |
| 137-08-6  | Alanine,N-(2,4-dihydroxy-3,3-dimethyl-1-oxobutyl)-,<br>beta- calcium salt (2:1), (R)- (9CI) (CA IN | 4B |
| 137-40-6  | Sodium propionate  | 4B |
| 139-33-3  | Ethylenediaminetetraacetic acid (EDTA), disodium salt  | 4B |
| 139-44-6  | Glyceryl tris(12-hydroxystearate)  | 4B |
| 141-78-6  | Ethyl acetate  | 4B |
| 142-03-0  | Aluminum acetate, basic  | 4B |
| 142-48-3  | Glycine, N-methyl-N-(1-oxooctadecyl)   |    |
| 143-28-2  | 9- Octadecen- 1 -ol, (9Z)-   | 4B |
| 147-14-8  | Copper phthalocyanine blue   | 4B |
| 147-81-9  | Arabinose (8CI, 9CI) (CA INDEX NAME)   | 4B |
| 150-38-9  | Ethylenediaminetetraacetic acid (EDTA), trisodium salt   | 4B |
| 151-21-3  | Dodecyl sulfate, sodium salt   | 4B |
| 334-48-5  | Decanoic acid  | 4B |
| 497-19-8  | Carbonic acid, disodium salt   | 4B |
| 506-87-6  | Carbonic acid, diammonium salt   | 4B |
| 515-98-0  | Lactic acid, monoammonium salt   | 4B |
| 527-07-1  | Gluconic acid, sodium salt   | 4B |
| 527-09-3  | Cupric gluconate   | 4B |
| 533-96-0  | Sodium sesquicarbonate   | 4B |
| 544-60-5  | 9- Octadecenoic acid (9Z)-, ammonium salt  | 4B |
| 563-71-3  | Ferrous carbonate  | 4B |
| 577-11-7  | Sodium bis(2-ethylhexyl) sulfosuccinate  | 4B |
| 584-08-7  | Carbonic acid, dipotassium salt  | 4B |
| 598-62-9  | Carbonic acid, manganese(2+) salt (1:1)  | 4B |
| 631-61-8  | Acetic acid, ammonium salt   | 4B |
| 637-12-7  | Octadecanoic acid, aluminum salt   | 4B |
| 689-82-7  | 2- Butenedioic acid (Z)-, monopotassium salt   | 4B |
| 811-97-2  | 1,1,1,2- Tetrafluoroethane   | 4B |
| 814-80-2  | Lactic acid, calcium salt (2:1)  | 4B |
| 860-22-0  | FD&C Blue No. 2  | 4B |
| 868-18-8  | Sodium tartrate  | 4B |
| 928-96-1  | 3- Hexen-1-ol, (Z)-  | 4B |
| 1066-33-7 | Carbonic acid, monoammonium  | 4B |
| 1302-42-7 | Sodium aluminate   | 4B |
| 1305-62-0 | Calcium hydroxide  | 4B |
| 1305-78-8 | Calcium oxide  | 4B |
| 1309-42-8 | Magnesium hydroxide  | 4B |
| 1310-58-3 | Potassium hydroxide  | 4B |
| 1310-73-2 | Sodium hydroxide   | 4B |
| 1312-76-1 | Silicic acid, potassium salt   | 4B |

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

|           |   |    |
|-----------|---|----|
| 1317-95-9 | Tripoli   | 4B |
| 1318-23-6 | Boehmite (Al(OH)O)  | 4B |
| 1328-53-6 | C.I. Pigment Green 7  | 4B |
| 1336-21-6 | Ammonium hydroxide  | 4B |
| 1338-41-6 | Sorbitan monostearate   | 4B |
| 1343-98-2 | Silicic acid  | 4B |
| 1344-09-8 | Silicic acid, sodium salt   | 4B |
| 1344-28-1 | Aluminum oxide  | 4B |
| 1344-43-0 | Manganous oxide   | 4B |
| 1639-66-3 | Sodium dioctyl sulfosuccinate   | 4B |
| 2809-21-4 | 1- Hydroxyethylidene-1,1-diphosphonic acid  | 4B |
| 3012-65-5 | Ammonium citrate, dibasic   | 4B |
| 3624-77-9 | Glycine, N-methyl-N-(1-oxo-9-octadecenyl)-, sodium salt (9CI) (CA INDEX NAME) (Pending) | 4B |
| 4075-81-4 | Calcium propionate  | 4B |
| 4468-02-4 | D- Gluconic acid, zinc complex  | 4B |
| 5136-55-0 | Glycine, N-methyl-N-(1-oxooctadecyl)-, sodium salt                                      | 4B |
| 5905-52-2 | Ferrous lactate   | 4B |
| 5964-35-2 | Ethylenediaminetetraacetec acid (EDTA), tetrapotassium sa4B                             |    |
| 5989-27-5 | d- Limonene   | 4B |
| 6028-57-5 | Aluminum octanoate  | 4B |
| 6381-92-6 | Ethylenediaminetetraacetic acid (EDTA), disodium salt, dihy4B                           |    |
| 6484-52-2 | Ammonium nitrate  | 4B |
| 6834-92-0 | Silicic acid (H <sub>2</sub> SiO <sub>3</sub> ), disodium salt                          | 4B |
| 7320-34-5 | Tetrapotassium pyrophosphate  | 4B |
| 7379-27-3 | Ethylenediaminetetraacetic acid (EDTA), potassium salt                                  | 4B |
| 7379-28-4 | Ethylenediaminetetraacetic acid (EDTA), sodium salt                                     | 4B |
| 7439-89-6 | Iron (Fe)   | 4B |
| 7440-59-7 | Helium  | 4B |
| 7440-66-6 | Zinc (metallic)   | 4B |
| 7446-70-0 | Aluminum chloride   | 4B |
| 7558-79-4 | Disodium phosphate  | 4B |
| 7558-80-7 | Sodium dihydrogen phosphate   | 4B |
| 7601-54-9 | Trisodium phosphate   | 4B |
| 7631-99-4 | Sodium nitrate  | 4B |
| 7632-05-5 | Sodium phosphate  | 4B |
| 7647-01-0 | Hydrogen chloride   | 4B |
| 7647-15-6 | Sodium bromide  | 4B |
| 7664-38-2 | Phosphoric acid   | 4B |
| 7664-93-9 | Sulfuric acid   | 4B |
| 7681-38-1 | Sodium bisulfate  | 4B |
| 7681-49-4 | Sodium fluoride   | 4B |
| 7681-53-0 | Sodium hypophosphite  | 4B |
| 7697-37-2 | Nitric acid   | 4B |
| 7705-08-0 | Ferric chloride   | 4B |
| 7720-78-7 | Ferrous sulfate   | 4B |
| 7722-76-1 | Ammonium phosphate (monobasic)  | 4B |
| 7722-88-5 | Diphosphoric acid, tetrasodium salt   | 4B |
| 7727-43-7 | Barium sulfate (1:1)  | 4B |
| 7757-86-0 | Phosphoric acid, magnesium salt (1:1)   | 4B |

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|           |                                       |    |
|-----------|---------------------------------------|----|
| 7757-87-1 | Phosphoric acid, magnesium salt (2:3) | 4B |
| 7757-93-9 | Phosphoric acid, calcium salt (1:1)   | 4B |
| 7758-11-4 | Potassium phosphate (dibasic)         | 4B |
| 7758-16-9 | Sodium acid pyrophosphate             | 4B |
| 7758-23-8 | Phosphoric acid, calcium salt (2:1)   | 4B |
| 7758-29-4 | Sodium tripolyphosphate               | 4B |
| 7758-87-4 | Tricalcium phosphate                  | 4B |
| 7772-98-7 | Sodium thiosulfate                    | 4B |
| 7778-53-2 | Phosphoric acid, tripotassium salt    | 4B |
| 7778-77-0 | Potassium phosphate, monobasic        | 4B |
| 7779-88-6 | Zinc nitrate                          | 4B |
| 7779-90-0 | Phosphoric acid, zinc salt (2:3)      | 4B |
| 7782-44-7 | Oxygen                                | 4B |
| 7782-63-0 | Ferrous sulfate heptahydrate          | 4B |
| 7783-20-2 | Ammonium sulfate                      | 4B |
| 7783-28-0 | Diammonium phosphate                  | 4B |
| 7784-25-0 | Ammonium alum                         | 4B |
| 7785-87-7 | Manganese sulfate                     | 4B |
| 7785-88-8 | Sodium aluminum phosphate             | 4B |
| 7786-30-3 | Magnesium chloride                    | 4B |
| 7803-63-6 | Ammonium bisulfate                    | 4B |
| 8000-25-7 | Oils, rosemary                        | 4B |
| 8000-46-2 | Oils, geranium                        | 4B |
| 8001-26-1 | Linseed oil (boiled)                  | 4B |
| 8001-69-2 | Cod liver oil                         | 4B |
| 8002-09-3 | Pine oil                              | 4B |
| 8002-33-3 | Sulfated castor oil                   | 4B |
| 8002-72-0 | Onions, oil                           | 4B |
| 8005-44-5 | Fatty alcohols                        | 4B |
| 8007-08-7 | Oils, ginger                          | 4B |
| 8008-57-9 | Orange oil                            | 4B |
| 8008-79-5 | Spearmint oil                         | 4B |
| 8009-03-8 | Petrolatum                            | 4B |
| 8014-19-5 | Oils, palmarosa                       | 4B |
| 8015-73-4 | Oils, basil                           | 4B |
| 8016-20-4 | Oils, grapefruit                      | 4B |
| 8016-85-1 | Oils, tangerine                       | 4B |
| 8016-96-4 | Oils, vetiver                         | 4B |
| 8021-28-1 | Oils, Fir                             | 4B |
| 8021-99-6 | Charcoal, bone                        | 4B |
| 8022-15-9 | Oils, lavandin                        | 4B |
| 8022-56-8 | Oils, sage                            | 4B |
| 8023-77-6 | Resins, oleo-, capsicum               | 4B |
| 8023-84-  |                                       |    |
| 5         | Catnip                                | 4B |
| 8028-48-6 | Sweet orange peel tincture            | 4B |
| 8028-89-5 | Caramel                               | 4B |
| 8029-31-0 | Beer                                  | 4B |
| 8030-12-4 | Tallow, hydrogenated                  | 4B |
| 8050-33-7 | Polyoxyethylene ester of rosin        | 4B |
| 8052-48-0 | Sodium tallow soap                    | 4B |
| 8061-51-6 | Lignosulfonic acid, sodium salt       | 4B |

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|           |   |    |
|-----------|---|----|
| 8061-52-7 | Lignosulfonic acid, calcium salt                      | 4B |
| 9000-01-5 | Gum Arabic  | 4B |
| 9000-50-4 | Oils, oakmoss-resinoid (CA INDEX NAME)                | 4B |
| 9000-69-5 | Pectin  | 4B |
| 9000-70-8 | Gelatin   | 4B |
| 9000-71-9 | Caseins   | 4B |
| 9002-86-2 | Polyvinyl chloride resin                              | 4B |
| 9002-89-5 | Polyvinyl alcohol                                     | 4B |
| 9002-92-0 | Polyoxyethylene dodecyl mono ether                    | 4B |
| 9003-01-4 | Acrylic acid polymer                                  | 4B |
| 9003-04-7 | Acrylic acid polymer, sodium salt                     | 4B |
| 9003-05-8 | Polyacrylamide  | 4B |
| 9003-06-9 | Acrylamide - acrylic acid resin                       | 4B |
| 9003-07-0 | Polypropylene   | 4B |
| 9003-09-2 | Ethene, methoxy-, homopolymer                         | 4B |
| 9003-11-6 | Polyoxyethylene-polyoxypropylene copolymer            | 4B |
| 9003-18-3 | Acrylonitrile--butadiene copolymer                    | 4B |
| 9003-18-3 | 2- Propenenitrile, polymer with 1,3-butadiene         | 4B |
| 9003-20-7 | Polyvinyl acetate                                     | 4B |
| 9003-22-9 | Vinyl chloride - vinyl acetate copolymer              | 4B |
| 9003-39-8 | Polyvinylpyrrolidone                                  | 4B |
| 9003-49-0 | Polymerized butyl acrylate                            | 4B |
| 9003-53-6 | Polystyrene resin                                     | 4B |
| 9003-55-8 | Butadiene-styrene copolymer                           | 4B |
|           | Propenenitrile, polymer with 1,3-butadiene and        |    |
| 9003-56-9 | 2- ethenylbenzene                                     | 4B |
| 9003-68-3 | Polyethylene terephthalate                            | 4B |
| 9003-70-7 | Styrene-divinyl benzene copolymer resin matrix        | 4B |
| 9004-81-3 | Polyoxyethylene monolaurate                           | 4B |
|           | Dodecanol, ethoxylated, monoether with sulfuric acid, |    |
| 9004-82-4 | sodium salt   | 4B |
| 9004-95-9 | Polyoxyethylene monohexadecyl ether                   | 4B |
| 9004-96-0 | Polyoxyethylene monooleate                            | 4B |
| 9004-98-2 | Polyoxyethylene mono(cis-9-octadecenyl) ether         | 4B |
| 9004-99-3 | Polyoxyethylene monostearate                          | 4B |
| 9005-00-9 | Polyoxyethylene monooleate                            | 4B |
| 9005-07-6 | Polyoxyethylene dioleate                              | 4B |
| 9005-08-7 | Polyoxyethylene distearate                            | 4B |
| 9005-37-2 | Propylene glycol alginate                             | 4B |
| 9005-42-9 | Caseins, ammonium complexes                           | 4B |
| 9005-46-3 | Caseins, sodium complexes                             | 4B |
| 9005-64-5 | Polyoxyethylene sorbitan monolaurate                  | 4B |
| 9005-65-6 | Polyoxyethylene sorbitan monooleate                   | 4B |
| 9005-66-7 | Polyoxyethylene sorbitan monopalmitate                | 4B |
| 9005-67-8 | Polyoxyethylene sorbitan monostearate                 | 4B |
| 9005-70-3 | Polyoxyethylene sorbitan trioleate                    | 4B |
| 9005-71-4 | Polyoxyethylene sorbitan tristearate                  | 4B |
| 9006-50-2 | Egg white   | 4B |
| 9011-05-6 | Urea-formaldehyde resin                               | 4B |
| 9011-13-6 | Styrene - maleic anhydride resin                      | 4B |
| 9011-14-7 | Polymethyl methacrylate                               | 4B |
| 9011-16-9 | Maleic anhydride - methylvinyl ether copolymer        | 4B |

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|            |   |    |
|------------|---|----|
| 9011-29-4  | Polyoxyethylene sorbitol hexastearate   | 4B |
| 9012-76-4  | Chitosan  | 4B |
| 9014-85-1  | Polyethylene glycol ether with 1,4-diisobutyl-1,4-dimethylbutynediol (2:1)                    | 4B |
| 9014-90-8  | Nonylphenol, ethoxylated, monoether with sulfuric acid, sodium salt                           | 4B |
| 9014-92-0  | Polyoxyethylene dodecylpheno  | 4B |
| 9014-93-1  | Polyoxyethylene dinonylpheno  | 4B |
| 9016-45-9  | Polyoxyethylene nonylpheno  | 4B |
| 9018-04-6  | Butanediol, copolymer with 4,4'-diphenylmethane   |    |
| 9033-79-8  | 1,4- diisocyanate and polytetramethylene glycol   | 4B |
| 9036-19-5  | 2- Propenoic acid, polymer with sodium 2-propenoate   | 4B |
| 9038-29-3  | Polyoxyethylene (1,1,3,3-tetramethylbutyl)phenyl ether  | 4B |
| 9038-95-3  | Oxirane, methyl-, polymer with oxirane, decyl ether   | 4B |
| 9041-33-2  | Polyethylene-polypropylene glycol, monobutyl ether  | 4B |
| 9063-38-1  | Oxirane, methyl-, polymer with oxirane, mono-2-propenyl ether                                 | 4B |
| 9064-13-5  | Starch, carboxymethyl ether, sodium salt  | 4B |
| 9081-17-8  | Poly[oxy(methyl-1,2-ethanediyl)], alpha-(methylphenyl)-omega-hydroxy-                         | 4B |
| 9084-06-4  | Nonylphenol, ethoxylated, monoether with sulfuric acid  | 4B |
| 10016-20-3 | Naphthalenesulfonic acid, polymer with formaldehyde, sodium salt                              | 4B |
| 10025-67-9 | alpha- Cyclodextrin   | 4B |
| 10028-22-5 | Sulfur chloride   | 4B |
| 10043-01-3 | Ferric sulfate  | 4B |
| 10043-52-4 | Aluminum sulfate  | 4B |
| 10102-17-7 | Calcium chloride  | 4B |
| 10103-46-5 | Sodium thiosulfate, pentahydrate  | 4B |
| 10124-56-8 | Calcium phosphate   | 4B |
| 10191-41-0 | Sodium hexametaphosphate  | 4B |
| 10213-79-3 | Benzopyran-6-ol,3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-2H-1- trimethyltridecyl)-           | 4B |
| 10361-29-2 | Silicic acid, disodium salt, pentahydrate   | 4B |
| 10377-60-3 | Carbonic acid, ammonium salt  | 4B |
| 12001-76-2 | Magnesium nitrate   | 4B |
| 12124-97-9 | Vitamin B complex   | 4B |
| 12125-02-9 | Ammonium bromide  | 4B |
| 12173-47-6 | Ammonium chloride   | 4B |
| 12174-11-7 | Hectorite   | 4B |
| 12269-78-2 | Attapulgate   | 4B |
| 12276-01-6 | Pyrophyllite  | 4B |
| 13092-66-5 | Ethylenediaminetetraacetic acid (EDTA), copper (II) salt                                      | 4B |
| 13463-67-7 | Phosphoric acid, magnesium salt (2:1)   | 4B |
| 13870-28-5 | Titanium dioxide  | 4B |
| 14025-15-1 | Silicic acid (H <sub>2</sub> Si <sub>2</sub> O <sub>5</sub> ), disodium salt                  | 4B |
| 14025-21-9 | Ethylenediaminetetraacetic acid (EDTA), disodium copper(I) salt                               | 4B |
| 14464-46-1 | Ethylenediaminetetraacetic acid (EDTA), disodium zinc salt                                    | 4B |
| 14729-89-6 | Cristobalite  | 4B |
| 14807-96-6 | Ethylenediaminetetraacetic acid (EDTA) disodium iron(II) salt                                 | 4B |
| 14977-37-8 | Talc  | 4B |
|            | Potassium magnesium sulfate (Mg <sub>2</sub> K <sub>2</sub> (SO <sub>4</sub> ) <sub>3</sub> ) | 4B |

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|            |   |    |
|------------|---|----|
| 15375-84-5 | Ethylenediaminetetraacetic acid (EDTA) disodium manganese   | 4B |
| 15468-32-3 | Tridymite (SiO <sub>2</sub> )   | 4B |
| 15593-82-5 | Silicic acid (H <sub>6</sub> Si <sub>2</sub> O <sub>7</sub> ), hexasodium salt  | 4B |
| 15708-41-5 | Ethyldiaminetetraacetic acid (EDTA) iron(III) sodium salt   | 4B |
| 15974-07-9 | Calcium zinc phosphate (CaZn <sub>2</sub> (PO <sub>4</sub> ) <sub>2</sub> )   | 4B |
| 17099-81-9 | Ethylenediaminetetraacetic acid (EDTA), iron(III) salt  | 4B |
| 17217-76-4 | Propanetricarboxylic acid, 2-hydroxy-, iron (3+) salt (1:1),<br>1,2,3- trihydrate   | 4B |
| 17421-79-3 | Ethyldiaminetetraacetic acid (EDTA) monosodium salt   | 4B |
| 17572-97-3 | Ethylenediaminetetraacetic acid (EDTA), tripotassium salt   | 4B |
| 18917-93-6 | Magnesium lactate   | 4B |
| 19019-43-3 | Glycine, N-(carboxymethyl)-N-[2-<br>[(carboxymethyl)amino]ethyl]-, trisodium salt   | 4B |
| 20344-49-4 | Iron hydroxide oxide (Fe(OH)O)  | 4B |
| 20427-59-2 | Copper (II) C <sub>2449</sub> hydroxide   | 4B |
| 20727-33-7 | Diocetyl* sodium sulfosuccinate (* octyl is 1-methylheptyl)   | 4B |
| 20824-56-0 | Ethylenediaminetetraacetic acid (EDTA), diammonium salt   | 4B |
| 21645-51-2 | Aluminum hydroxide  | 4B |
| 21662-09-9 | 4- Decenal, (4Z)-   | 4B |
| 24937-78-8 | Ethylene, polymer with vinyl acetate  | 4B |
| 24938-04-3 | Polyethylene terephthalate - polyethylene isophthalate film   | 4B |
| 24938-16-7 | Propenoic acid, 2-methyl-, butyl ester, polymer with 2-<br>(dimethylamino)ethyl 2-methyl-2-propenoate and methyl 2-<br>2- methyl-2-propenoate | 4B |
| 24968-79-4 | Acrylic acid methyl ester, polymer with acrylonitrile   | 4B |
| 25038-59-9 | Poly(oxy-1,2-ethanedioxydicarbonyl-1,4-phenylene)carbamoyl  | 4B |
| 25067-01-0 | Vinyl acetate, polymer with n-butyl acrylate  | 4B |
| 25085-02-3 | Sodium acrylate, polymer with acrylamide  | 4B |
| 25085-34-1 | Styrene acrylic acid copolymer  | 4B |
| 25085-39-6 | Propenoic acid, polymer with 1,3-butadiene and<br>2- ethenylbenzene   | 4B |
| 25085-41-0 | Vinyl acetate-butyl acrylate-acrylic acid terpolymer  | 4B |
| 25086-29-7 | Vinylpyrrolidinone-styrene polymer  | 4B |
| 25086-48-0 | Vinyl chloride, vinyl acetate and vinyl alcohol copolymer   | 4B |
| 25086-89-9 | Polyvinylpyrrolidone-vinyl acetate copolymer  | 4B |
| 25087-06-3 | Maleic acid monoethyl ester-vinyl methyl ether copolymer  | 4B |
| 25119-68-0 | Maleic acid monobutyl ester-vinyl methyl ether copolymer  | 4B |
| 25119-83-9 | Acrylic acid, copolymer with butyl acrylate   | 4B |
| 25135-39-1 | Acrylic acid, polymer with ethyl acrylate and<br>methylmethacrylate   | 4B |
| 25153-40-6 | Methyl vinyl ether-maleic acid copolymer  | 4B |
| 25212-88-8 | Ethyl acrylate-methacrylic acid copolymer   | 4B |
| 25213-02-9 | 1- Hexene, polymer with ethene  | 4B |
| 25213-24-5 | Vinyl alcohol-vinyl acetate copolymer   | 4B |
| 25231-21-4 | Polyoxypropylene monostearyl ether  | 4B |
| 25266-02-8 | Maleic anhydride-1-octadecene copolymer   | 4B |



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

|            |   |    |
|------------|---|----|
| 25322-68-3 | Polyethylene glycol   | 4B |
| 25322-69-4 | Polypropylene glycol  | 4B |
| 25608-12-2 | 2- Propenoic acid, homopolymer, potassium salt  | 4B |
| 25719-52-2 | Dodecyl 2-methylacrylate polymer  | 4B |
| 25719-60-2 | beta- Pinene homopolymer  | 4B |
| 25750-06-5 | Styrene-methyl methacrylate-2-ethylhexyl acrylate copolymer   | 4B |
| 25750-84-9 | Acrylic acid, butyl ester, polymer with ethylene  | 4B |
| 25956-17-6 | FD&C Red No. 40   | 4B |
| 25987-30-8 | Acrylic acid, polymer with acrylamide, sodium salt  | 4B |
| 25987-66-0 | Acrylic acid butyl ester, polymer with methacrylic acid, methyl methacrylate and styrene  | 4B |
| 26027-38-3 | p- Nonylphenol, ethoxylated   | 4B |
| 26099-09-2 | Maleic acid homopolymer   | 4B |
| 26160-96-3 | Butylated polyvinylpyrrolidone  | 4B |
| 26183-44-8 | Dodecyl alcohol, ethoxylated, monoether with sulfuric acid  | 4B |
| 26183-52-8 | Polyoxyethylene monodecyl ether   | 4B |
| 26266-57-9 | Sorbitan monohexadecanoate  | 4B |
| 26316-40-5 | Ethylene oxide-propylene oxide copolymer ethylenediamine ether  | 4B |
| 26337-35-9 | Acetic acid ethenyl ester, polymer with carbon monoxide and ethene  | 4B |
| 26604-01-3 | Acrylic acid, polymer with acrylonitrile, ethyl acrylate and N-(hydroxymethyl)acrylamide  | 4B |
| 26635-76-7 | Glycols, polyethylene, mono(oleylamines)-ethyl ester  | 4B |
| 26636-39-5 | Polyoxyethylene monoicosyl ether  | 4B |
| 26636-40-8 | Polyoxyethylene docosyl ether   | 4B |
| 26873-77-8 | Propenoic acid, 2-methyl-, polymer with ethenylbenzene, 2- 2-ethylhexyl 2-propenoate and 2-propene                                | 4B |
| 26915-70-8 | Tridecanol, ethoxylated, phosphate ester  | 4B |
| 27012-62-0 | Acrylic acid methyl ester, polymer with acrylonitrile and 1,3-butadiene   | 4B |
| 27252-80-8 | Poly(oxy-1,2-ethanediyl), alpha-methyl-omega-(2-propenyloxy)- (CA INDEX NAME)   | 4B |
| 27274-31-3 | Poly(oxy-1,2-ethanediyl), .alpha.-2-propenyl-.omega.-hydroxy-   | 4B |
| 27306-78-1 | Poly(oxy-1,2-ethanediyl), alpha-methyl-omega-[3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl]propoxy]-(2-propenyloxy)- | 4B |
| 27306-79-2 | Polyoxyethylene monotetradecyl ether  | 4B |
| 27458-93-1 | Isooctadecanol  | 4B |
| 27756-15-6 | Acrylic acid-stearyl methacrylate copolymer   | 4B |
| 27937-16-4 | Poly[imino(1-oxo-1,12-dodecanediyl)]  | 4B |
| 28062-44-4 | Vinyl pyrrolidone-acrylic acid copolymer  | 4B |
| 28211-18-9 | 2- Pyrrolidinone, 1-ethenyl-, polymer with 1-eicosene   | 4B |

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

|            |  |    |
|------------|--|----|
| 28430-58-2 | Vinyl acetate, polymer with methyl acrylate and methyl methacrylate  | 4B |
| 29437-34-1 | Propenoic acid, butyl ester, polymer with ethyl 2-   | 4B |
| 29710-31-4 | 2- propenoate and 2-propenenitrile   | 4B |
|            | Cetyl octanoate  | 4B |
| 29781-80-4 | (alpha-D- Glucopyranoside, octyl   | 4B |
| 29836-26-8 | (beta-D- Glucoopyranoside, octyl   | 4B |
| 30364-51-3 | Glycine, N-methyl-N-(1-oxotetradecyl)-, sodium salt  | 4B |
| 30581-59-0 | Vinyl pyrrolidone-dimethylaminoethylmethacrylate copolymer   | 4B |
| 30795-23-4 | Propenoic acid, butyl ester, polymer with ethenylbenzene 2- and 2-ethylhexyl 2-propenoate                              | 4B |
| 30938-41-1 | Polymer of vinyl acetate, n-butyl acrylate, vinyl chloride, and acrylic acid   | 4B |
| 31307-92-3 | Polyoxyethylene sorbitol   | 4B |
| 31307-95-6 | Maleic acid monoisopropyl ester-vinyl methyl ether copolymer   | 4B |
| 31394-71-5 | Polypropylene glycol monooleate  | 4B |
| 31800-88-1 | Octyloxypoly(ethyleneoxy)ethyl phosphate   | 4B |
| 32649-30-2 | 2- Butenedioic acid (Z)-, polymer with ethenol, sodium salt  | 4B |
| 36347-52-1 | Ethanaminium, N,N,N-trimethyl-2-[(2-methyl-1-oxo-2-propenyl)oxy]-, chloride, polymer with methyl 2-methyl-2-propenoate | 4B |
| 36653-82-4 | Cetyl alcohol  | 4B |
| 37199-81-8 | Maleic anhydride, polymer with 2,4,4-trimethylpentene, sodium salt   | 4B |
| 37280-82-3 | Polyoxyethylene polyoxypropylene phosphate   | 4B |
| 37286-64-9 | Polyoxypropylene monomethyl ether  | 4B |
| 37340-60-6 | Nonylphenol, ethoxylated, phosphate ester, sodium salt   | 4B |
| 37764-25-3 | N,N- Diallyl-2,3-dichloroacetamide   | 4B |
| 39362-51-1 | Oxirane, methyl-, polymer with oxirane, acetate  | 4B |
| 39464-64-7 | Dinonylphenol, ethoxylated, phosphated   | 4B |
| 41444-50-2 | Octyl glucoside  | 4B |
| 41444-55-7 | Decyl glucoside  | 4B |
| 41487-53-0 | Propenoic acid, 2-methyl-, polymer with ethyl 2- 2- propenoate, sodium salt  | 4B |
| 41928-09-0 | Polyethylene glycol ether with 2,2'-methylenebis(4-(tert-octyl)phenol) (2:1)   | 4B |
| 50769-39-6 | Butylpolyethoxyethanol esters of phosphoric acid   | 4B |
| 51192-09-7 | Polyoxyethylene glycerin monooleate  | 4B |
| 51609-41-7 | 4- Nonylphenol, ethoxylated, phosphate ester   | 4B |
| 51617-79-9 | Polyoxyethylene octadecylpheno   | 4B |
| 51811-79-1 | Nonylphenol, ethoxylated, phosphate ester  | 4B |

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

|            |   |    |
|------------|---|----|
| 52503-15-8 | Polyethylene glycol nonylphenyl ether phosphate potassium salt  | 4B |
| 52558-73-3 | Glycine, N-methyl-N-(1-oxotetradecyl)-  | 4B |
| 52831-04-6 | Acrylic acid-alpha-methylstyrene-styrene copolymer  | 4B |
| 53504-41-9 | Polyurethane  | 4B |
| 54116-08-4 | Sodium tridecylpoly(oxyethylene) sulfate  | 4B |
| 54549-23-4 | D- Glucoside, octyl   | 4B |
| 55069-68-6 | Polyethylene glycol hexaether with sorbitol, diester with dodecanoic and oleic acids                          | 4B |
| 55989-05-4 | Propenoic acid, 2-methyl-, polymer with ethyl 2-propenoate and methyl 2-methyl-2-propenoate, 2- ammonium salt | 4B |
| 56090-69-8 | Oxirane, methyl-, polymer with oxirane, monoacetate, 2-propenyl ether   | 4B |
| 56388-96-6 | Poly(oxyethylene)tridecylacetic acid  | 4B |
| 57171-56-9 | Polyoxyethylene sorbitol hexaoleate   | 4B |
| 57451-03-3 | Nonylphenol, ethoxylated, monoether with sulfuric acid, triethanolamine salt                                  | 4B |
| 58128-22-6 | Octadecanoic acid, 12-hydroxy-, homopolymer, octadecanoate  | 4B |
| 58846-77-8 | N-Decyl glucoside   | 4B |
| 59139-23-0 | Polyethylene glycol nonylphenyl ether phosphate ethanolamine salt   | 4B |
| 59766-31-3 | Potassium titanium oxide (K <sub>2</sub> Ti <sub>8</sub> O <sub>17</sub> )                                    | 4B |
| 59800-21-4 | Poly(oxy-1,2-ethanediyl), alpha-hydro-omega-hydroxy-, ether with D-glucitol (6:1), (z)-9-octadecenoate        | 4B |
| 59947-99-8 | beta-D- Glucoside, decyl  | 4B |
| 60092-15-1 | Maleic anhydride-methylstyrene copolymer, sodium salt   | 4B |
| 60828-78-6 | Polyoxyethylene 2,6,8-trimethyl-4-nonyl ether   | 4B |
| 60864-33-7 | Benzyl ether of 1,1,3,3-tetramethylbutylphenoxypolyethoxy ethanol   | 4B |
| 60874-89-7 | Polyethylene glycol ether with methylenebis(diampylphenol)  | 4B |
| 61725-89-1 | Oxirane methyl-, polymer with oxirane, tridecyl ether   | 4B |
| 61788-60-1 | Methyl esters of cottonseed oil   | 4B |
| 61789-14-8 | Glycerides, tallow sesqui-, hydrogenated  | 4B |
| 61789-30-8 | Potassium coconut oil soap  | 4B |
| 61790-37-2 | Fatty acids, tallow   | 4B |
| 61790-38-3 | Fatty acids, tallow, hydrogenated   | 4B |
| 61790-90-7 | Fatty acids, tall-oil, hexaester with sorbitol, ethoxylated   | 4B |
| 61790-92-9 | Fatty acids, tall-oil, pentaester with sorbitol, ethoxylated  | 4B |
| 61791-12-6 | Castor oil, ethoxylated   | 4B |
| 61791-23-9 | Soybean oil, ethoxylated  | 4B |
| 61791-26-2 | Amines, tallow alkyl, ethoxylated   | 4B |
| 61791-31-9 | N,N- Bis(2-hydroxyethyl)(coconut oil alkyl)amine  | 4B |
| 61824-34-8 | Polyoxyethylene sorbitol pentaoleate  | 4B |

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

|            |  |    |
|------------|--|----|
| 61827-84-7 | Oxirane, methyl-, polymer with oxirane, octyl ether  | 4B |
| 61916-40-3 | Ethylenediaminetetraacetic acid (EDTA) disodium copper(II)   | 4B |
| 62386-95-2 | Methyl vinyl ether-maleic acid copolymer calcium sodium salt   | 4B |
| 63089-86-1 | Polyoxyethylene sorbitol tetraoleate   | 4B |
| 63148-62-9 | Silicones and siloxanes, dimethyl  | 4B |
| 63150-03-8 | Propenoic acid, 2-methyl-, dodecyl ester, polymer with eicosyl 2-methyl-2-propenoate, hexadecyl 2-methyl-2-propenoate, octadecyl 2-methyl-2-propenoate, pentadecyl 2-methyl-2-propenoate, tetradecyl 2-methyl-2-propenoate 2- and tridecyl 2-methyl-2-propenoate | 4B |
| 63231-81-2 | Poly(vinylpyrrolidone-1-hexadecene)  | 4B |
| 63393-89-5 | Coumarone - indene resin   | 4B |
| 63428-83-1 | Polyamide resins   | 4B |
| 63705-03-3 | Polyglycerol diisostearate   | 4B |
| 63744-68-3 | Butyl acrylate-ethyl acrylate-methacrylic acid-methyl methacrylate-styrene copolymer   | 4B |
| 63798-35-6 | Starch acetate adipate   | 4B |
| 64754-90-1 | Chlorinated polyethylene   | 4B |
| 65405-40-5 | Butyl acrylate-vinyl acetate-acrylic acid copolymer  | 4B |
| 65501-24-8 | Ethyldiaminetetraacetic acid (EDTA) tripotassium salt, dihyd   | 4B |
| 65996-63-6 | Starch, acid-hydrolyzed  | 4B |
| 65997-15-1 | Cement, portland, chemicals  | 4B |
| 66070-75-5 | Fatty acids, tall-oil, polymers with bisphenol A and epichlorohydrin   | 4B |
| 66070-87-9 | Polyglyceryl phthalate ester of coconut oil fatty acid   | 4B |
| 66071-03-2 | Linseed oil, polymd., oxidized   | 4B |
| 66071-16-7 | Soybean oil, polymer with maleic anhydride   | 4B |
| 66071-94-1 | Corn, steep liquor   | 4B |
| 66402-68-4 | Metakaolin   | 4B |
| 67401-50-7 | Ethylenediaminetetraacetic acid (EDTA), tetrasodium salt, t  | 4B |
| 67674-67-3 | Poly(oxy-1,2-ethanediyl), .alpha.-3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl]propyl]-omega.-hydroxy-  | 4B |
| 67701-08-0 | Fatty acids, C16-18 and C18-unsatd   | 4B |
| 67701-09-1 | Potassium salts of fatty acids (C8-18 and C18 unsatd.)   | 4B |
| 67701-10-4 | Soap: (Fatty acids, C8-18 and C18-unsatd., sodium salts)   | 4B |
| 67746-08-1 | Linseed oil, polymd.   | 4B |
| 67761-98-2 | Fatty acids, tall-oil, polymer with ethylene glycol, pentaerythritol, and phthalic anhydride   | 4B |
| 67762-09-8 | Soybean oil, polymer with ethylene glycol, glycerol, pentaerythritol and phthalic anhydride  | 4B |
| 67762-38-3 | Fatty acids, C16-18 & C18-unsatd., Me esters   | 4B |
| 67762-87-2 | Siloxanes and silicones, di-Me, 3-hydroxypropyl Me, ethers with polyethylene-polypropylene glycol  | 4B |
| 67762-90-7 | Dimethyl silicone polymer with silica  | 4B |
| 67762-96-3 | Siloxanes and silicones, di-Me, hydroxy-terminated, ethers with polypropylene glycol mono-Bu ether   | 4B |
| 67922-57-0 | Polyethylene glycol nonylphenyl ether phosphate magnesium salt   | 4B |

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

|            |  |    |
|------------|--|----|
| 68002-20-0 | Triazine-2,4,6-triamine, polymer with formaldehyde,<br>1,3,5- methylated                               | 4B |
| 68002-70-0 | Glycerides, C16-22   | 4B |
| 68037-40-1 | Furandione, polymer with ethylbenzene, sulfonated,<br>2,5- sodium salt (CA INDEX NAME)                 | 4B |
| 68037-62-7 | Siloxanes and silicones, di-Me, Me hydrogen, reaction<br>products with polyethylene glycol monoacetate | 4B |
| 68038-31-3 | Fatty acids, tall-oil, polymers with pentaerythritol, phthalic<br>anhydride and rosin                  | 4B |
| 68071-54-5 | Castor oil, dehydrated, polymer with p-tert-butylbenzoic<br>acid, glycerol and phthalic anhydride      | 4B |
| 68130-47-2 | Poly(oxy-1,2-ethanediyl), alpha-hydro-omega-hydroxy-<br>mono-C8-10-alkyl ethers, phosphates            | 4B |
| 68131-29-3 | Soybean oil, polymer with phthalic anhydride, trimellitic<br>anhydride and trimethylolpropane          | 4B |
| 68131-40-8 | Alcohols, C11-15-secondary, ethoxylated  | 4B |
| 68152-57-8 | Rosin, fumarated, polymer with ethylene glycol and<br>pentaerythritol (CA INDEX NAME)                  | 4B |
| 68153-10-6 | Oils, lard, sulfated, sodium salts,  | 4B |
| 68154-33-6 | Fatty acids, coco, esters with sorbitan, ethoxylated-  | 4B |
| 68187-71-3 | Calcium salts of tall-oil fatty acids  | 4B |
| 68187-76-8 | Castor oil, sulfated, sodium salt  | 4B |
| 68187-84-8 | Castor oil, oxidized   | 4B |
| 68201-51-4 | Oils, menhaden, oxidized   | 4B |
| 68308-36-1 | Soybean meal   | 4B |
| 68309-49-9 | Soybean oil, polymer with isophthalic acid, linseed oil and<br>trimethylolpropane                      | 4B |
| 68333-69-7 | Rosin, maleated, polymer with pentaerythritol  | 4B |
| 68333-79-9 | Ammonium polyphosphate   | 4B |
| 68411-97-2 | Glycine, N-methyl-, N-coco acyl derivs. (CA INDEX<br>NAME) (Pending)                                   | 4B |
| 68413-17-2 | Fatty acids, tall-oil, polymers with isophthalic acid,<br>pentaerythritol and walnut oil               | 4B |
| 68424-50-0 | Fatty acids, tall-oil, C12-15-alkyl esters, sulfated, sodium<br>salts                                  | 4B |
| 68424-61-3 | Glycerides, C16-18 and C18-unsatd. mono- and di-   | 4B |
| 68425-44-5 | Amides, coco, N-(hydroxyethyl), ethoxylated  | 4B |
| 68440-66-4 | Siloxanes and silicones, di-Me, 3-hydroxypropyl Me,<br>ethers with polypropylene glycol mono-Bu ethe   | 4B |
| 68441-17-8 | Oxidized polyethylene  | 4B |
| 68458-49-1 | Polyphosphoric acids, esters with polyethylene glycol<br>nonylphenyl ether                             | 4B |
| 68476-82-4 | Peanut meal  | 4B |
| 68511-11-5 | Hexanedioic acid, polymer with 1,4-butanediol and 1,2-<br>propanediol, didodecanoate                   | 4B |
| 68513-95-1 | Soy flour  | 4B |
| 68514-61-4 | Milk, hydrolyzed   | 4B |
| 68514-75-0 | Oils, orange-juice   | 4B |
| 68525-90-6 | Fatty acids, C8-18, esters with sorbitol, ethoxylated  | 4B |
| 68526-94-3 | Alcohols, C12-20, ethoxylated  | 4B |
| 68527-08-2 | Alkenes, C>10 .alpha.-, polymd.  | 4B |
| 68551-13-3 | Alcohols, C12-15, ethoxylated propoxylated   | 4B |

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

|            |   |    |
|------------|---|----|
| 68553-02-6 | Fatty acids, coco, esters with polyethylene glycol ether with glycerol (3:1)                      | 4B |
| 68554-64-3 | Siloxanes and silicones, di-Me, 3-hydroxypropyl Me, ethers with polyethylene glycol mono-Me ether | 4B |
| 68585-15-9 | Oxirane, methyl, polymer with oxirane, mono C6-C10 alkyl ethers, phosphates                       | 4B |
| 68601-19-5 | Poly(oxy-1,2-ethanediyl), .alpha.,.alpha.'-[[methyl[3-(tridecyloxy)propyl]imino]di-2,1-ethanediyl | 4B |
| 68605-57-2 | Fatty acids, tall-oil, polymers with bisphenol A, epichlorohydrin, rosin and tung oil             | 4B |
| 68608-58-2 | Whey  | 4B |
| 68611-44-9 | Silane, dichlorodimethyl-, reaction products with silica  | 4B |
| 68630-83-1 | Styrene, polymer with methacrylic acid and polyethoxylated (Z)-2-butenedioic acid                 | 4B |
| 68646-20-4 | Sorbitol tall oil fatty acid sesquiester, ethoxylated   | 4B |
| 68648-20-4 | Fatty acids, tall-oil, sesquiesters with sorbitol, ethoxylated                                    | 4B |
| 68648-89-5 | Benzene, ethenyl-, polymer with 2-methyl-1,3-butadiene, hydrogenated                              | 4B |
| 68650-09-9 | Fatty acids, tall-oil, mixed esters with glycerol and polyethylene glycol                         | 4B |
| 68650-28-2 | Polyethylene glycol-polyisobutenyl anhydride-tall oil fatty acid copolymer                        | 4B |
| 68890-80-2 | Benzene, ethenyl-, polymer with 2,5-furandione, 2-butoxyethyl ester, ammonium salt                | 4B |
| 68891-29-2 | Alcohols, C8-10, ethoxylated, monoether with sulfuric acid, ammonium salt                         | 4B |
| 68908-64-5 | Poly(oxy-1,2-ethanediyl), .alpha.-hydro-. omega.-hydroxy-, mono-C10-12-alkyl ethers, phosphates   | 4B |
| 68909-20-6 | Silanamine, 1,1,1-trimethyl-N-(trimethylsilyl)-, hydrolysis products with silica                  | 4B |
| 68917-18-0 | Cornmint oil  | 4B |
| 68919-53-9 | Fatty acids, soya, Me esters  | 4B |
| 68919-54-0 | Sunflower-oil fatty acids, Me ester   | 4B |
| 68920-66-1 | Alcohols, C16-18 and C18-unsatd., ethoxylated   | 4B |
| 68920-69-4 | Alcohols, C9-11, propoxylated   | 4B |
| 68937-55-3 | Siloxanes and silicones, di-Me, 3-hydroxypropyl Me, ethoxylated propoxylated                      | 4B |
| 68938-54-5 | Siloxanes and silicones, di-Me, 3-hydroxypropyl Me, ethers with polyethylene glycol mono-Me ether | 4B |
| 69011-22-9 | Benzene, diethenyl-, polymer with etenylbenzene and ethenylethylbenzene, sulfonated, sodium salts | 4B |
| 69227-21-0 | Alcohols, C12-18, ethoxylated propoxylated  | 4B |
| 69364-63-2 | Poly(oxy-1,2-ethanediyl), alpha-isohehexadecyl-omega-hydroxy-                                     | 4B |
| 69669-25-6 | Potassium salts of fatty acids (C12-C20)  | 4B |
| 70131-50-9 | Clay  | 4B |
| 70142-34-6 | 12- Hydroxystearic acid-polyethylene glycol copolymer   | 4B |
| 70425-89-7 | Isooctyl acrylate-stearyl methacrylate-acrylic acid copolymer                                     | 4B |
| 70549-17-6 | Butyl acrylate-2-ethylhexyl acrylate-2-hydroxyethyl acrylate-styrene copolymer                    | 4B |

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|            |  |    |
|------------|--|----|
| 70632-06-3 | Alcohols, C12-15, ethoxylated, carboxylated, sodium salts  | 4B |
|            | Propenoic acid, 2-methyl-, polymer with butyl 2-methyl-2-propenoate, ethenylbenzene, 2-ethylhexyl 2-propenoate |    |
| 71394-17-7 | 2- and methyl 2--methyl-2-propenoate   | 4B |
| 71526-07-3 | 1- Oxa-4-azaspiro[4.5]decane, 4-(dichloroacetyl)-  | 4B |
|            | Castor oil, maleic anhydride, and polyethylene glycol  |    |
| 71820-36-5 | copolymer  | 4B |
| 72869-69-3 | Oils, apricot  | 4B |
|            | Poly(oxy-1,2-ethanediyl), alpha-isotridecyl-omega-hydroxy-   |    |
| 73038-25-2 | , phosphate  | 4B |
|            | Poly(oxy-1,2-ethanediyl),.alpha.-  |    |
|            | (butoxyhydroxyphosphinyl)-.omega.-hydroxy-,C13-15-alkyl  |    |
| 73050-07-4 | ethers,sodium salts  | 4B |
|            | Poly(oxy-1,2-ethanediyl), .alpha.,.alpha.'-  |    |
|            | phosphinicobis[.omega.-hydroxy-, di-C13-15-alkyl ethers,   |    |
| 73050-08-5 | sodium salts   | 4B |
|            | Poly(oxy-1,2-ethanediyl),.alpha.-phosphono-.omega.-  |    |
| 73050-09-6 | hydroxy-,C13-15-alkyl ethers, disodium salts   | 4B |
| 73513-47-0 | Ethyldiaminetetraacetic acid (EDTA) disodium zinc salt, di   | 4B |
| 73637-19-1 | Ethyldiaminetetraacetic acid (EDTA) disodium copper (II) sa  | 4B |
| 73637-20-4 | Ethyldiaminetetraacetic acid (EDTA) disodium manganese   | 4B |
| 73891-99-3 | Rape oil, Me ester   | 4B |
| 74504-64-6 | 1,2,3- Propanetriol, homopolymer, dodecanoate  | 4B |
|            | Poly[oxy(methyl-1,2-ethanediyl)],.alpha.-(1-oxopropyl)-  |    |
| 74775-06-7 | .omega.-(tetradecyloxy)-   | 4B |
| 74811-65-7 | Croscarmellose sodium  | 4B |
|            | Propanesulfonic acid, 2-hydroxy-3-(2-propenyloxy)-   |    |
| 78266-09-8 | 1- ,monosodium salt, polymer with 2-propenoic acid   | 4B |
|            | Poly(oxy-1,2-ethanediyl),.alpha.-hydro-.omega.-hydroxy-,   |    |
| 78330-24-2 | mono-C11-14-isoalkyl ethers, C13-rich, phosphates  | 4B |
| 84775-78-0 | Ascophyllum nodosum, ext   | 4B |
|            | Oxirane, methyl-, polymer with oxirane, mono[2-(2-   |    |
|            | butoxyethoxy) ethyl] ether   |    |
| 85637-75-8 |  | 4B |
|            | Propenoic acid, polymer with 2-hydroxypropyl 2-  |    |
| 86864-96-2 | 2- propenoate and sodium 2-propenoate  | 4B |
|            | Bis(6-isocyanatohexyl)-2H-1,3,5-oxadiazine-2,4,6   |    |
| 87823-33-4 | 3,5- (3H,5H)-trione, polymer with diethylenetriamine   | 4B |
|            | Propenoic acid, 2-methyl-.polymer with ethyl 2-propenoate  |    |
| 89511-79-5 | 2- and methyl 2-methyl-2-propenoate, sodium salt   | 4B |
|            | Acrylic acid, styrene, .alpha.-methyl styrene copolymer,   |    |
| 89678-90-0 | ammonium salt  | 4B |
| 91994-94-4 | Acetylated lanolin alcohol   | 4B |
| 97043-91-9 | Alcohols, C9-16, ethoxylated   | 4B |
| 97675-81-5 | Fish meal  | 4B |
| 97676-23-8 | Licorice extract (licorice and licorice derivates)   | 4B |
| 97765-70-3 | Cheese   | 4B |
| 97766-30-8 | Orange, sweet, valencia, ext.  | 4B |

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

|             |   |    |
|-------------|---|----|
| 97953-25-8  | Acrylic acid-sodium acrylate-sodium-2-methylpropanesulfonate copolymer  | 4B |
| 99607-70-2  | Acetic acid, [(5-chloro-8-quinolinyl)oxy]-, 1-methylhexyl ester (9CI)   | 4B |
| 99734-09-5  | Polyethylene glycol mono(tristyrylphenyl)ether  | 4B |
| 100403-38-1 | Glycerides, animal, reaction products with sucrose  | 4B |
| 100403-39-2 | Glycerides, palm-oil, reaction products with sucrose  | 4B |
| 100403-40-5 | Glycerides, tallow, reaction products with sucrose  | 4B |
| 100403-41-6 | Glycerides, vegetable-oil, reaction products with sucrose   | 4B |
| 100934-04-1 | Methacrylic acid-methyl methacrylate-polyethylene glycol methyl ether methacrylate copolymer  | 4B |
| 102900-02-7 | Poly(oxyethylene/oxypropylene) monoalkyl(C6-C10)ether sodium fumarate adduct  | 4B |
| 104133-09-7 | Tetraethoxysilane, polymer with hexamethyldisiloxane  | 4B |
| 105362-40-1 | Triethanolamine, compd. with poly(oxyethylene) tristyrylphenyl ether phosphate  | 4B |
| 108419-34-7 | Acetic acid, C9-11-branched alkyl esters, C10-rich  | 4B |
| 109961-42-4 | Propenenitrile, polymer with 1,2,4-triethenylcyclohexane, 2- hydrolyzed   | 4B |
| 114033-68-0 | Propenoic acid, polymer with 2-propanol, reaction products with sodium acrylate   | 4B |
|             | Hexanedioic acid, polymer with N-(2-aminoethyl)-1,3-propanediamine, aziridine, (chloromethyl)oxirane, 1,2-ethanediamine, N,N"-1,2-ethanediylbis[1,3-propanediamine], formic acid and .alpha.-hydro.omega.-hydroxypoly(oxy-1,2-ethanediyl) |    |
| 114133-44-7 | Siloxanes and silicones, 3-hydroxypropyl Me, ethers with polyethylene glycol mono-Me ether  | 4B |
| 117272-76-1 | Poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-[tris(1-phenylethyl)phenoxy]- ammonium salt   | 4B |
| 119432-41-6 |   |    |
| 119724-54-8 | Methyl methacrylate-methacrylic acid-monomethoxypolyethylene glycol methacrylate copolymer  | 4B |
| 121776-33-8 | 3-( Dichloroacetyl)-5-(2-furanyl)-2,2-dimethyloxazolidine   | 4B |
| 125303-89-1 | Castor oil, hydrogenated, polymer with adipic acid, ethylenediamine and 12-hydroxyoctadecanoic acid   | 4B |



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|             |  |    |
|-------------|--|----|
| 125826-44-0 | Hexanedioic acid, polymer with 2,2-dimethyl-1,3-propanediol, 1,6-hexanediol, hydrazine, 3-hydroxy-2-(hydroxymethyl)-2-methylpropanoic acid and 1,1'-methylenebis[4-isocyanatocyclohexane], compd. with N,N-diethylethanamine | 4B |
| 125997-17-3 | Poly(oxy-1,2-ethandiyl),.alpha.-acetyl-.omega.-[3-{1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl]propoxy)-  | 4B |
| 127036-24-2 | Poly(oxy-1,2-ethandiyl),.alpha.-undecyl-.omega.-hydroxy-, branched and linear  | 4B |
| 128446-33-3 | 1-alpha- Cyclodextrin, 2-hydroxypropyl ethers  | 4B |
| 128497-20-1 | Oils, Macadamia  | 4B |
| 130353-60-5 | Acrylic acid - divinyl benzene copolymer   | 4B |
| 130498-22-5 | Wheat flour  | 4B |
| 132175-04-3 | Polyethylene glycol-polyisobutenyl anhydride-tall oil fatty acid copolymer   | 4B |
| 132538-94-4 | Oils, orange-juice, citrus sinensis  | 4B |
| 132580-45-1 | Alpha- Tris[1-(phenyl)ethyl]phenyl]-omega-[2,4,6- hydroxypoly(oxyethylene)poly(oxypropylene) copolymer   | 4B |
| 134180-76-0 | Oxirane, methyl-, polymer with oxirane, mono[3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl]propyl] ether   | 4B |
| 135590-91-9 | Diethyl-1-(2,4-dichlorophenyl)-5-methyl-2-pyrazolin-3,5-dicarboxylate  | 4B |
| 137091-12-4 | Acetic acid ethenyl ester, polymer with ethanol and alpha-2-propenyl-omega-hydroxypoly(oxy-1,2-ethandiyl)  | 4B |
| 139871-83-3 | 2- Butenedioic acid (Z), polymer with ethenol and ethenyl acetate, sodium salt   | 4B |
| 143819-63-0 | Poly(oxy-1,2-ethandiyl), .alpha.-hydro-.omega.-hydroxy-, monoether with (hydroxymethyl)decane  | 4B |
| 151006-66-5 | Acrylic acid terpolymer, partial sodium salt   | 4B |
| 154518-36-2 | Alcohols, C9-11-iso-, C10-rich, ethoxylated propoxylated   | 4B |
| 162627-18-1 | Fatty acids, C18-unsatd., trimers, reaction products with triethylenetetramine   | 4B |
| 163436-84-8 | Polyoxyethylene tristerylphenol phosphate, potassium salt  | 4B |
| 163520-33-0 | 3- Isoxazolecarboxylic acid, 4,5-dihydro-5,5-diphenyl-, ethyl ester  | 4B |
| 176022-82-5 | Poly[oxy(methyl-1,2-ethandiyl)],.alpha.-[2-[bis(2-hydroxyethyl)amino]propyl]-.omega.-hydroxy-, ether with.alpha.-hydro-.omega.-hydroxypoly(oxy-1,2-ethandiyl) (1:2), mono-C12-16-alkyl ethers                                | 4B |
| 188027-78-3 | 5H-1,3- Dioxolo[4,5-f]benzimidazole, 6-chloro-5-[(3,5-dimethyl-4-isoxazolyl)sulfonyl]-2,2-difluoro   | 4B |
| 374602-90-1 | Ashes (residues), sunflower seed hull  | 4B |

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

|  |        |
|--|--------|
| Crustacea (raw and processed forms)  | 4B     |
| Dried crickets   | 4B     |
| Dried mealworms  | 4B     |
| Eggs (raw and processed forms)   | 4B     |
| Fish (raw and processed forms)   | 4B     |
| Ground grass seed  | 4B     |
| Leaves, apple  | 4B     |
| Milk (raw and processed forms)   | 4B     |
| Nitrogen fixing bacteria   | 4B     |
| Peanut shells  | 4B     |
| Peanuts (raw and processed forms)  | 4B     |
| Pecan shell flour  | 4B     |
| Polymer of n-butyl acrylate, methyl methacrylate,<br>methacrylic acid and aminopropyl methacrylate | 4B     |
| Sand   | 4B     |
| Seeds, lettuce   | 4B     |
| Silkworm pupae   | 4B     |
| Soybeans (raw and processed forms)   | 4B     |
| Sulfur Coated Urea   | 4B     |
| Thumb tacks  | 4B     |
| Tree nuts (raw and processed forms)  | 4B     |
| Wood flour   | 4B     |
| Wheat (raw and processed forms)  | LISTNO |