

Guidance for Cleaning Schools During COVID-19 Outbreak

The U.S. Environmental Protection Agency (EPA) has released a list of disinfectants approved to reduce the spread of COVID-19. Please visit the [EPA's website](#) for additional details.

Included here is a flowchart (Page 2) from the Healthy Schools Act that can assist in determining which products to use. If the product is a disinfectant, it is exempt from the notification, posting, reporting and Integrated Pest Management requirements, but the training requirements are still in effect.

Only properly trained staff should conduct the cleaning operations to be compliant with California state law. Under no circumstances should cleaning or disinfecting be assigned to students.

Each product will differ in its requirements for personal protective equipment (PPE), but those requirements should be followed. For example, if the package of disinfecting wipes says that the user should wear gloves, provide disposable or reusable rubber gloves to all staff using the wipes. Hand sanitizers and antimicrobial soaps are also exempt from these regulations. This [fact sheet](#) may be useful in explaining the difference.

The Centers for Disease Control (CDC) has released [cleaning and disinfection recommendations](#) for schools and community organizations. These recommendations can be found on the CDC website. Also available from the CDC is general guidance for schools for the [prevention of infectious disease transmission](#).

Additional Resources:

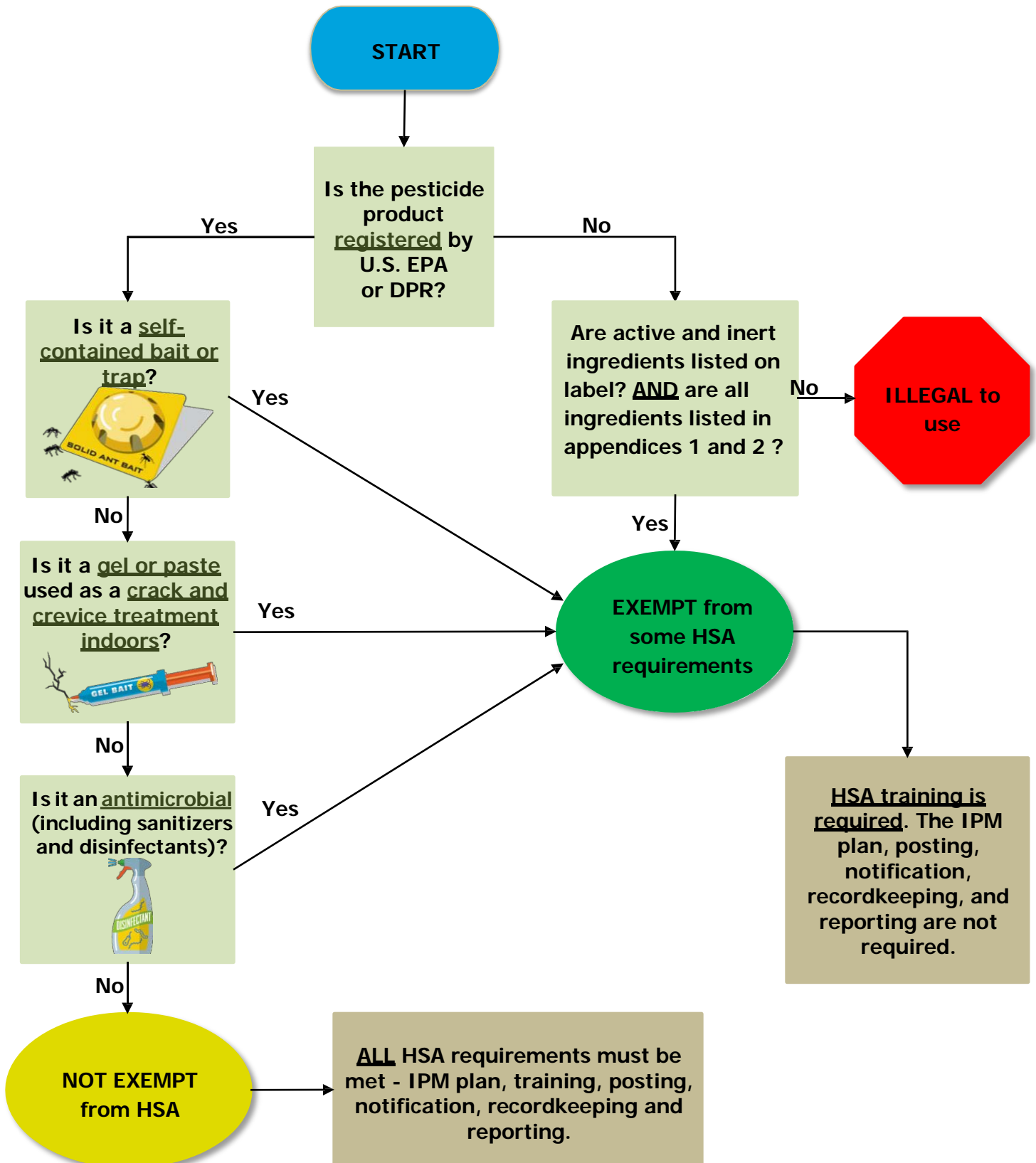
[CDC](#)

[United States Environmental Protection Agency](#)

[California Department of Pesticide Regulation](#)

Are You Using A Lower-Risk Product?

The **Healthy Schools Act** exempts some products because they are reduced risk or are used for health and safety purposes. Take a step to shape healthier schools by following the flow chart!



Information continued on next page

Supplemental Information

- **Registered product:** A product is registered if you see the “EPA Reg. No.” or “CA Reg. No.” on the label.
- **Self-contained bait/trap:** Since the law does not specify a definition, determining whether a bait or trap is “self-contained” is the responsibility of the user. When making this determination, consider whether the self-contained bait/trap is child-resistant and tamperproof.
- **“Gel or paste”:** refers to formulation type.
- **Crack and crevice treatment:** The application of small quantities of a pesticide consistent with labeling instructions in a building into openings. See California Education Code, Section 17609 (b).
- **Antimicrobial:** Pesticides intended to disinfect, sanitize or reduce growth of microbiological organisms; or protect inanimate objects or surfaces from contamination or deterioration. See U.S. Code, Title 7, Chapter 2, Subchapter II, § 136.
- **Integrated pest management:** IPM focuses on long-term prevention of pests or their damage by combining management methods to reduce or eliminate risks to human health, beneficial and non-target organisms and the environment. Pesticides are used only after monitoring indicates they are needed according to the established guidelines.

Exemptions notwithstanding, DPR recommends that schools and child care centers keep complete records of all pest management activities as part of a sound integrated pest management program.

For more details about pesticides exempt from registration or if one or some of the ingredients are not listed in these appendices and you believe the product is not illegal to use as a pesticide, check the California Code of Regulations (CCR), Code of Federal Regulations (CFR) and Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), and additional references below and on the appendices:

Code	Explanation
CCR § 6147	Exempt products in California Code of Regulations
CFR § 180.950	Exempt products in Code of Federal Regulations
FIFRA 25(b)	Exempt products from federal registration
CFR § 152.25	Exemptions from pesticides of a character not requiring FIFRA regulation. *Note: the items listed in CFR § 152.25 may not be included in the appendices as many require conditions.
Education Code § 17610.5	Exempt products from some HSA requirements

Contact the Department of Pesticide Regulation at school-ipm@cdpr.ca.gov for any questions.

APPENDIX 1: Exempt Active Ingredients

Active Ingredients Allowed in Exempted Pesticide Products under FIFRA 25(b) and the California Code of Regulations (CCR) § 6147

CAS #	Chemical Name	CAS #	Chemical Name
8001-79-4	Castor oil (U.S.P. or equivalent)	6915-15-7	Malic acid ¹
N/A	Cedar oil ¹	N/A	Mint
N/A	Cinnamon	N/A	Mint oil ¹
N/A	Cinnamon oil ¹	N/A	Peppermint ²
77-92-9	Citric acid ¹	8006-90-4	Peppermint oil ^{1,2}
N/A	Citronella (non-topical uses only)	122-70-3	2-Phenethyl propionate ¹
8000-29-1	Citronella oil (non-topical uses only)	122-70-3	2-phenylethyl propionate ¹
N/A	Cloves ²	590-00-1	Potassium sorbate ¹
8000-34-8	Clove oil ^{1,2}	N/A	Putrescent whole egg solids
N/A	Corn gluten meal	N/A	Rosemary ²
8001-30-7	Corn oil	8000-25-7	Rosemary oil ^{1,2}
N/A	Cottonseed oil	N/A	Sesame (includes ground sesame plant)
N/A	Dried blood	8008-74-0	Sesame oil
97-53-0	Eugenol ^{1,2}	7647-14-5	Sodium chloride (common salt)
N/A	Garlic	151-21-3	Sodium lauryl sulfate ^{1,2}
8008-99-9	Garlic oil ¹	8001-22-7	Soybean oil
106-24-1	Geraniol ²	N/A	Thyme ²
8000-46-2	Geranium oil ²	8007-46-3	Thyme oil ^{1,2}
N/A	Lauryl sulfate ¹	N/A	White pepper ¹
8007-02-1	Lemongrass oil ¹	7440-66-6	Zinc metal strips (consisting solely of zinc metal and impurities)
8001-26-1	Linseed oil		

¹ Products containing 8.5% or more of this active ingredient in the formulated product must at a minimum bear the signal word "CAUTION," the phrase "Keep Out of Reach of Children," appropriate precautionary language, and a requirement for appropriate protective eyewear and gloves.

² Products containing this active ingredient intended for topical application to human skin must at a minimum bear the signal word "CAUTION," the phrase "Keep Out of Reach of Children," a dermal sensitization precautionary statement, a prohibition against application to the hands of children, and use directions requiring adult supervision during application to children.

The list above was generated using the following resources:

- 3 CCR § 6147
- 40 CFR § 152.25 (f)

If an active ingredient in your product is not included on the list above, please consult the most recent ingredient lists and reference materials, which can be found at the following websites:

- U.S. EPA Minimal Risk Pesticides Web page:
http://www.epa.gov/pesticides/biopesticides/regtools/25b_list.htm#activeingredients
- California Code of Regulations § 6147 at:
<http://www.cdpr.ca.gov/docs/legbills/calcode/25.htm>

APPENDIX 2: Exempt Inert (inactive) Ingredients

Includes ingredients from: FIFRA List 4A "Minimal Risk Inerts" and 40 CFR 180.950

Exempt Inert Ingredients

CAS #	Chemical Name	CAS #	Chemical Name
5743-26-0	Acetic acid, calcium salt, monohydrate [Calcium acetate monohydrate]	7585-39-9	beta-cyclodextrin
127-08-2	Acetic acid, potassium salt [Potassium acetate]	68409-75-6	Bone meal
127-09-3	Acetic acid, sodium salt [Sodium acetate]	N/A	Bran
77-90-7	Acetyl tributyl citrate [Citric acid, 2-(acetyloxy)-, tributyl ester]	N/A	Bread crumbs
9002-18-0	Agar	34451-19-9	(+)-Butyl lactate [Lactic acid, n-butyl ester, (S)]
N/A	Almond hulls	138-22-7	Butyl lactate [Lactic acid, n-butyl ester]
N/A	Almond shells	123-95-5	Butyl stearate [Octadecanoic acid, butyl ester]
10016-20-3	alpha-cyclodextrin	57455-37-5	C.I. pigment blue 29 [Ultramarine blue]
1327-36-2	Aluminatesilicate	N/A	Calcareous shale
1327-43-1	Aluminum magnesium silicate [Silicic acid, aluminum magnesium salt]	13397-26-7	Calcite (Ca(CO ₃))
12736-96-8	Aluminum potassium sodium silicate [Silicic acid, aluminum potassium sodium salt]	62-54-4	Calcium acetate
1335-30-4	Aluminum silicate	5743-26-0	Calcium acetate monohydrate [Acetic acid, calcium salt, monohydrate]
1344-00-9	Aluminum sodium silicate [Silicic acid, aluminum sodium salt]	2090-05-3	Calcium benzoate [Benzoic acid, calcium salt]
12003-51-9	Aluminum sodium silicate (1:1:1) [Silicic acid (H ₄ SiO ₄), aluminum sodium salt (1:1:1)]	471-34-1	Calcium carbonate
1863-63-4	Ammonium benzoate [Benzoic acid, ammonium salt]	7693-13-2	Calcium citrate [Citric acid, calcium salt]
1002-89-7	Ammonium stearate [Octadecanoic acid, ammonium salt]	6107-56-8	Calcium octanoate
113894-85-	Amylopectin, acid-hydrolyzed, 1-octenylbutanedioate	12168-85-3	Calcium oxide silicate (Ca ₃ O(SiO ₄))
125109-81-	Amylopectin, hydrogen 1-octadecenylbutanedioate	1344-95-2	Calcium silicate [Silicic acid, calcium salt]
N/A	Animal glue	1592-23-0	Calcium stearate [Octadecanoic acid, calcium salt]
N/A	Anise	7778-18-9	Calcium sulfate
N/A	Apple pomace	10101-41-4	Calcium sulfate dihydrate
50-81-7	L-Ascorbic acid [Vitamin C]	10034-76-1	Calcium sulfate hemihydrate
137-66-6	Ascorbyl palmitate	N/A	Canary seed
12174-11-7	Attapulgit-type clay	7440-44-0	Carbon
N/A	Basil Beeswax	124-38-9	Carbon dioxide
8012-89-3	Bentonite	546-93-0	Carbonic acid, magnesium salt (1:1) [Magnesium carbonate]
1302-78-9	Bentonite, sodian	298-14-6	Carbonic acid, monopotassium salt [Potassium bicarbonate]
85049-30-5	Benzaldehyde, 4-hydroxy-3-methoxy-	144-55-8	Carbonic acid, monosodium salt [Sodium bicarbonate]
121-33-5	[Vanillin]	9000-11-7	Carboxymethyl cellulose [Cellulose, carboxymethyl ether]
1863-63-4	Benzoic acid, ammonium salt [Ammonium benzoate]	N/A	Cardboard
2090-05-3	Benzoic acid, calcium salt [Calcium benzoate]	8015-86-9	Carnauba wax
582-25-2	Benzoic acid, potassium salt [Potassium benzoate]	9000-40-2	Carob gum [Locust bean gum]
532-32-1	Benzoic acid, sodium salt [Sodium benzoate]	9000-07-1	Carrageenan
		9000-71-9	Caseins
		8001-79-4	Castor oil

APPENDIX 2: Exempt Inert (inactive) Ingredients

Includes ingredients from: FIFRA List 4A "Minimal Risk Inerts" and 40 CFR 180.950

CAS #	Chemical Name	CAS #	Chemical Name
8001-78-3	Castor oil, hydrogenated	6132-04-3	Citric acid, trisodium salt, dihydrate
N/A	Cat food		[Trisodium citrate dihydrate]
9004-34-6	Cellulose	6858-44-2	Citric acid, trisodium salt, pentahydrate
9004-35-7	Cellulose acetate		[Trisodium citrate pentahydrate]
9000-11-7	Cellulose, carboxymethyl ether	N/A	Citrus meal
	[Carboxymethyl cellulose]	9000-69-5	Citrus pectin
9004-32-4	Cellulose, carboxy methyl ether, sodium salt	68514-76-1	Citrus pulp
	[Sodium carboxymethyl cellulose]	N/A	Clam shells
9004-62-0	Cellulose, 2-hydroxyethyl ether	N/A	Cloves
	[Hydroxyethyl cellulose]	8002-31-1	Cocoa
9004-64-2	Cellulose, 2-hydroxypropyl ether	N/A	Cocoa shell flour
	[Hydroxypropyl cellulose]	N/A	Cocoa shells
9004-65-3	Cellulose, 2-hydroxypropyl methyl ether	8001-69-2	Cod-liver oil
	[Hydroxypropyl methyl cellulose]	68916-18-7	Coffee grounds
9004-67-5	Cellulose, methyl ether	N/A	Cookies
	[Methylcellulose]	61789-98-8	Cork
51395-75-6	Cellulose, mixture with cellulose carboxymethyl ether, sodium salt	N/A	Corn cobs
65996-61-4	Cellulose, pulp	N/A	Cotton
68442-85-3	Cellulose, regenerated	68424-10-2	Cottonseed meal
N/A	Cheese	N/A	Cracked wheat
479-61-8	Chlorophyll a	50-70-4	D-glucitol
519-62-0	Chlorophyll b		[Sorbitol]
N/A	Cinnamon	26402-22-2	Decanoic acid, monoester with 1,2,3-propanetriol
77-92-9	Citric acid	9004-53-9	Dextrins
77-90-7	Citric acid, 2-(acetyloxy)-, tributyl ester	50-99-7	Dextrose
	[Acetyl tributyl citrate]	61790-53-2	Diatomaceous earth (less than 1% crystalline silica)
7693-13-2	Citric acid, calcium salt		[Kieselguhr; Diatomite]
	[Calcium citrate]	61790-53-2	Diatomite
813-94-5	Citric acid, calcium salt (2:3)		[Diatomaceous earth (less than 1% crystalline silica)]
	[Tricalcium citrate]	49553-76-6	Diglyceryl monooleate
3609-96-9	Citric acid, dipotassium salt		[9-Octadecenoic acid, ester with 1,2,3-propanetriol]
	[Dipotassium citrate]	12694-22-3	Diglyceryl monostearate
144-33-2	Citric acid, disodium salt		[9-Octadecanoic acid, monoester with oxybis(propanediol)]
	[Disodium citrate]	27638-00-2	Dilaurin
5949-29-1	Citric acid, monohydrate		[Dodecanoic acid, diester with 1,2,3-propanetriol]
866-83-1	Citric acid, monopotassium salt	108-32-7	1,3-Dioxolan-2-one, 4-methyl-
	[Monopotassium citrate]		[1,2-Propylene carbonate]
18996-35-5	Citric acid, monosodium salt	26657-95-4	Dipalmitin
	[Monosodium citrate]		[Hexadecanoic acid, diester with 1,2,3-propanetriol]
7778-49-6	Citric acid, potassium salt	3609-96-9	Dipotassium citrate
	[Potassium citrate]		[Citric acid, dipotassium salt]
77-93-0	Citric acid, triethyl ester	144-33-2	Disodium citrate
	[Triethyl citrate]		[Citric acid, disodium salt]
866-84-2	Citric acid, tripotassium salt	7727-73-3	Disodium sulfate decahydrate
	[Tripotassium citrate]	142-18-7	Dodecanoic acid, 2,3-dihydroxypropyl ester
6100-05-6	Citric acid, tripotassium salt, monohydrate		[1-Monolaurin]
	[Tripotassium citrate monhydrate]	53998-07-1	Decanoic acid, diester with 1,2,3-propanetriol
994-36-5	Citric acid, sodium salt		[Monomyristin]
	[Sodium citrate]	27215-38-9	Dodecanoic acid, monoester with 1,2,3-propanetriol
68-04-2	Citric acid, trisodium salt	16389-88-1	Dolomite
	[Trisodium citrate]	N/A	Douglas fir bark

APPENDIX 2: Exempt Inert (inactive) Ingredients

Includes ingredients from: FIFRA List 4A "Minimal Risk Inerts" and 40 CFR 180.950

CAS #	Chemical Name	CAS #	Chemical Name
N/A	Eggs	26657-95-4	Hexadecanoic acid, diester with 1,2,3-propanetriol
N/A	Eggshells		[Dipalmitin]
687-47-8	(+)-Ethyl lactate	26657-96-5	Hexadecanoic acid, monoester with 1,2,3-propanetriol
	[Lactic acid, ethyl ester (S)]		[Monopalmitin]
97-64-3	Ethyl lactate	68514-28-3	Humic acid, potassium salt
	[Lactic acid, ethyl ester]		[Potassium humate]
68476-25-5	Feldspar	1413-93-6	Humic acid
N/A	Fenugreek	68131-04-4	Humic acid, sodium salt
N/A	Fish meal		[Sodium humate]
8016-13-5	Fish oil [not conforming to 40 CFR §180.950]	68334-00-9	Hydrogenated cottonseed oil
57-48-7	Fructose	84681-71-0	Hydrogenated rapeseed oil
8031-18-3	Fuller's earth	8016-70-4	Hydrogenated soybean oil
110-17-8	Fumaric acid	9004-62-0	Hydroxyethyl cellulose
17465-86-0	gamma-cyclodextrin		[Cellulose, 2-hydroxyethyl ether]
9000-70-8	Gelatins	9004-64-2	Hydroxypropyl cellulose
71010-52-1	Gellan gum		[Cellulose, 2-hydroxypropyl ether]
68476-37-9	Glue (as depolymd. animal collagen)	9004-65-3	Hydroxypropyl methyl cellulose
56-81-5	Glycerin		[Cellulose, 2-hydroxypropyl methyl ether]
	[1,2,3-propanetriol]	8013-17-0	Invert sugar
56-81-5	Glycerol	12068-86-9	Iron magnesium oxide (Fe ₂ MgO ₄)
	[Glycerin; 1,2,3-propanetriol]	1309-37-1	Iron oxide (Fe ₂ O ₃)
111-03-5	Glycerol monooleate	12259-21-1	Iron oxide (Fe ₂ O ₃), hydrate
	[9-Octadecenoic acid (Z)-, 2,3-dihydroxypropyl ester]	1317-61-9	Iron oxide (Fe ₃ O ₄)
36354-80-0	Glyceryl dicaprylate	1345-25-1	Iron oxide (FeO)
	[Octanoic acid, diester with 1,2,3-propanetriol]	67-63-0	Isopropanol
53563-63-6	Glyceryl dimyristate		[Isopropyl alcohol]
	[Tetradecanoic acid, diester with 1,2,3-propanetriol]	67-63-0	Isopropyl alcohol
25637-84-7	Glyceryl dioleate		[2-Propanol]
	[9-Octadecenoic acid (9Z)-, diester with 1,2,3-propanetriol]	110-27-0	Isopropyl myristate
1323-83-7	Glyceryl distearate	1332-58-7	Kaolin
27214-38-6	Glyceryl monomyristate	61790-53-2	Kieselguhr
	[Tetradecanoic acid, monoester with 1,2,3-propanetriol]		[Diatomaceous earth (less than 1% crystalline silica)]
26402-26-6	Glyceryl monooleate	97-64-3	Lactic acid, ethyl ester
	[Octanoic acid, monoester with 1,2,3-propanetriol]		[Ethyl lactate]
25496-72-4	Glyceryl monooleate	687-47-8	Lactic acid, ethyl ester, (S)
	[9-Octadecenoic acid (9Z)-, monoester with 1,2,3-propanetriol]		[(+)-Ethyl lactate]
31566-31-1	Glyceryl monostearate	138-22-7	Lactic acid, n-butyl ester
	[Octadecanoic acid, monoester with 1,2,3-propanetriol]		[Butyl lactate]
11099-07-3	Glyceryl stearate	34451-19-9	Lactic acid, n-butyl ester, (S)
	[Octadecanoic acid, ester with 1,2,3-propanetriol]		[(+)-Butyl lactate]
N/A	Granite	63-42-3	Lactose
N/A	Grape pumice	64044-51-5	Lactose monohydrate
7782-42-5	Graphite	8006-54-0	Lanolin Latex
9000-30-0	Guar gum	N/A	rubber Lauric
9000-01-5	Gum arabic	143-07-7	acid Lecithins
9000-65-1	Gum tragacanth	8002-43-5	Lecithins, soya
13397-24-5	Gypsum	8030-76-0	[Soya lecithins]
1317-60-8	Hematite (Fe ₂ O ₃)		Licorice extract
N/A	Herbs, food commodity	68916-91-6	Lime (chemical) dolomitic
57-10-3	Hexadecanoic acid	12001-27-3	Limestone
	[Palmitic acid]	1317-65-3	Linseed oil
		8001-26-1	

APPENDIX 2: Exempt Inert (inactive) Ingredients

Includes ingredients from: FIFRA List 4A "Minimal Risk Inerts" and 40 CFR 180.950

CAS #	Chemical Name	CAS #	Chemical Name
9000-40-2	Locust bean gum (Carob gum)	557-04-0	Octadecanoic acid, magnesium salt [Magnesium stearate]
553-70-8	Magnesium benzoate	31566-31-1	Octadecanoic acid, monoester with 1,2,3-propanetriol [Glyceryl monostearate]
546-93-0	Magnesium carbonate [Carbonic acid, magnesium salt (1:1)]	593-29-3	Octadecanoic acid, potassium salt [Potassium stearate]
1309-48-4	Magnesium oxide	36354-80-0	Octanoic acid, diester with 1,2,3-propanetriol [Glyceryl dicaprylate]
12207-97-5	Magnesium oxide silicate (Mg ₃ O(Si ₂ O ₅) ₂), monohydrate	26402-26-6	Octanoic acid, monoester with 1,2,3-propanetriol [Glyceryl monoctanoate]
1343-88-0	Magnesium silicate Magnesium	764-71-6	Octanoic acid, potassium salt
1343-90-4	silicate hydrate Magnesium silicon	1984-06-1	Octanoic acid, sodium salt
14987-04-3	oxide (Mg ₂ Si ₃ O ₈) Magnesium	822-16-2	Octadecanoic acid, sodium salt [Sodium stearate]
557-04-0	stearate [Octadecanoic acid, magnesium salt]	557-05-1	Octadecanoic acid, zinc salt [Zinc stearate]
7487-88-9	Magnesium sulfate	12694-22-3	9-Octadecanoic acid, monoester with oxybis(propanediol) [Diglyceryl monostearate]
10034-99-8	Magnesium sulfate heptahydrate	25637-84-7	9-Octadecenoic acid (9Z)-, diester with 1,2,3-propanetriol [Glyceryl dioleate]
6915-15-7	Malic acid	25496-72-4	9-Octadecenoic acid (9Z)-, monoester with 1,2,3-propanetriol [Glyceryl monooleate]
8002-48-0	Malt extract	71012-10-7	9-Octadecenoic acid (9Z)-, monoester with tetraglycerol [Tetraglyceryl monooleate]
N/A	Malt flavor	143-18-0	9-Octadecenoic acid (9Z)-, potassium salt [Potassium oleate]
9050-36-6	Maltodextrin	111-03-5	9-Octadecenoic acid (Z)-, 2,3-dihydroxypropyl ester [Glycerol monooleate]
N/A	Meat meal [As described in 40 CFR §180.950(b)]	7492-30-0	9-Octadecenoic acid, 12-hydroxy-, monopotassium salt, (9Z,12R)- [Potassium ricinoleate]
9004-67-5	Methylcellulose [Cellulose, methyl ether]	5323-95-5	9-Octadecenoic acid, 12-hydroxy-, monosodium salt,(9Z,12R)- [Sodium ricinoleate]
12003-38-2	Mica	49553-76-6	9-Octadecenoic acid, ester with 1,2,3-propanetriol [Diglyceryl monooleate]
12001-26-2	Mica-group minerals	1592-23-0	Octadecanoic acid, calcium salt [Calcium stearate]
8049-98-7	Milk	8007-69-0	Oils, almond
N/A	Millet seed	68917-73-7	Oils, wheat
8012-95-1	Mineral oil (U.S.P.)	112-80-1	Oleic acid
142-18-7	1-Monolaurin [Dodecanoic acid, 2,3-dihydroxypropyl ester]	N/A	Oyster shells
589-68-4	1-Monomyristin [Tetradecanoic acid, 2,3-dihydroxypropyl ester]	8002-75-3	Palm oil
53998-07-1	Monomyristin [Decanoic acid, diester with 1,2,3-propanetriol]	68514-74-9	Palm oil, hydrogenated
26657-96-5	Monopalmitin [Hexadecanoic acid, monoester with 1,2,3-propanetriol]	57-10-3	Palmitic acid [Hexadecanoic acid]
866-83-1	Monopotassium citrate [Citric acid, monopotassium salt]	N/A	Paper
18996-35-5	Monosodium citrate [Citric acid, monosodium salt]	8002-74-2	Paraffin wax
1318-93-0	Montmorillonite	N/A	Peanut butter
544-63-8	Myristic acid	N/A	Peanut shells
37244-96-5	Nepheline syenite	N/A	Peanuts
7727-37-9	Nitrogen	N/A	Peat moss
N/A	Nutria meat Nylon	9000-69-5	Pectin
N/A	Octadecanoic acid [Stearic acid]	130885-09-5	Perlite
57-11-4	Octadecanoic acid, ammonium salt [Ammonium stearate]		
1002-89-7	Octadecanoic acid, butyl ester [Butyl stearate]		
123-95-5	Octadecanoic acid, ester with 1,2,3-propanetriol [Glyceryl stearate]		
11099-07-3			

APPENDIX 2: Exempt Inert (inactive) Ingredients

Includes ingredients from: FIFRA List 4A "Minimal Risk Inerts" and 40 CFR 180.950

CAS #	Chemical Name	CAS #	Chemical Name
93763-70-3	Perlite, expanded	1327-43-1	Silicic acid, aluminum magnesium salt [Aluminum magnesium silicate]
26499-65-0	Plaster of paris	12736-96-8	Silicic acid, aluminum potassium sodium salt [Aluminum potassium sodium silicate]
9002-88-4	Polyethylene	1344-00-9	Silicic acid, aluminum sodium salt [Aluminum sodium silicate]
9007-48-1	Polyglyceryl oleate	12003-51-9	Silicic acid (H ₄ SiO ₄), aluminum sodium salt (1:1:1) [Aluminum sodium silicate (1:1:1)]
9009-32-9	Polyglyceryl stearate	1344-95-2	Silicic acid, calcium salt [Calcium silicate]
127-08-2	Potassium acetate [Acetic acid, potassium salt]	13776-74-4	Silicic acid (H ₂ SiO ₃), magnesium salt (1:1)
1327-44-2	Potassium aluminum silicate, anhydrous	63231-67-4	Silica gel
582-25-2	Potassium benzoate [Benzoic acid, potassium salt]	112926-00-8	Silica gel, precipitated, crystalline free
298-14-6	Potassium bicarbonate [Carbonic acid, monopotassium salt]	10279-57-9	Silica, hydrate
7447-40-7	Potassium chloride	60676-86-0	Silica, vitreous
7778-49-6	Potassium citrate [Citric acid, potassium salt]	N/A	Soap (The water soluble sodium or potassium salts of fatty acids produced by either the saponification of fats and oils, or the neutralization of fatty acid)
68514-28-3	Potassium humate [Humic acids, potassium salts]	1393-03-9	Soapbark [Quillaja saponin]
13429-27-1	Potassium myristate [Tetradecanoic acid, potassium salt]	308076-02-0	Soapstone
143-18-0	Potassium oleate [9-Octadecenoic acid (9Z)-, potassium salt]	127-09-3	Sodium acetate [Acetic acid, sodium salt]
7492-30-0	Potassium ricinoleate [9-Octadecenoic acid, 12-hydroxy-, monopotassium salt, (9Z,12R)-]	9005-38-3	Sodium alginate
24634-61-5	Potassium sorbate [Sorbic acid, potassium salt]	532-32-1	Sodium benzoate [Benzoic acid, sodium salt]
593-29-3	Potassium stearate [Octadecanoic acid, potassium salt]	144-55-8	Sodium bicarbonate [Carbonic acid, monosodium salt]
7778-80-5	Potassium sulfate	9004-32-4	Sodium carboxymethyl cellulose [Cellulose, carboxymethyl ether, sodium salt]
7646-93-7	Potassium sulfate [Sulfuric acid, monopotassium salt]	7647-14-5	Sodium chloride
56-81-5	1,2,3-Propanetriol [Glycerol; Glycerin]	994-36-5	Sodium citrate [Citric acid, sodium salt]
67-63-0	2-Propanol [Isopropyl alcohol; Isopropanol]	68131-04-4	Sodium humate [Humic acids, sodium salts]
108-32-7	1,2-Propylene carbonate [1,3-Dioxalan-2-one, 4-methyl-]	143-19-1	Sodium oleate
1332-09-8	Pumice	5323-95-5	Sodium ricinoleate [9-Octadecenoic acid, 12-hydroxy-, monosodium salt,(9Z,12R)-]
1393-03-9	Quillaja saponin [Soapbark]	822-16-2	Sodium stearate [Octadecanoic acid, sodium salt]
N/A	Red cabbage color (expressed from edible red cabbage heads a pressing process using only acidified water)	7757-82-6	Sodium sulfate
N/A	Red cedar chips	24634-61-5	Sorbic acid, potassium salt [Potassium sorbate]
N/A	Red dog flour	50-70-4	Sorbitol [D-glucitol]
N/A	Red pepper	N/A	Soy protein
9006-04-6	Rubber	8030-76-0	Soya lecithins [Lecithins, soya]
N/A	Sawdust	N/A	Soybean hulls
N/A	Shale	68308-36-1	Soybean meal
7631-86-9	Silica (crystalline free)		
112945-52-	Silica, amorphous, fumed (crystalline free)		
7699-41-4	Silica, amorphous, precipitated and gel		

APPENDIX 2: Exempt Inert (inactive) Ingredients

Includes ingredients from: FIFRA List 4A "Minimal Risk Inerts" and 40 CFR 180.950

CAS #	Chemical Name	CAS #	Chemical Name
68513-95-1	Soybean flour	6132-04-3	Trisodium citrate dihydrate
8001-22-7	Soybean oil [As described in 40 CFR §180.950(c)(1)]		[Citric acid, trisodium salt, dihydrate]
N/A	Spices [as defined in 40 CFR §180.950(a)]	6858-44-2	Trisodium citrate pentahydrate
57-11-4	Stearic acid		[Citric acid, trisodium salt, pentahydrate]
	[Octadecanoic acid]	57455-37-5	Ultramarine blue
57-50-1	Sucrose		[C.I. pigment blue 29]
7704-34-9	Sulfur	57-13-6	Urea
7646-93-7	Sulfuric acid, monopotassium salt	121-33-5	Vanillin
	[Potassium sulfate]		[Benzaldehyde, 4-hydroxy-3-methoxy-]
N/A	Syrup [As described in 40 CFR §180.950(a)]	1318-00-9	Vermiculite
68425-17-2	Syrups, hydrolyzed starch, hydrogenated	8028-52-2	Vinegar (maximum 8% acetic acid in solution)
589-68-4	Tetradecanoic acid, 2,3-dihydroxypropyl ester	50-81-7	Vitamin C
	[1-Monomyristin]		[L-Ascorbic acid]
53563-63-6	Tetradecanoic acid, diester with 1,2,3-propanetriol	1406-18-4	Vitamin E
	[Glyceryl dimyristate]	N/A	Walnut flour
27214-38-6	Tetradecanoic acid, monoester with 1,2,3-propanetriol	N/A	Walnut shells
	[Glyceryl monomyristate]	7732-18-5	Water
13429-27-1	Tetradecanoic acid, potassium salt	N/A	Wheat Wheat
	[Potassium myristate]	N/A	flour Wheat
71012-10-7	Tetraglyceryl monooleate	8006-95-9	germ oil Whey
	[9-Octadecenoic acid (9Z)-, monoester with tetraglycerol]	92129-90-3	White mineral oil (petroleum)
813-94-5	Tricalcium citrate	8042-47-5	Wintergreen oil
	[Citric acid, calcium salt (2:3)]	68917-75-9	Wollastonite (Ca(SiO ₃))
77-93-0	Triethyl citrate	13983-17-0	Wool
	[Citric acid, triethyl ester]	N/A	Xanthan gum
866-84-2	Tripotassium citrate	11138-66-2	Yeast
	[Citric acid, tripotassium salt]	68876-77-7	Zeolites (excluding erionite (CAS # 66733-21-9))
6100-05-6	Tripotassium citrate monohydrate	1318-02-1	Zeolites, NaA
	[Citric acid, tripotassium salt, monohydrate]	68989-22-0	Zinc iron oxide
68-04-2	Trisodium citrate	12063-19-3	Zinc oxide (ZnO)
	[Citric acid, trisodium salt]	1314-13-2	Zinc stearate
		557-05-1	[Octadecanoic acid, zinc salt]

NOTE: This list is only for non-food use products. If your product is intended for use on or around food, food crops, food contact surfaces, or animal feed, or if you have general questions about the list, please contact the Department of Pesticide Regulation at school-ipm@cdpr.ca.gov

The list above was generated using the following resources:

- "Inert Ingredients Eligible for FIFRA 25(b) Pesticide Products, Last Updated December 20, 2010"
- 40 CFR §180.950

If an inert ingredient in your product is not included on the list above, please consult the most recent ingredient lists and reference materials, which can be found at the following websites:

- Inert Ingredients Eligible for FIFRA 25(b) Pesticide Products at:
http://www.epa.gov/opprd001/inerts/section25b_inerts.pdf
- Code of Federal Regulation, Title 40, Chapter 1, Subchapter E, Part 180, Subpart D, §180.950 at:
<http://www.epa.gov/lawsregs/search/40cfr.html>
- U.S EPA Minimum Risk Pesticides: Permitted Inerts Web site:
<http://www.epa.gov/oppbppd1/biopesticides/regtools/25b/25b-inerts.htm>