National Organic Standards Board (NOSB)

Crops Committee

Guidance Recommendation on Inerts in Pesticides Allowed for use in Organic Production March 1, 2010

Introduction

This document discusses the Crops Committee proposed guidance to the program (NOP) regarding the need for clarification on materials listed as inerts under the old EPA List 4 and List 3 classifications.

The ORGANIC FOODS PRODUCION ACT OF 1990 states:

Sec. 2119

(1) REQUIREMENTS. In establishing the proposed National List or proposed amendments to the National List, the Board shall-

(1) review available information from the Environmental Protection Agency, the National Institute of Environmental Health Studies, and such other sources as appropriate, concerning the potential for adverse human and environmental effects of substances considered for inclusion in the proposed National List;

(2) work with manufacturers of substances considered for inclusion in the proposed National List to obtain a complete list of ingredients and determine whether such substances contain inert materials that are synthetically produced; and

Background

The NOP currently maintains an outdated classification listing for inerts used in pesticides under the old EPA list 4 and list 3 classifications. As of 2006 this EPA classification no longer exists and has been replaced by the new EPA classification lists 40CFR 180. The NOP issued the following statement on September 6, 2007 documenting the position of the program regarding the changes made by EPA to their List 3 and 4 inerts

The National Organic Program (NOP) regulations currently allow inert ingredients which appear on the Environmental Protection Agency (EPA) List 4A – Minimal Risk Inert Ingredients and 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 the public health or the environment – as ingredients in pesticides allowed in organic production operations. These lists were maintained and managed by EPA.

EPA has been reassessing exemptions from tolerances for inert ingredients in pesticide products to ensure that they meet the safety standard established by the Food Quality Protection Act (FQPA). FQPA requires the reassessment of inert ingredient tolerances and tolerance exemptions that were in place prior to August 3, 1996. EPA completed their reassessments in 2006.

EPA reassessments resulted in the revocation of a few List 4 inert ingredients, and they are therefore prohibited under NOP. List 4 inert ingredients that have been revoked for use in pesticide formulations and are now prohibited under NOP are as follows:

• Acetylated lanolin alcohol (CAS Reg. No. 91994-94-4); Revoked in 70 FR 31401, June 1, 2005.

• Acrylic acid methyl ester, polymer with acrylonitrile and 1,3-butadiene (CAS Reg. No. 27012-62-0); Revoked in 71 FR 14411, March 22, 2006; the tolerance exemption is called "Nitrile rubber modified acrylonitrile methylacrylate conforming to 21 CFR 177.1480. • Coumarone – indene resin (CAS Reg. No. 63393-89-5); Revoked in 71 FR 14411, March 22, 2006.

• Manganous oxide (CAS Reg. No. 1344-43-0); Revoked in 71 FR 45415, August 9, 2006.

• Pentaerythritol monostearate (CAS Reg. No. 78–23–9); Revoked in 71 FR 14411, March 22, 2006.

• Pentaerythritol tetrastearate CAS Reg. No. 115–83–3); Revoked in 71 FR 14411, March 22, 2006.

• Polyglyceryl phthalate ester of coconut oil fatty acid (CAS Reg. No. 66070-87-9); Revoked in 71 FR 45415, August 9, 2006.

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EPA has also reclassified a number of List 3 inert ingredients (inerts of unknown toxicity) as List 4 inert ingredients. Those materials have not been added to EPA's published List 4 documents but appear through individual approvals issued by EPA and posted on their website. EPA has informed USDA that the "Inerts List" system may no longer be effective or available for the NOP to reference in the Regulations. Also impacted is the EPA review and labeling program for determining the compatibility of pesticides with the Regulations.

As a result, the NOP regulations must be amended to acknowledge the inert tolerance reassessments conducted by EPA. NOP will collaborate with EPA and the National Organic Standards Board (NOSB) to determine the most effective and efficient way to amend the regulations.

On September 30, 2009, EPA issued a statement that said the agency will seek to disclose hazardous pesticide inert ingredients (See <u>http://epa.gov/oppfead1/cb/csb_page/updates/2009/disclose-inerts.html</u>). In a letter responding to petitions before the agency, EPA said that it is "initiating rulemaking to increase public availability of hazardous inert ingredient identities for specific formulations." EPA continues, "In connection with the rulemaking, EPA will also be discussing ideas to increase the disclosure of inert ingredients to an even greater degree than requested by petitioners, for example, by requiring disclosure of all inert ingredients, including ingredients not deemed hazardous. "(See entire letter at http://www.epa.gov/opprd001/inerts/petitionresponse.pdf

NOP Policy

Parties reviewing pesticide product ingredients for compliance with the NOP are advised to use EPA's August 2004 lists of approved List 4 inert ingredients, minus the revoked inert ingredients. These lists are provided at the end of this document as attachments

-Inert Ingredients Ordered Alphabetically by Chemical Name - List 4A (Attachment 1) -Inert Ingredients Ordered Alphabetically by Chemical Name - List 4B (Attachment 2)

The NOSB has requested that inert ingredients reassessed by EPA, but not previously authorized for use under the NOP remain prohibited in organic agriculture. Until the NOP and NOSB can determine the best course to take in response to EPA's reassessment decisions, NOP will concur with the NOSB's request and grant that use of such ingredients must be petitioned. A petition may be submitted to the NOSB using the National List petition procedures. Petitioned substances must be recommended by the NOSB and added to the National List through notice and comment rulemaking before use in organic agriculture.

This policy will remain in effect until superseded by regulatory changes or new guidance. Certifiers and other affected parties should consult the NOP Document Control Master list for the most current guidance on this topic.

Definitions:

EPA Inert (other) Ingredients in Pesticide Products

Pesticide products contain both "active" and "inert" ingredients. The terms "active ingredient" and "inert ingredient" have been defined by Federal law, the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), since 1947.

<u>An active ingredient</u> is one that prevents, destroys, repels or mitigates a pest, or is a plant regulator, defoliant, desiccant or nitrogen stabilizer. By law, the active ingredient must be identified by name on the label together with its percentage by weight.

<u>An inert ingredient</u> means any substance (or group of structurally similar substances if designated by the Agency), other than an active ingredient, which is intentionally included in a pesticide product. Inert ingredients play a key role in the effectiveness of a pesticidal product. For example, inert ingredients may serve as a solvent, allowing the pesticide's active ingredient to penetrate a plant's outer surface. In some instances, inert ingredients are added to extend the pesticide product's shelf-life or to protect the pesticide from degradation due to exposure to sunlight. "Inert" ingredients can be and are frequently chemically and biologically active substances, as well as hazardous and toxic to the environment and humans, .

Pesticide products can contain more than one inert ingredient, but federal law does not require that these ingredients be identified by name or percentage on the label. Only the total percentage of inert ingredients is required to be on the pesticide product label.

EPA Regulatory Statement: EPA's National Organic Program Guidance December 20, 2007

• The National Organic Program (NOP) is a USDA program. All matters of policy concerning the eligibility of Inert Ingredients for use in the NOP are determined by USDA. EPA's role is to assist USDA by assuring that USDA's policies are implemented with regard to organic claims made by registered pesticide products.

• USDA policy regarding Inert Ingredients and List 4 is summarized in the following USDA document: Instructions to Certifiers for Use of EPA List 4 Inert Ingredients

• If an applicant has questions with regard to the policy outlined in the above link, or wishes to petition USDA for the addition of another Inert Ingredient, EPA refers the applicant to USDA's NOP office. Program and contact information can be found through the following link: http://www.ams.usda.gov/nop/indexIE.htm

• Per USDA, any applicants seeking organic designation must assure that their inert ingredients can be found on this posted List 4, dated August 2004. No other Inert Ingredients (i.e. reassessed inert ingredients) will be considered for organic designation at this time. (Ingredients approved by 7 CFR part 205 excepted.)

• NOP applicants should be aware that the tolerance exemptions for the following ingredients still found in the above List 4 have since been revoked and are no longer approved for use in pesticide products under USDA's NOP: manganous oxide; polyglyceryl phthalate ester of coconut oil fatty acid; coumarone - indene resin; pentaerythritol monostearate; pentaerythritol tetrastearate; acrylic acid methyl ester, polymer with acrylonitrile and 1,3-butadiene (tolerance exemption is called "Nitrile rubber modified acrylonitrile methylacrylate [CAS Reg. No. 27012-62-0] conforming to 21 CFR 177.1480"); sodium fluoride; and acetylated lanolin alcohol.

• For food uses, NOP applicants should cross-check their inert ingredients against the electronic Code of Federal Regulations (e-CFR) (40 CFR Part 180) to assure that their proposed uses remain covered by an appropriate tolerance exemption. The e-CFR can be found through the following link: http://www.gpoaccess.gov/ecfr/ (Select Title 40, Volume 23 (parts 150-189), and then part 180. The majority of inert ingredient tolerance exemptions are found in 180.910 – 160.)

• NOP applicants are responsible for providing sufficient information on their inert ingredients for EPA to make an NOP determination. Simply noting an ingredient as List 4 is often not sufficient. The NOP has many additional requirements for ingredients, which are intended to assure organic compatability of the formulation. EPA suggests applicants submit Manufacturing Process data for their product and technical data sheets and MSDS for their inert ingredients.

• NOP applicants using proprietary blends in their formulations should check with their suppliers to assure that all the constituent ingredients in their blend can be found on this posted List 4, dated August 2004. The owner of the propriety blend must submit to EPA a complete description of the blend's composition (trade name, chemical names, CAS Reg. No.s, and amount of each component the total of which must equal 100%).

NOP Regulatory Citation: (This is the current listing regarding inerts under the NOP rule)

§ 205.601 Synthetic substances allowed for use in organic crop production.

In accordance with restrictions specified in this section, the following synthetic substances may be used in organic crop production: Provided, That, use of such substances do not contribute to contamination of crops, soil, or water. Substances allowed by this section, except disinfectants and sanitizers in paragraph (a) and those substances in paragraphs (c), (j), (k), and (l) of this section, may only be used when the provisions set forth in §205.206(a) through (d) prove insufficient to prevent or control the target pest

(m) As synthetic inert ingredients as classified by the Environmental Protection Agency (EPA), for use with nonsynthetic substances or synthetic substances listed in this section and used as an active pesticide ingredient in accordance with any limitations on the use of such substances.

(1) EPA List 4—Inerts of Minimal Concern.

- (2) EPA List 3—Inerts of Unknown Toxicity allowed:
 - (i) Glycerine Oleate (Glycerol monooleate) (CAS #s 37220–82–9)—for use only until December 31, 2006.
 - (ii) Inerts used in passive pheromone dispensers

Discussion

The Crops Committee, with the input of many individuals and organizations has been working through the historic and current perspectives regarding the updating of the NOP's classification of the inert materials. It is clear to this committee that the EPA definitions of inerts do not preclude them from actually functioning as active ingredients depending on the formulation used. We, as a committee, are extremely reluctant to assimilate the new 40 CFR 180 listings for these materials in mass into the organic materials use list thereby bringing in hundreds of un-reviewed materials. We also recognize that both dollars and time preclude individual examination of the hundreds of materials found on these lists.

The NOSB needs to review all inert ingredient components used in current NOP compliant pesticide formulations for consideration for inclusion on the National List of Allowed Materials on 205.601.

PROPOSED GUIDANCE TO THE NOP:

The Crops Committee is making the following recommendation to the NOSB:

From the date of public notice of the approval of this recommendation:

1) Working with the EPA, the NOSB will create a sub-list from the previous list of inert materials used in organic pesticide formulation known as list 3 and list 4 inerts that meet the NOSB established review criteria for non-synthetic "natural" materials. Nonsynthetic substances are not required to be listed on the National List on 205.601 or 205.603 for use in organic production and will not require further review in order to be allowed for use in the manufacturing of pest management materials. Manufacturers of organic pesticides will be directed to this "list" of materials as their first choice for ingredients used in the formulation of their products.

2) If unable to formulate pesticide products for use in organic production relying on these non-synthetic "natural" ingredients, the manufacturers of pesticides currently allowed for use and in organic production must provide the NOP with the names and CAS numbers for all their product ingredients currently listed as inert that they intend to defend for continued use, for review by the NOSB under the existing petition process. Product status will remained unchanged during a the petition process. Any ingredients not introduced for review within 180 days of posting will not be considered for inclusion on the National List of Allowed Materials and will <u>Not Be Allowed</u> for use in pesticide formulations in organic production.

3) The inerts materials submitted to the NOSB as a petitioned substance will receive priority review by the board to determine compliance with the standards of OFPA under the general materials review procedures. Upon receipt of the petitioned product ingredients, the crops committee will solicit a technical review (TR) of each material. Materials not submitted for review will have a 1 year grace period, after which they will no longer be allowed.

4) Following the petition process and the committee recommendation, any material or substance found to be incompatible with organic production will be given 6 months to reformulate or lose approved status and be prohibited from further use.) Submitted materials rejected during NOSB review process will be prohibited after a 6 month grace period, unless health and environmental risks dictate an expedited termination of use

5) Delete 1) and 2) under 205.601

(m) As synthetic inert ingredients as classified by the Environmental Protection Agency (EPA), for use with nonsynthetic substances or synthetic substances listed in this section and used as an active pesticide ingredient in accordance with any limitations on the use of such substances.

(1) EPA List 4 Inerts of Minimal Concern.

(2) EPA List 3 Inerts of Unknown Toxicity allowed:

6) List the specific inert ingredient components recommended for inclusion on 205.601 (m) by the NOSB subject to the current sunset process.

Committee Vote to recommend this document: Motion: Barry F. Second: Tina E. Yes: 6 No: 0 absent: 1 abstain: 0

Respectfully submitted,

Tina Ellor Crops Committee Chair

ADDENDUM

I) EPA Screen for Allowable Inerts

[Note: This type of screen would take about ½ hour to run a chemical through. It would confirm that those remaining on the allowable list do not raise any red flags. If the ingredient turns up on one of these lists, then it would trigger a more indepth review.]

(1) Toxicity Category I or II by the United States Environmental Protection Agency (EPA). These pesticides are identified by the words "DANGER" or "WARNING" on the label.

(2) A developmental or reproductive toxicant as defined by the State of California Proposition 65 Chemicals Known to Developmental or Reproductive Harm.

(3) A carcinogen, as designated by EPA's List of Chemicals Evaluated for Carcinogenic Potential (chemicals classified as a human carcinogen, likely to be carcinogenic to humans, a known/likely carcinogen, a probable human carcinogen, or a possible human carcinogen), the International Agency for Research on Cancer (IARC), U.S. National Toxicology Program (NTP), and the state of California's Proposition 65 list. Any of the following classifications shall deem the chemical a carcinogen and unacceptable:

Known to the State of California to Cause Cancer (California) Group A: Human Carcinogen (US EPA 1986 category) Group B: Probably Human Carcinogen (US EPA 1986 category) Group C: Possible Human Carcinogen (US EPA 1986 category) Known Carcinogen (US EPA 1996 category) Likely Carcinogen (US EPA 1996 category) Carcinogenic to Humans (US EPA 1999 category) Likely to be Carcinogenic to Humans (US EPA 1999 category) Suggestive Evidence of Carcinogenicity (US EPA 1999 category) Known to be Human Carcinogens (NTP) Reasonably Anticipated to be Human Carcinogens (NTP) Group 1: Carcinogenic to Humans (IARC) Group 2A: Probably Carcinogenic to Humans (IARC)

(4) Neurotoxic cholinesterase inhibitors, as designated by California Department of Pesticide Regulation or the Materials Safety Data Sheet (MSDS) for the particular chemical,

(5). Known groundwater contaminants, as designated by the state of California (for actively registered pesticides) or from historic groundwater monitoring records (for banned pesticides).

(6) Pesticides formulated as dusts, powder or aerosols, unless used in a way that virtually eliminates inhalation hazard (for example, applied to cracks or crevices and sealed after the application, or as a directed spray into the entrance of an insect nest).

(7) Nervous system toxicants, including chemicals such as cholinesterase inhibitors or chemicals associated with neurotoxicity by a mechanism other than cholinesterase inhibition, or listed on:

Toxics Release Inventory (TRI), EPA EPCRA Section 313 (Identified as "NEUR" on Table 1)

EPA Reregistration Eligibility Decisions (RED)

Insecticide Resistance Action Committee (IRAC) Mode of Action Classification:

Acetylcholine esterase inhibitors;

GABA-gated chloride channel antagonists;

Sodium channel modulators;

Nicotinic Acetylcholine receptor agonists /antagonists;

Nicotinic Acetylcholine receptor agonists;

Chloride channel activators;

Octopaminergic agonists;

Voltage-dependent sodium channel blockers; or

Neuronal inhibitors (unknown mode of action).

(8) Endocrine disruptors, which include chemicals that are known to or likely to interfere with the endocrine system in humans or wildlife, based on the European Commission (EC) List of 146 substances with endocrine disruption classifications, Annex 13 (and/or any subsequent lists issued as follow-up, revisions, or extensions).

(9) (Regarding outdoor use) Adversely affects the environment/wildlife, based on:

1. Label precautionary statements including "toxic" or "extremely toxic" to bees, birds, fish, aquatic invertebrates, wildlife or other non-target organisms, unless these organisms are the target pest and/or environmental exposure can be virtually eliminated.

2. Pesticides with ingredients with moderate or high mobility in soil, according to the Groundwater Ubiquity Score (GUS), or with a soil half-life of 30 days or more (except for mineral products). Persistence and Soil Mobility procedures appear below.

a) If GUS (Groundwater Ubiquity Score) cannot be found, we search for the aerobic soil half-life and soil-binding coefficient Koc. GUS is then calculated from the formula: GUS = log10(half-life)*(4 – log10 (Koc)).

(10) Has data gap or missing information in EPA registration documents, including pesticide fact sheets, or EPA reregistration eligibility decisions, which EPA is requiring the registrant to fulfill.

(11) Contaminants and metabolites recognized by EPA that violate any of the above criteria.

(12) Inert or active ingredients that are Chemicals Included on EPA's List 1 (Inerts of Toxicological Concern) or EPA List 2: (Potentially Toxic, High Priority for Testing).

II. Previous NOSB Discussion Document

National Organic Standards Board (NOSB) Crops Committee Guidance Discussion Document on Inerts in Pesticides Allowed for use in Organic Agriculture September 14, 2009

Introduction

This document discusses the Crops Committee proposed guidance to the program (NOP) regarding the need for clarification on materials listed as inerts under the old EPA List 4 and List 3 classifications.

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http://www.regulations.gov/search/Regs/home.html#documentDetail?R=0900006480a706af

NOP Policy

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NOP Regulatory Citation: (This is the current listing regarding inerts under the NOP rule)

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(m) As synthetic inert ingredients as classified by the Environmental Protection Agency (EPA), for use with nonsynthetic substances or synthetic substances listed in this section and used as an active pesticide ingredient in accordance with any limitations on the use of such substances.

(1) EPA List 4—Inerts of Minimal Concern.

- (2) EPA List 3—Inerts of Unknown Toxicity allowed:
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Discussion

The Crops Committee, with the input of many individuals and organizations has been working through the historic and current perspectives regarding the updating of the NOP's classification of the inert materials. It is clear to this committee that the EPA definitions of inerts do not preclude them from actually functioning as active ingredients depending on the formulation used. We, as a committee, are extremely reluctant to assimilate the new 40 CFR 180 listings for these materials in mass into the organic materials use list thereby bringing in hundreds of un-reviewed materials. We also recognize that both dollars and time preclude individual examination of the hundreds of materials found on these lists.

The NOSB needs to review all inert ingredient components used in current NOP compliant pesticide formulations for consideration for inclusion on the National List of Allowed Materials on 205.601.

Proposed Guidance to the NOP

To that end the Crops Committee is making the following recommendation to the NOSB: 1) Working with the EPA, the NOSB will create a sub-list from the previous list of inert materials used in organic pesticide formulation known as list 3 and list 4 inerts that meet the NOSB established review criteria for non-synthetic natural materials vs synthetic materials. This list will exist outside the list of synthetic materials managed by the NOSB as it will contain materials known as non-synthetic natural materials. Manufacturers of organic pesticides will be directed to this list of materials as their first choice for ingredients used in the formulation of their products.

2) If unable to formulate organic pesticide products using the newly created EPA/NOSB list of nonsynthetic natural inert materials, the manufacturers of organic pesticides must provide the NOP with the names and CAS numbers for all their product ingredients currently listed as inert that they intend to defend for continued use, for review by the NOSB under the existing petition process. Product status will remained unchanged during a petition process. Any ingredients not introduced for review during this period will not be considered for inclusion on the National List of Allowed Materials and will <u>Not Be</u> <u>Allowed</u> for use in pesticide formulations in organic production.

3) The inerts materials submitted to the NOSB as a petitioned substance will receive priority review by the board to determine compliance with the standards of OFPA under the general materials review procedures. Upon receipt of the petitioned product ingredients, the crops committee will solicit a technical review (TR) of each material. Those ingredient materials that do not pass the material review process will not be approved for use in organic production and will be listed as prohibited synthetics.

4) Following the petition process and the committee recommendation, any material or substance found to be incompatible with organic production will be given 6 months for reformulation or lose approved status and be prohibited from further use.

From the date of public notice of the approval of this recommendation:

5) Manufacturers of pesticides allowed for use in organic agriculture will have 6 months to submit materials which are determined by the EPA to be synthetic inert ingredient components for review.6) Materials not submitted for review will have a 1 year grace period, after which they will no longer be allowed.

7) Submitted materials rejected during NOSB review process will be prohibited after a 6 month grace period, unless health and environmental risks dictate an expedited termination of use.

8) Delete 1) and 2) under 205.601

(m) As synthetic inert ingredients as classified by the Environmental Protection Agency (EPA), for use with nonsynthetic substances or synthetic substances listed in this section and used as an active pesticide ingredient in accordance with any limitations on the use of such substances.

(1) EPA List 4 Inerts of Minimal Concern.

(2) EPA List 3 Inerts of Unknown Toxicity allowed:

9) List the specific inert ingredient components recommended for inclusion on 205.601 (m) by the NOSB subject to the current sunset process.

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

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

	Cellulose, mixture with cellulose carboxymethyl ether,	
51395-75-6	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	Сосоа	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(CO3)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 (Fe2MaO4)	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-hutvl ester	10
130-22-7		77
63-42-3	(+)- 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, sova	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, 12	R4A
49553-76-6	9-	Octadecenoic acid, ester with 1,2,3-propanetriol	4A
71012-10-7	9-	Octadecenoic acid, monoester with tetraglycerol	4A
		Octanoic acid, diester iwht 1,2,3-propanetriol	
36354-80-0		(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
		Octodecanoic acid, monoester with 1,2,3-propanetriol	
31566-31-1		(9CI)	4A
25637-84-7	9-	Octodecenoic acid (9Z)-, diester with 1,2,3-propanetriol (90	C4A
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			4A
68553-81-1		RICE DRAN OIL	4A
9006-04-6		Kubber	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, decahvdrate	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

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 Chemical Name Updated August 2004

CAS 64-19-7	PREFIX	NAME Acetic acid	4B
26337-35-9		and ethene	4B
137091-12-4		Acetic acid ethenyl ester, polymer with ethanol and alpha- 2-propenyl-omega-hydroxypoly(oxy-1,2-ethandiyl) Acetic acid [(5-chloro-8-quipolipyl)oxyl- 1-methylbexyl	4B
99607-70-2		ester (9Cl)	4B
631-61-8		Acetic acid, ammonium salt	4B
108419-34-7		Acetic acid, C9-11-branched alkyl esters, C10-rich	4B
108-24-7		Acetic anhydride	4B
98-86-2		Acetophenone	4B
77-90-7		Acetyl tributyl citrate	4B
91994-94-4		Acetylated lanolin alcohol	4B
9003-06-9		Acrylamide - acrylic acid resin	4B
130353-60-5		Acrylic acid - divinyl benzene copolymer	4B
		Acrylic acid butyl ester, polymer with methacrylic acid,	
25987-66-0		methyl methacrylate and styrene	4B
24968-79-4		Acrylic acid methyl ester, polymer with acrylonitrile	4B
		Acrylic acid methyl ester, polymer with acrylonitrile and	
27012-62-0		1,3-butadiene	4B
9003-01-4		Acrylic acid polymer	4B
9003-04-7		Acrylic acid polymer, sodium salt	4B
151006-66-5		Acrylic acid terpolymer, partial sodium salt	4B
25750-84-9		Acrylic acid, butyl ester, polymer with ethylene	4B
25119-83-9		Acrylic acid, copolymer with butyl acrylate	4B
25987-30-8		Acrylic acid, polymer with acrylamide, sodium sait	4B
26604 01 2		Actylic acid, polymer with actylonithie, ethyl actylate and N-	1 D
20004-01-3		Acrylic acid, polymer with ethyl acrylate and	4D
25135-30-1		methylmethacrylate	∕IR
20100-00-1		Acrylic acid styrene alpha -methyl styrene conolymer	ΨD
89678-90-0		ammonium salt	4R
52831-04-6		Acrylic acid-alpha-methylstyrene-styrene copolymer	4B
0_00.0.0		Acrylic acid-sodium acrylate-sodium-2-	
97953-25-8		methylpropanesulfonate copolymer	4B
27756-15-6		Acrylic acid-stearyl methacrylate copolymer	4B
9003-18-3		Acrylonitrilebutadiene copolymer	4B
		Alanine, N-(2,4-dihydroxy-3,3-dimethyl-1-oxobutyl)-,	
137-08-6	beta-	calcium salt (2:1), (R)- (9CI) (CA IN	4B
68131-40-8		Alcohols, C11-15-secondary, ethoxylated	4B
68551-13-3		Alcohols, C12-15, ethoxylated propoxylated	4B
70632-06-3		Alcohols, C12-15, ethoxylated, carboxylated, sodium salts	4B
69227-21-0		Alcohols, C12-18, ethoxylated propoxylated	4B
68526-94-3		Alcohols, C12-20, ethoxylated	4B
68920-66-1		Alcohols, C16-18 and C18-unsatd., ethoxylated	4B
00004 00 0		Alconols, C8-10, ethoxylated, monoether with sulfuric	45
00091-29-2		acio, ammonium sait	4B
00920-09-4		Alconois, C9-11, propoxylated	4D

154518-36-2	Alcohols, C9-11-iso-, C10-rich, ethoxylated propoxylated	4B
97043-91-9	Alcohols, C9-16, ethoxylated	4B
68527-08-2	Alkenes, C>10 .alpha, polymd.	4B
142-03-0	Aluminum acetate, basic	4B
7446-70-0	Aluminum chloride	4B
21645-51-2	Aluminum hydroxide	4B
6028-57-5	Aluminum octanoate	4B
1344-28-1	Aluminum oxide	4B
10043-01-3	Aluminum sulfate	4B
68425-44-5	Amides, coco, N-(hydroxyethyl), ethoxylated	4B
61791-26-2	Amines, tallow alkyl, ethoxylated	4B
7784-25-0	Ammonium alum	4B
7803-63-6	Ammonium bisulfate	4B
12124-97-9	Ammonium bromide	4B
12125-02-9	Ammonium chloride	4B
3012-65-5	Ammonium citrate, dibasic	4B
1336-21-6	Ammonium hydroxide	4B
6484-52-2	Ammonium nitrate	4B
7722-76-1	Ammonium phosphate (monobasic)	4B
68333-79-9	Ammonium polyphosphate	4B
7783-20-2	Ammonium sulfate	4B
147-81-9	Arabinose (8CI, 9CI) (CA INDEX NAME)	4B
84775-78-0	Ascophyllum nodosum, ext	4B
374602-90-1	Ashes (residues), sunflower seed hull	4B
12174-11-7	Attapulgite	4B
7727-43-7	Barium sulfate (1:1)	4B
8029-31-0	Beer	4B
	Benzene, diethenyl-, polymer with etenylbenzene and	
69011-22-9	ethenylethylbenzene, sulfonated, sodium salts	4B
	Benzene, ethenyl-, polymer with 2,5-furandione, 2-	
68890-80-2	butoxyethyl ester, ammonium salt	4B
	Benzene, ethenyl-, polymer with 2-methyl-1,3-butadiene,	
68648-89-5	hydrogenated	4B
65-85-0	Benzoic acid	4B
	Benzopyran-6-ol,3,4-dihydro-2,5,7,8-tetramethyl-2-(4,8,12-	
10191-41-0	2H-1- trimethyltridecyl)-	4B
	Benzyl ether of 1,1,3,3-tetramethylbutylphenoxypolyethoxy	
60864-33-7	ethanol	4B
61791-31-9	N,N- Bis(2-hydroxyethyl)(coconut oil alkyl)amine	4B
	Bis(6-isocyanatohexyl)-2H-1,3,5-oxadiazine-2,4,6-	
87823-33-4	3,5- (3H,5H)-trione, polymer with diethylenetriamine	4B
1318-23-6	Boehmite (AI(OH)O)	4B
9003-55-8	Butadiene-styrene copolymer	4B
106-97-8	n- Butane	4B
110-15-6	Butanedioic acid	4B
106-65-0	Butanedioic acid, dimethyl ester	4B
	Butanediol, copolymer with 4,4'-diphenylmethane	
9018-04-6	1,4- diisocyanate and polytetramethylene glycol	4B
71-36-3	1- Butanol	4B

689-82-7	2- Butenedioic acid (Z)-, monopotassium salt	4B
32649-30-2	2- Butenedioic acid (Z)-, polymer with ethenol, sodium salt Butenedioic acid (Z), polymer with ethenol and ethenyl	4B
139871-83-3	2- acetate, sodium salt	4B
	Butyl acrylate-2-ethylhexyl acrylate-2-hydroxyethyl	
70549-17-6	acrylate-styrene copolymer	4B
	Butyl acrylate-ethyl acrylate-methacrylic acid-methyl	
63744-68-3	methacrylate-styrene copolymer	4B
65405-40-5	Butyl acrylate-vinyl acetate-acrylic acid copolymer	4B
26160-96-3	Butylated polyvinylpyrrolidone	4B
50769-39-6	Butylpolyethoxyethanol esters of phosphoric acid	4B

96-48-0	gamma- Butyrolactone	4B
1328-53-6	C.I. Pigment Green 7	4B
10043-52-4	Calcium chloride	4B
1305-62-0	Calcium hydroxide	4B
1305-78-8	Calcium oxide	4B
10103-46-5	Calcium phosphate	4B
4075-81-4	Calcium propionate	4B
68187-71-3	Calcium salts of tall-oil fatty acids	4B
15974-07-9	Calcium zinc phosphate (CaZn2(PO4)2)	4B
8028-89-5	Caramel	4B
10361-29-2	Carbonic acid, ammonium salt	4B
506-87-6	Carbonic acid, diammonium salt	4B
584-08-7	Carbonic acid, dipotassium salt	4B
497-19-8	Carbonic acid, disodium salt	4B
598-62-9	Carbonic acid, manganese(2+) salt (1:1)	4B
1066-33-7	Carbonic acid, monoammonium	4B
9000-71-9	Caseins	4B
9005-42-9	Caseins, ammonium complexes	4B
9005-46-3	Caseins, sodium complexes	4B
	Castor oil, dehydrated, polymer with p-tert-butylbenzoic	
68071-54-5	acid, glycerol and phthalic anhydride	4B
61791-12-6	Castor oil, ethoxylated	4B
	Castor oil, hydrogenated, polymer with adipic acid,	
125303-89-1	ethylenediamine and 12-hydroxyoctadecanoic acid	4B
	Castor oil, maleic anhydride, and polyethylene glycol	
71820-36-5	copolymer	4B
68187-84-8	Castor oil, oxidized	4B
68187-76-8	Castor oil, sulfated, sodium salt	4B
8023-84-		
5	Catnip	4B
65997-15-1	Cement, portland, chemicals	4B
36653-82-4	Cetyl alcohol	4B
29710-31-4	Cetvl octanoate	4B
8021-99-6	Charcoal, bone	4B
97765-70-3	Cheese	4B
9012-76-4	Chitosan	4B
64754-90-1	Chlorinated polyethylene	4B

	(3 beta)		
57-88-5	- C	Cholest-5-en-3-ol	4B
67-48-1	C	Choline chloride	4B
70131-50-9	C	Slav	4B
8001-69-2	C	Cod liver oil	4B
20427-59-2	C	Copper (II) C2449hvdroxide	4B
147-14-8	C	Copper phthalocvanine blue	4B
66071-94-1	C	Corn. steep liquor	4B
68917-18-0	C	Cornmint oil	4B
63393-89-5	C	Coumarone - indene resin	4B
14464-46-1	C	Cristobalite	4B
74811-65-7	C	Croscarmellose sodium	4B
	С	Crustacea (raw and processed forms)	4B
527-09-3	С	Cupric gluconate	4B
10016-20-3	alpha- C	Cyclodextrin	4B
	•		
128446-33-3	1-alpha- C	Cyclodextrin, 2-hydroxypropyl ethers	4B
111-20-6	D	Decanedioic acid	4B
334-48-5	D	Decanoic acid	4B
112-30-1	1- D	Decanol	4B
21662-09-9	4- D	Decenal, (4Z)-	4B
41444-55-7	D	ecyl glucoside	4B
37764-25-3	N,N- D	Diallyl-2,3-dichloroacetamide	4B
7783-28-0	D	Diammonium phosphate	4B
404770 00 0	2 / D		40
121770-33-0	3-(D	Notholoacelyl)-5-(2-lulanyl)-2,2-dimethyl 2 pyrozolia 2 5	4D
125500 01 0	D	ieerbewylete	40
135590-91-9	ui D	ical DOXylate	4D 4D
67762.00.7	D	Vimethyl eiliegne polymer with eilige	4D 4D
20464 64 7	D	Vineury Silicone polymer with Silica	4D 4D
39404-04-7	D	monyiphenoi, emoxyialed, phosphaled	4D
20727-33-7	П	Noctyl* sodium sulfosuccinate (* octyl is 1-methylbentyl)	4R
20121 00 1		Dioxolo[4,5-f]benzimidazole, 6-chloro-5-[(3,5-	τD
400007 70 0			45
188027-78-3	5H-1,3- d	limetnyi-4-isoxazoiyi)suitonyij-2,2-ditiuoro	4B
7722-88-5	D	Piphosphoric acid, tetrasodium salt	4B
7558-79-4	D	Disodium phosphate	4B
0004.00.4	D	odecanol, ethoxylated, monoether with sulfuric acid,	40
9004-82-4	so	odium salt	4B
25719-52-2	D	odecyl 2-metnylacrylate polymer	4B
26183-44-8	П	odecyl alcohol, ethoxylated, monoether with sulfuric acid	∕IR
151-21-3		odecyl alconol, cinoxylaica, monocinci with sulfate acia	⊿B
101 21-0	ם)ried crickets	4R
	ם		4R
9006-50-2	F	ag white	4R
5000 00 Z		and processed forms)	4R
	- ;		.0

	Ethanaminium, N,N,N-trimethyl-2-[(2-methyl-1-	
	oxo-2-propenyl)oxy]-, chloride, polymer with	
36347-52-1	methyl 2-methyl-2-propenoate	4B
64-17-5	Ethanol	4B
9003-09-2	Ethene, methoxy-, homopolymer	4B
91-53-2	Ethoxyauin	4B
141-78-6	Ethyl acetate	4B
25212-88-8	Ethyl acrylate-methacrylic acid copolymer	4B
73637-19-1	Ethyldiaminetetraacetic acid (EDTA) disodium copper (II) s	a4B
73637-20-4	Ethyldiaminetetraacetic acid (EDTA) disodium manganese	4B
73513-47-0	Ethyldiaminetetraacetic acid (EDTA) disodium zinc salt, dih	۱4B
15708-41-5	Ethyldiaminetetraacetic acid (EDTA) iron(III) sodium salt	4B
17421-79-3	Ethyldiaminetetraacetic acid (EDTA) monosodium salt	4B
65501-24-8	Ethyldiaminetetraacetic acid (EDTA) tripotassium salt, dihv	d4B
	Ethylene oxide-propylene oxide copolymer	
26316-40-5	ethylenediamine ether	4B
24937-78-8	Ethylene, polymer with vinyl acetate	4B
139-33-3	Ethylenediaminetetraacetatic acid (EDTA), disodium salt	4B
150-38-9	Ethylenediaminetetraacetatic acid (EDTA), trisodium salt	4B
5964-35-2	Ethylenediaminetetraacetec acid (EDTA), tetrapotassium s	a4B
60-00-4	Ethylenediaminetetraacetic acid (EDTA)	4B
61916-40-3	Ethylenediaminetetraacetic acid (EDTA) disodium copper(I	I4B
14729-89-6	Ethylenediaminetetraacetic acid (EDTA) disodium iron(II) s	a4B
15375-84-5	Ethylenediaminetetraacetic acid (EDTA) disodium mangang	e4B
62-33-9	Ethylenediaminetetraacetic acid (EDTA), calcium disodium	4B
12276-01-6	Ethylenediaminetetraacetic acid (EDTA), copper (II) salt	4B
20824-56-0	Ethylenediaminetetraacetic acid (EDTA), diammonium salt	4B
14025-15-1	Ethylenediaminetetraacetic acid (EDTA), disodium copper(I4B
6381-92-6	Ethylenediaminetetraacetic acid (EDTA), disodium salt, dih	v4B
14025-21-9	Ethylenediaminetetraacetic acid (EDTA), disodium zinc salt	ί4Β
7379-27-3	Ethylenediaminetetraacetic acid (EDTA), potassium salt	4B
7379-28-4	Ethylenediaminetetraacetic acid (EDTA), sodium salt	4B
64-02-8	Ethylenediaminetetraacetic acid (EDTA), tetrasodium salt	4B
67401-50-7	Ethylenediaminetetraacetic acid (EDTA), tetrasodium salt,	t 4B
17572-97-3	Ethylenediaminetetraacetic acid (EDTA), tripotassium salt	4B
17099-81-9	Ethylenediaminetetraacteic acid (EDTA), iron(III) salt	4B
67762-38-3	Fatty acids, C16-18 & C18-unsatd., Me esters	4B
67701-08-0	Fatty acids, C16-18 and C18-unsatd	4B
	Fatty acids, C18-unsatd., trimers, reaction products with	
162627-18-1	triethylenetetramine	4B
68525-90-6	Fatty acids, C8-18, esters with sorbitol, ethoxylated	4B
	Fatty acids, coco, esters with polyethylene glycol ether	
68553-02-6	with glycerol (3:1)	4B
68154-33-6	Fatty acids, coco, esters with sorbitan, ethoxylated-	4B
68919-53-9	Fatty acids, soya, Me esters	4B
	Fatty acids, tall-oil, C12-15-alkyl esters, sulfated, sodium	
68424-50-0	salts	4B
61790-90-7	Fatty acids, tall-oil, hexaester with sorbitol, ethoxylated	4B
	Fatty acids, tall-oil, mixed esters with glycerol and	
68650-09-9	polyethylene glycol	4B

61790-92-9		Fatty acids, tall-oil, pentaester with sorbitol, ethoxylated	4B
67761-98-2		pentaerythritol, and phthalic anhydride	4B
66070-75-5		epichlorohydrin	4B
68605-57-2		epichlorohydrin, rosin and tung oil Eatty acids, tall-oil, polymers with isophthalic acid	4B
68413-17-2		pentaerythritol and walnut oil Eatty acids, tall-oil, polymers with pentaerythritol, phthalic	4B
68038-31-3		anhydride and rosin	4B
68648-20-4		Fatty acids, tall-oil, sesquiesters with sorbitol, ethoxylated	4B
61790-37-2		Fatty acids, tallow	4B
61790-38-3		Fatty acids, tallow, hydrogenated	4B
8005-44-5		Fatty alcohols	4B
860-22-0		FD&C Blue No. 2	4B
25956-17-6		FD&C Red No. 40	4B
7705-08-0		Ferric chloride	4B
10028-22-5		Ferric sulfate	4B
563-71-3		Ferrous carbonate	4B
5905-52-2		Ferrous lactate	4B
7720-78-7		Ferrous sulfate	4B
7782-63-0		Ferrous sulfate heptahydrate	4B
		Fish (raw and processed forms)	4B
97675-81-5		Fish meal	4B
59-30-3		Folic acid	4B
57-48-7	D-	Fructose	4B
		Furandione, polymer with ethylbenzene, sulfonated,	
68037-40-1	2,5-	sodium salt (CA INDEX NAME)	4B
9000-70-8		Gelatin	4B
527-07-1		Gluconic acid, sodium salt	4B
4468-02-4	D-	Gluconic acid, zinc complex	4B
29836-26-8	(beta-D-	Glucoopyranoside, octyl	4B
	(alpha-		
29781-80-4	D-	Glucopyranoside, octyl	4B
59947-99-8	beta-D-	Glucoside, decyl	4B
54549-23-4	D-	Glucoside, octyl	4B
100403-			
38-1		Glycerides, animal, reaction products with sucrose	4B
68424-61-3		Glycerides, C16-18 and C18-unsatd. mono- and di-	4B
68002-70-0		Glycerides, C16-22	4B
100403-39-2		Glycerides, palm-oil, reaction products with sucrose	4B
61789-14-8		Glycerides, tallow sesqui-, hydrogenated	4B

100403-		
40-5	Glycerides, tallow, reaction products with sucrose	4B
100403-		
41-6	Glycerides, vegetable-oil, reaction products with sucrose	4B
102-76-1	Glyceryl triacetate	4B
139-44-6	Glyceryl tris(12-hydroxystearate)	4B
	Glycine, N-(carboxymethyl)-N-[2-	
19019-43-3	[(carboxymethyl)amino]ethyl]-, trisodium salt	4B
	Glycine, N-methyl-, N-coco acyl derivs. (CA INDEX	
68411-97-2	NAME) (Pending)	4B
	Glycine, N-methyl-N-(1-oxo-9-octadecenyl)-, sodium salt	
3624-77-9	(9CI) (CA INDEX NAME) (Pending)	4B
97-78-9	Glycine, N-methyl-N-(1-oxododecyl)-	4B
142-48-3	Glycine, N-methyl-N-(1-oxooctadecyl)-	4B
5136-55-0	Glycine, N-methyl-N-(1-oxooctadecyl)-, sodium salt	4B
52558-73-3	Glycine, N-methyl-N-(1-oxotetradecyl)-	4B
30364-51-3	Glycine, N-methyl-N-(1-oxotetradecyl)-, sodium salt	4B
26635-76-7	Glycols, plyethylene, mono(oleylamines)-ethyl ester	4B
	Ground grass seed	4B
9000-01-5	Gum Arabic	4B
12173-47-6	Hectorite	4B
7440-59-7	Helium	4B
111-70-6	1- Hentanol	4R
111700	Hexanedioic acid polymer with 1 4-butanediol and 1 2-	τD
68511-11-5	propanediol didodecanoate	4B
	Hexanedioic acid polymer with 2 2-dimethyl-	
	1.2 propagadial 1.6 boxagadial bydrazing 2	
	hydrauna Q (hydrau mathud) Q mathuda na an ais	
	nydroxy-2-(nydroxymetnyi)-2-metnyipropanoic	
	acid and 1,1'-methylenebis[4-	
	isocyanatocyclohexane], compd. with N,N-	
125826-44-0	diethylethanamine	4B
	Hexanedioic acid, polymer with N-(2-	
	aminoethyl)-1,3-propanediamine, aziridine.	
	(chloromethyl)ovirane 1.2-ethanediamine NIN"-	
	(chloromethy)oxitalie, 1,2-ethaliediamine, 1,1,1 -	
	1,2-emaneolylois[1,3-propaneolamine], formic	
	acid and .alphahydro.omegahydroxypoly(oxy-	
	1,2-ethanediyl)	

114133-44-7		4B
111-27-3	1- Hexanol	4B
928-96-1	3- Hexen-1-ol, (Z)-	4B
25213-02-9	1- Hexene, polymer with ethene	4B
7647-01-0	Hydrogen chloride	4B
2809-21-4	1- Hydroxyethylidene-1,1-diphosphonic acid	4B
70142-34-6	12- Hydroxystearic acid-polyethylene glycol copolymer	4B

120-72-9 7439-89-6 20344-49-4 27458-93-1	1H- Indole Iron (Fe) Iron hydroxide oxide (Fe(OH)O) Isooctadecanol	4B 4B 4B 4B
70425-89-7	Isooctyl acrylate-stearyl methacrylate-acrylic acid copolymer	4B
163520-33-0 50-21-5 814-80-2 515-98-0 97676-23-8 8061-52-7	3- ester Lactic acid Lactic acid, calcium salt (2:1) Lactic acid, monoammonium salt Leaves, apple Licorice extract (licorice and licorice derivates) Lignosulfonic acid, calcium salt	4B 4B 4B 4B 4B 4B
8061-51-6 5989-27-5 8001-26-1	Lignosulfonic acid, sodium salt d- Limonene Linseed oil (boiled)	4B 4B 4B
67746-08-1 66071-03-2 7786-30-3 1309-42-8 18917-93-6 10377-60-3 26099-09-2	Linseed oil, polymd. Linseed oil, polymd.,oxidized Magnesium chloride Magnesium hydroxide Magnesium lactate Magnesium nitrate Maleic acid homopolymer	4B 4B 4B 4B 4B 4B 4B 4B
25119-68-0	Maleic acid monobutyl ester-vinyl methyl ether copolymer	4B
25087-06-3 31307-95-6 9011-16-9 37199-81-8 25266-02-8	Maleic acid monoethyl ester-vinyl methyl ether copolymer Maleic acid monoisopropyl ester-vinyl methyl ether copolymer Maleic anhydride - methylvinyl ether copolymer Maleic anhydride, polymer with 2,4,4-trimethylpentene, sodium salt Maleic anhydride-1-octadecene copolymer	4B 4B 4B 4B 4B
60092-15-1 7785-87-7 1344-43-0 66402-68-4	Maleic anhydride-methylstyrene copolymer, sodium salt Manganese sulfate Manganous oxide Metakaolin Methacrylic acid-methyl methacrylate-polyethylene glycol	4B 4B 4B 4B
63-68-3 103-26-4 61788-60-1	L- Methionine Methyl cinnamate Methyl esters of cottonseed oil	4B 4B 4B 4B
119724-54-8 112-62-9 99-76-3 124-10-7	Methyl methacrylate-methacrylic acid- monomethoxypolyethylene glycol methacrylate copolymer Methyl oleate Methyl p-hydroxybenzoate Methyl tetradecanoate	4B 4B 4B 4B

25153-40-6	Methyl vinyl ether-maleic acid copolymer Methyl vinyl ether-maleic acid copolymer calcium sodium	4B
62386-95-2	salt	4B
	Milk (raw and processed forms)	4B
68514-61-4	Milk, hydrolyzed	4B
	Naphthalenesulfonic acid, polymer with formaldehyde,	
9084-06-4	sodium salt	4B
58846-77-8	N-Decyl glucoside	4B
7697-37-2	Nitric acid	4B
	Nitrogen fixing bacteria	4B
26027-38-3	p- Nonylphenol, ethoxylated	4B
9081-17-8	Nonylphenol, ethoxylated, monoether with sulfuric acid	4B
	Nonylphenol, ethoxylated, monoether with sulfuric acid,	
9014-90-8	sodium salt	4B
	Nonylphenol, ethoxylated, monoether with sulfuric acid,	
57451-03-3	triethanolamine salt	4B
51609-41-7	4- Nonviphenol, ethoxylated, phosphate ester	4B
51811-79-1	Nonylphenol, ethoxylated, phosphate ester	4B
37340-60-6	Nonylphenol, ethoxylated, phosphate ester, sodium salt	4B
	Octadecanoic acid, 12-hydroxy-, homopolymer,	
58128-22-6	octadecanoate	4B
637-12-7	Octadecanoic acid, aluminum salt	4B
143-28-2	9- Octadecen- 1 -ol, (9Z)-	4B
544-60-5	9- Octadecenoic acid (9Z)-, ammonium salt	4B
124-07-2	Octanoic acid	4B
41444-50-2	Octyl glucoside	4B
31800-88-1	Octyloxypoly(ethyleneoxy)ethyl phosphate	4B
72869-69-3	Oils, apricot	4B
8015-73-4		4B
8021-28-1	Oils, Fir	4B
8000-46-2	Oils, geranium	4B
8007-08-7	Oils, ginger	4B
8016-20-4	Oils, grapetruit	4B
68153-10-6	Olis, lard, sulfated, sodium salts,	4B
8022-15-9	Oils, lavandin Oils, Masadamia	4B
128497-20-1	Oils, Macadamia Oils, manhadan, avidized	4B
0000 50 4		4B
9000-50-4	Oils, oakmoss-resinoid (CA INDEX NAME)	4B
122528 04 4	Oils, orange-juice	4B
132538-94-4	Oils, orange-juice, citrus sinensis	4B
8014-19-5	Oils, paimarosa	4B
8000-25-7	Oils, rosemary	4B
0UZZ-00-0 9016 95 1	Oils, saye	4Ď ⊿D
0010-00-1 9016 06 4		4Ď ⊿D
0010-90-4 9002 72 0		4Ď ⊿D
0002-12-0	Orinons, on Orango ail	4Ď ⊿D
0000-07-9	Orange awaat valansia syt	4D
91100-JU-D	Orange, Sweet, Valencia, ext.	4D

71526-07-3	1- Oxa-4-azaspiro[4.5]decane, 4-(dichloroacetvl)-	4B
68441-17-8	Oxidized polyethylene	4B
61725-89-1	Oxirane methyl-, polymer with oxirane, tridecyl ether	4B
39362-51-1	Oxirane, methyl-, polymer with oxirane, acetate	4B
9038-29-3	Oxirane, methyl-, polymer with oxirane, decyl ether	4B
	Oxirane, methyl, polymer with oxirane, mono C6-C10 alkyl	
68585-15-9	ethers, phosphates	4B
	Oxirane, methyl-, polymer with oxirane, mono[2-(2-	
	butoxyethoxy) ethyl] ether	
85637-75-8		4B
	Oxirane, methyl-, polymer with oxirane, mono[3-[1,3,3,3-	
134180-76-0	tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl]propyl] ether	4B
	Oxirane, methyl-, polymer with oxirane, mono-2-propenyl	
9041-33-2	ether	4B
	Oxirane, methyl-, polymer with oxirane, monoacetate, 2-	
56090-69-8	propenyl ether	4B
61827-84-7	Oxirane, methyl-, polymer with oxirane, octyl ether	4B
7782-44-7	Oxygen	4B
68476-82-4	Peanut meal	4B
	Peanut shells	4B
	Peanuts (raw and processed forms)	4B
	Pecan shell flour	4B
9000-69-5	Pectin	4B
78-23-9	Pentaerythritol monostearate	4B
115-83-3	Pentaerythritol tetrastearate	4B
8009-03-8	Petrolatum	4B
7664-38-2	Phosphoric acid	4B
7757-93-9	Phosphoric acid, calcium salt (1:1)	4B
7758-23-8	Phosphoric acid, calcium salt (2:1)	4B
7757-86-0	Phosphoric acid, magnesium salt (1:1)	4B
13092-66-5	Phosphoric acid, magnesium salt (2:1)	4B
7757-87-1	Phosphoric acid, magnesium salt (2:3)	4B
7778-53-2	Phosphoric acid, tripotassium salt	4B
7779-90-0	Phosphoric acid, zinc salt (2:3)	4B
8002-09-3	Pine oil	4B
80-56-8	alpha- Pinene	4B
25719-60-2	beta- Pinene homopolymer	4B
	Poly(ov-1 2-ethandiyl) alpha -acetyl- omega -[3-{1 3 3 3-	
125997-17-3	tetramethyl-1-[(trimethylsilyl)oxyldisiloxanyl]propoxy)-	4B
120007 17 0	Poly(oxy-1 2-ethanediyl) alpha -bydro- omega -bydroxy-	ΨD
68908-64-5	mono-C10-12-alkyl ethers, phosphates	4B
	Poly(oxy-1,2-ethanedivl), .alphaalphalphaalpha.'-[[methvl[3-	
68601-19-5	(tridecyloxy)propylliminoldi-2,1-ethanedivl	4B
	Poly(oxy-1,2-ethanedivl), .alphaalpha.'-	_
	phosphinicobis[.omegahydroxy-, di-C13-15-alkvl ethers.	
73050-08-5	sodium salts	4B

	Poly(oxy-1,2-ethanediyl), .alpha3-[1,3,3,3-tetramethyl-1-	
67674-67-3	[(trimethylsilyl)oxy]disiloxanyl]propyl]-omegahydroxy- Poly(oxy-1,2-ethanediyl), .alphahydroomegahydroxy-,	4B
143819-63-0	monoether with (hydroxymethyl)decane Poly(oxy-1,2-ethanediyl), .alphasulfoomega[tris(1-	4B
119432-41-6	phenylethyl)phenoxy]- ammonium salt Poly(oxy-1 2-ethanediyl), alpha-hydro-omega-hydroxy-	4B
59800-21-4	ether with D-glucitol (6:1), (z)-9-octadecenoate	4B
68130-47-2	mono-C8-10-alkyl ethers, phosphates	4B
69364-63-2	hydroxy- Poly(oxy-1,2-ethanediyl), alpha-isotridecyl-omega-bydroxy-	4B
73038-25-2	, phosphate	4B
27252-80-8	(2-propenyloxy)- (CA INDEX NAME) Poly(oxy-1,2-ethanediyl), alpha-methyl-omega- [3-[1,3,3,3-tetramethyl-1-	4B
27306-78-1	[(trimethylsilyl)oxy]disiloxanyl]propoxy]-(2- propenyloxy)- Poly(oxy-1,2-ethanediyl),.alpha	4B
73050-07-4	ethers, sodium salts	4B
27274-31-3	hydroxy-	4B
78330-24-2	Poly(oxy-1,2-ethanediyl),.alphahydroomegahydroxy-, mono-C11-14-isoalkyl ethers, C13-rich, phosphates Poly(oxy-1 2-ethanediyl), alpha -phosphono- omega -	4B
73050-09-6	hydroxy-,C13-15-alkyl ethers, disodium salts Poly(oxy-1 2-ethanediyl), alpha -undecyl- omega -bydroxy-	4B
127036-24-2	, branched and linear Poly(oxy-1,2-ethanediyloxycarbonyl-1,4-phenyleneca	4B
25038-59-9 56388-96-6	rbonyl Poly(oxyethylene)tridecylacetic acid Poly(oxyethylene/oxypropylene) monoalkyl(C6-C10)ether	4B 4B
102900-02-7	sodium fumarate adduct	4B
63231-81-2	Poly(vinylpyrrolidone-1-hexadecene)	4B
27937-16-4	Poly[imino(1-oxo-1,12-dodecanediyl)] Poly[oxy(methyl-1,2-ethanediyl)], alpha-(methylphenyl)-	4B
9064-13-5	omega-hydroxy- Poly[oxy(methyl-1,2-ethanediyl)],.alpha(1-oxopropyl)-	4B
74775-06-7	.omega(tetradecyloxy)- Poly[oxy(methyl-1,2-ethanediyl)],.alpha[2-[bis(2- hydroxyethyl)amino]propyl]omegahydroxy-, ether with.alphahydro.omegahydroxypoly(oxy-1,2-	4B
176022-82-5	ethanediyl) (1:2), mono-C12-16-alkyl ethers	4B
9003-05-8	Polyacrylamide	4B
63428-83-1 25322-68-3	Polyamide resins Polyethylene glycol	4B 4B

9014-85-1	Polyethylene glycol ether with 1,4-diisobutyl-1,4- dimethylbutynediol (2:1) Polyethylene glycol ether with 2.2'-methylenebis(4-(tert-	4B
41928-09-0	octyl)phenol) (2:1)	4B
60874-89-7	Polyethylene glycol ether with methylenebis(diamylphenol)	4B
55069-68-6	dodecanoic and oleic acids	4B
99734-09-5	Polyethylene alycol mono(tristyrylphenyl)ether	4R
00101000	Polyethylene glycol nonvlphenyl ether phosphate	
59139-23-0	ethanolamine salt	4B
	Polvethylene glycol nonviphenyl ether phosphate	
67922-57-0	magnesium salt	4B
	Polyethylene glycol nonylphenyl ether phosphate	
52503-15-8	potassium salt	4B
	Polyethylene glycol-polyisobutenyl anhydride-tall oil fatty	
68650-28-2	acid copolymer	4B
	Polyethylene glycol-polyisobutenyl anhydride-tall oil fatty	
132175-04-3	acid copolymer	4B
9003-68-3	Polyethylene terephthalate	4B
24938-04-3	Polyethylene terphthalate - polyethylene isophthalate film	4B
9038-95-3	Polyethylene-polypropylene glycol, monobutyl ether	4B
63705-03-3	Polyglycerol diisostearate	4B
66070-87-9	Polyglyceryl phthalate ester of coconut oil fatty acid	4B
	Polymer of n-butyl acrylate, methyl methacryalate,	
	methacrylic acid and aminopropyl methacrylate	4B
	Polymer of vinyl acetate, n-butyl acrylate, vinyl chloride,	
30938-41-1	and acrylic acid	4B
9003-49-0	Polymerized butyl acrylate	4B
9011-14-7	Polymethyl methacrylate	4B
9036-19-5	Polyoxyethylene (1,1,3,3-tetramethylbutyl)phenyl ether	4B
60828-78-6	Polyoxyethylene 2,6,8-trimethyl-4-nonyl ether	4B
9014-93-1	Polyoxyethylene dinonylpheno	4B
9005-07-6	Polyoxyethylene dioleate	4B
9005-08-7	Polyoxyethylene distearate	4B
20030-40-0	Polyoxyethylene docosyl einer	4D 4D
9002-92-0	Polyoxyethylene dodecyl mono etner	4D 4D
9014-92-0	Polyoxyethylene addecylpheno Rolyoxyethylene aster of resin	4D 10
51102 00 7	Polyoxyethylene ester or rosin Relyoxyethylene glycerin menoelecto	4D 10
0001-08-2	Polyoxyethylene mono(cis-9-octadecenyl) other	4D 1R
9004-90-2 26183-52-8	Polyoxyethylene monodecyl ether	4D 1R
26636-30-5	Polyoxyethylene monoeicosyl ether	4D /R
20030-39-3	Polyoxyethylene monobexadecyl ether	4D /R
9004-93-9	Polyoxyethylene monolaurate	4D 4R
9004-01-3	Polyoxyethylene monooctadecyl ether	4D 4R
9004-96-0	Polyoxyethylene monooleate	4R
9004-99-3	Polyoxyethylene monostearate	4R
27306-79-2	Polyoxyethylene monotetradecyl ether	4B
9016-45-9	Polyoxyethylene nonylpheno	4B
51617-79-9	Polyoxyethylene octadecylpheno	4B
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37280-82-3	Polyoxyethylene polyoxypropylene phosphate	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
31307-92-3	Polyoxyethylene sorbitol	4B
57171-56-9	Polyoxyethylene sorbitol hexaoleate	4B
9011-29-4	Polyoxyethylene sorbitol hexastearate	4B
61824-34-8	Polyoxyethylene sorbitol pentaoleate	4B
63089-86-1	Polyoxyethylene sorbitol tetraoleate	4B
163436-84-8	Polyoxyethylene tristyrylphenol phosphate, potassium salt	4B
9003-11-6	Polyoxyethylene-polyoxypropylene copolymer	4B
37286-64-9	Polyoxypropylene monomethyl ether	4B
25231-21-4	Polyoxypropylene monostearyl ether	4B
	Polyphosphoric acids, esters with polyethylene glycol	
68458-49-1	nonylphenyl ether	4B
9003-07-0	Polypropylene	4B
25322-69-4	Polypropylene glycol	4B
31394-71-5	Polypropylene glycol monooleate	4B
9003-53-6	Polystyrene resin	4B
53504-41-9	Polyurethane	4B
9003-20-7	Polyvinyl acetate	4B
9002-89-5	Polyvinyl alcohol	4B
9002-86-2	Polyvinyl chloride resin	4B
9003-39-8	Polyvinylpyrrolidone	4B
25086-89-9	Polyvinylpyrrolidone-vinyl acetate copolymer	4B
61789-30-8	Potassium coconut oil soap	4B
1310-58-3	Potassium hydroxide	4B
14977-37-8	Potassium magnesium sulfate (Mg2K2(SO4)3)	4B
7758-11-4	Potassium phosphate (dibasic)	4B
7778-77-0	Potassium phosphate, monobasic	4B
69669-25-6	Potassium salts of fatty acids (C12-C20)	4B
67701-09-1	Potassium salts of fatty acids (C8-18 and C18 unsatd.)	4B
59766-31-3	Potassium titanium oxide (K2Ti8O17)	4B
	Propanesulfonic acid, 2-hydroxy-3-(2-propenyloxy)-	
78266-09-8	1- ,monosodium salt, polymer with 2-propenoic acid	4B
	Propanetricarboxylic acid, 2-hydroxy-, iron (3+) salt (1:1),	
17217-76-4	1,2,3- trihydrate	4B
74504-64-6	1.2.3- Propanetriol, homopolymer, dodecanoate	4B
79-09-4	Propanoic acid	4B
67-63-0	2- Propanol	4B
71-23-8	1- Propanol	4B
	Propenenitrile, polymer with 1.2.4-triethenvlcvclohexane.	
109961-42-4	2- hydrolyzed	4B
9003-18-3	2- Propenenitrile, polymer with 1.3-butadiene	4B
	Propenenitrile, polymer with 1.3-butadiene and	
9003-56-9	2- ethenylbenzene	4R

24938-16-7	Propenoic acid, 2-methyl-, butyl ester, polymer with 2- (dimethylamino)ethyl 2-methyl-2-propenoate and methyl 2- 2- methyl-2-propenoate	4B
	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	
63150-03-8	2- and tridecyl 2-methyl-2-propenoate Propenoic acid, 2-methyl-, polymer with butyl 2-methyl-2-	4B
71394-17-7	propenoate, ethenylbenzene, 2-ethylhexyl 2-propenoate 2- and methyl 2methyl-2-propenoate	4B
06070 77 0	Propenoic acid, 2-methyl-, polymer with ethenylbenzene,	40
20873-77-8	Propenoic acid, 2-methyl-, polymer with ethyl 2- propenoic acid, 2-methyl-, polymer with ethyl 2-	4B
55989-05-4	2- ammonium salt Propenoic acid, 2-methyl-, polymer with ethyl 2-	4B
41487-53-0	2- propenoate, sodium salt	4B
90511 70 F	Propenoic acid, 2-methylpolymer with ethyl 2-propenoate	1 D
09511-79-5	Propenoic acid, butyl ester, polymer with ethenylbenzene	4D
30795-23-4	2- and 2-ethylhexyl 2-propenoate Propenoic acid, butyl ester, polymer with ethyl 2-	4B
29437-34-1	2- propenoate and 2-propenenitrile	4B
25608-12-2	2- Propenoic acid, homopolymer, potassium salt Propenoic acid, polymer with 1,3-butadiene and	4B
25085-39-6	2- ethenylbenzene Propenoic acid, polymer with 2-hydroxypropyl 2-	4B
86864-96-2	2- propenoate and sodium 2-propenoate Propenoic acid, polymer with 2-propanol, reaction	4B
114033-68-0	2- products with sodium acrylate	4B
9033-79-8	2- Propenoic acid, polymer with sodium 2-propenoate	4B
94-13-3	Propyl p-hydroxybenzoate	4B
57-55-6	Propylene glycol	4B
9005-37-2	Propylene glycol alginate	4B
58-08-2	1H- Purine-2,6-dione, 3,7-dihydro-1,3,7-trimethyl-	4B
12269-78-2	Pyrophyllite	4B
28211-18-9	2- Pyrrolidinone, 1-ethenyl-, polymer with 1-eicosene	4B
73891-99-3	Rape oil, Me ester	4B
8023-77-6	Resins, oleo-, capsicum	4B
81-88-9	Rhodamine B (conforming to 40 CFR 180.2020)	4B
	Rosin, fumarated, polymer with ethylene glycol and	45
68152-57-8	pentaerythritol (CA INDEX NAME)	4B
68333-69-7	Rosin, maleated, polymer with pentaerythritol	4B
	Sano	4B ⊿⊡
	Secondaria 111 trimothyl N (trimothylaiky) kystystysis	4B
69000 20 6	Silanamine, 1,1,1-trimetryi-iv-(trimetryisiiyi)-, nydrolysis	4 D
00909-20-0	products with silica Silana, dichlorodimathul, repetion products with silica	4Ď ⊿₽
00011-44-9	Shane, dichlorodimetriyi-, reaction products with silica	4D

1343-98-2	Silicic acid	4B
13870-28-5	Silicic acid (H2Si2O5), disodium salt	4B
6834-92-0	Silicic acid (H2SiO3), disodium salt	4B
15593-82-5	Silicic acid (H6Si2O7), hexasodium salt	4B
10213-79-3	Silicic acid, disodium salt, pentahydrate	4B
1312-76-1	Silicic acid, potassium salt	4B
1344-09-8	Silicic acid, sodium salt	4B
63148-62-9	Silicones and siloxanes, dimethyl	4B
	Silkworm pupae	4B
	Siloxanes and silicones, 3-hydroxypropyl Me, ethers with	
117272-76-1	polyethylene glycol mono-Me ether	4B
	Siloxanes and silicones, di-Me, 3-hydroxypropyl Me,	
68554-64-3	ethers with polyethylene glycol mono-Me ether	4B
	Siloxanes and silicones, di-Me, 3-hydroxypropyl Me,	
68938-54-5	ethers with polyethylene glycol mono-Me ether	4B
	Siloxanes and silicones, di-Me, 3-hydroxypropyl Me,	
67762-87-2	ethers with polyethylene-polypropylene glycol	4B
	Siloxanes and silicones, di-Me, 3-hydroxypropyl Me,	
68440-66-4	ethers with polypropylene glycol mono-Bu ethe	4B
	Siloxanes and silicones, di-Me, 3-hydroxypropyl Me,	
68937-55-3	ethoxylated propoxylated	4B
	Siloxanes and silicones, di-Me, Me hydrogen, reaction	
68037-62-7	products with polyethylene glycol monoacetate	4B
	Siloxanes and silicones, di-Me, hydroxy-terminated, ethers	
67762-96-3	with polypropylene glycol mono-Bu ether	4B
67701-10-4	Soap: (Fatty acids, C8-18 and C18-unsatd., sodium salts)	4B
7758-16-9	Sodium acid pyrophosphate	4B
25085-02-3	Sodium acrylate, polymer with acrylamide	4B
1302-42-7	Sodium aluminate	4B
7785-88-8	Sodium aluminum phosphate	4B
134-03-2	Sodium ascorbate	4B
577-11-7	Sodium bis(2-ethylhexyl) sulfosuccinate	4B
7681-38-1	Sodium bisulfate	4B
7647-15-6	Sodium bromide	4B
126-96-5	Sodium diacetate	4B
7558-80-7	Sodium dihydrogen phosphate	4B
1639-66-3	Sodium dioctyl sulfosuccinate	4B
7681-49-4	Sodium fluoride	4B
10124-56-8	Sodium hexametaphosphate	4B
1310-73-2	Sodium hydroxide	4B
7681-53-0	Sodium hypophosphite	4B
7631-99-4	Sodium nitrate	4B
7632-05-5	Sodium phosphate	4B
137-40-6	Sodium propionate	4B
533-96-0	Sodium sesquicarbonate	4B
8052-48-0	Sodium tallow soap	4B
868-18-8	Sodium tartrate	4B
7772-98-7	Sodium thiosulfate	4B
10102-17-7	Sodium thiosulfate, pentahydrate	4B
54116-08-4	Sodium tridecylpoly(oxyethylene) sulfate	4B
7758-29-4	Sodium tripolyphosphate	4B

110-44-1	Sorbic acid	4B
26266-57-9	Sorbitan monohexadecanoate	4B
1338-41-6	Sorbitan monostearate	4B
68646-20-4	Sorbitol tall oil fatty acid sesquiester, ethoxylated	4B
68513-95-1	Soy flour	4B
68308-36-1	Soybean meal	4B
61791-23-9	Soybean oil, ethoxylated	4B
	Soybean oil, polymer with ethylene glycol, glycerol,	
67762-09-8	pentaerythritol and phthalic anhydride	4B
	Soybean oil, polymer with isophthalic acid, linseed oil and	
68309-49-9	trimethylolpropane	4B
66071-16-7	Soybean oil, polymer with maleic anhydride	4B
	Soybean oil, polymer with phthalic anhydride, trimellitic	
68131-29-3	anhydride and trimethylolpropane	4B
	Soybeans (raw and processed forms)	4B
8008-79-5	Spearmint oil	4B
63798-35-6	Starch acetate adipate	4B
65996-63-6	Starch, acid-hydrolyzed	4B
9063-38-1	Starch, carboxymethyl ether, sodium salt	4B
9011-13-6	Styrene - maleic anhydride resin	4B
25085-34-1	Styrene acrylic acid copolymer	4B
	Styrene, polymer with methacrylic acid and	
68630-83-1	polyethoxylated (Z)-2-butenedioic acid	4B
9003-70-7	Styrene-divinyl benzene copolymer resin matrix	4B
	Styrene-methyl methacrylate-2-ethylhexyl acrylate	
25750-06-5	copolymer	4B
8002-33-3	Sulfated castor oil	4B
10025-67-9	Sulfur chloride	4B
	Sulfur Coated Urea	4B
7664-93-9	Sulfuric acid	4B
68919-54-0	Suntiower-oil fatty acids, Me ester	4B
8028-48-6		4B
14807-96-6		4B
8030-12-4	Tallow, nydrogenated	4B
104133-09-7	I etraetnoxysilane, polymer with nexamethyldislioxane	4B
811-97-2	1,1,1,2- Tetranuoroetnane	4B
7320-34-3 59 56 0	Tetrapolassium pyrophosphale	4D
56-56-0		4D
13463-67-7	Titanium dioxide	4D /R
13403-07-7	Tree puts (raw and processed forms)	4D /R
	Triazine-2.4.6-triamine, polymer with formaldehyde	40
68002-20-0	1 3 5- methylated	4R
7758-87-4	Tricalcium phosphate	4R
26915-70-8	Tridecanol, ethoxylated, phospate ester	4R
15468-32-3	Tridymite $(SiO2)$	4R
10100 02 0	Triethanolamine compd with poly(oxyethylene)	0
105362-40-1	tristyrylphenyl ether phosphate	4R
1317-95-9	Tripoli	4B
	· · · F - · ·	
	Alpha-Tris[1-(phenyl)ethyl}phenyl]-omega-	
132580-45-1	[2,4,6- hydroxypoly(oxyethylene)poly(oxypropylene) copolymer	4B

7601-54-9	Trisodium phosphate	4B
73-22-3	L- Tryptophan	4B
9011-05-6	Urea-formaldehyde resin	4B
	Vinyl acetate, polymer with methyl acrylate and methyl	
28430-58-2	methacrylate	4B
25067-01-0	Vinyl acetate, polymer with n-butyl acrylate	4B
25085-41-0	Vinyl acetate-butyl acrylate-acrylic acid terpolymer	4B
25213-24-5	Vinyl alcohol-vinyl acetate copolymer	4B
9003-22-9	Vinyl chloride - vinyl acetate copolymer	4B
25086-48-0	Vinyl chloride, vinyl acetate and vinyl alcohol copolymer	4B
28062-44-4	Vinyl pyrrolidone-acrylic acid copolymer	4B
	Vinyl pyrrolidone-dimethylaminoethylmethacrylate	
30581-59-0	copolymer	4B
25086-29-7	Vinylpyrrolidinone-styrene polymer	4B
68-26-8	Vitamin A	4B
12001-76-2	Vitamin B complex	4B
68-19-9	Vitamin B12	4B
67-97-0	Vitamin D3	4B
	Wheat (raw and processed forms)	LISTNO
130498-22-5	Wheat flour	4B
68608-58-2	Whey	4B
	Wood flour	4B
58-86-6	D- Xylose	4B
7440-66-6	Zinc (metallic)	4B
7779-88-6	Zinc nitrate	4B