

Safety Data Sheet

**Section 1: Identification of the Substance/Mixture and of the Company/Undertaking****1.1 Product identifier**

Product Name	• RBF105 Tan Gum
Synonyms	• RBF105
Product Code	• 99-957-063; 99-957-125; 99-958-063; 99-958-125; 99-958-250; EXP107-13-001

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified use(s)	• Vulcanized Rubber Parts
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1.3 Details of the supplier of the safety data sheet

Manufacturer	• Patch Rubber Company 100 Patch Rubber Road Weldon, NC 27890 United States
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Telephone (General) • (252)-536-2574

Responsible Party - EU	• Christian Gimenez Intertek Analytical Services France France
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Telephone (Technical) • 33 (0) 6 07 11 22 15

1.4 Emergency telephone number

Manufacturer	• 1-800-424-9300 - CHEMTREC
Manufacturer	• +1 703-527-3887 - CHEMTREC - Outside USA & CANADA (collect calls accepted)

Section 2: Hazards Identification**EU/EEC**

According to Regulation (EC) No 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]
According to EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

2.1 Classification of the substance or mixture

CLP	• Not classified
DSD/DPD	• Not classified

2.2 Label Elements

CLP

Hazard statements • No label element(s) required

DSD/DPD

Risk phrases • No label element(s) required.

2.3 Other Hazards

CLP

- According to Regulation (EC) No. 1272/2008 (CLP) this material is not considered hazardous.

DSD/DPD

- According to European Directive 1999/45/EC this preparation is not considered dangerous.

United States (US)

According to OSHA 29 CFR 1910.1200 HCS

2.1 Classification of the substance or mixture

OSHA HCS 2012

- Skin Sensitization 1 - H317

2.2 Label elements

OSHA HCS 2012

WARNING



Hazard statements • May cause an allergic skin reaction - H317

Precautionary statements

- Prevention** • Avoid breathing dust/fume. - P261
Contaminated work clothing should not be allowed out of the workplace. - P272
Wear protective gloves and eye/face protection, . - P280
- Response** • If on skin: Wash with plenty of water .
Specific treatment, see supplemental first aid information. - P321
If skin irritation or rash occurs: Get medical advice/attention. - P333+P313
Wash contaminated clothing before reuse. - P363

2.3 Other hazards

OSHA HCS 2012

- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

Canada

According to WHMIS

2.1 Classification of the substance or mixture

WHMIS

- Other Toxic Effects - D2B

2.2 Label elements

WHMIS



- Other Toxic Effects - D2B

2.3 Other hazards

WHMIS

- In Canada, the product mentioned above is considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).

Section 3 - Composition/Information on Ingredients

3.1 Substances

- Material does not meet the criteria of a substance in accordance with Regulation (EC) No 1272/2008.

3.2 Mixtures

Composition					
Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive	Comments
1,3-Butadiene, 2-methyl-, oligomer	CAS:9003-31-0	30% TO 60%	NDA	EU DSD/DPD: Not Classified EU CLP: Not Classified OSHA HCS 2012: Not Classified	NDA
Kaolin	CAS:1332-58-7	15% TO 40%	NDA	EU DSD/DPD: Not Classified EU CLP: Not Classified OSHA HCS 2012: Not Classified	NDA
Styrene polymer with 1,3-butadiene (Kraton)	CAS:9003-55-8	10% TO 30%	NDA	EU DSD/DPD: Not Classified EU CLP: Not Classified OSHA HCS 2012: Not Classified	NDA
Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	CAS:64742-52-5 EINECS:265-155-0	5% TO 10%	NDA	EU DSD/DPD: Self Classified: Carc. Cat. 2; R45; Xi, R38 EU CLP: Self Classified: Carc. 1B, H350; Skin Irrit. 2, H315 OSHA HCS 2012: Skin Irrit. 2	NDA
Zinc oxide	CAS:1314-13-2 EINECS:215-222-5	1% TO 5%	NDA	EU DSD/DPD: Annex VI, Table 3.2: N; R50-53 EU CLP: Annex VI, Table 3.1: Aquatic Acute 1, H400; Aquatic Chronic 1, H410 OSHA HCS 2012: Eye Irrit. 2B	NDA
Titanium dioxide	CAS:13463-67-7 EINECS:236-675-5	0.1% TO 1%	NDA	EU DSD/DPD: Self Classified: Carc. 3 R40; N R51-53 EU CLP: Self Classified: Carc. 2, H351 OSHA HCS 2012: Carc. 2	NDA
Sulfur homopolymer	CAS:9035-99-8	0.1% TO 1%	NDA	EU DSD/DPD: Not Classified EU CLP: Not Classified OSHA HCS 2012: Not Classified	NDA
Stearic acid	CAS:57-11-4 EINECS:200-313-4	0.1% TO 1%	Skin-Rabbit LD50 • >5 g/kg Ingestion/Oral-Rat LD50 • 4600 mg/kg	EU DSD/DPD: Self Classified: Xi R38 EU CLP: Self Classified: Skin Irrit. 2, H315 OSHA HCS 2012: Skin Irrit. 2	NDA
Rosin	CAS:8050-09-7 EINECS:232-475-7	0.1% TO 1%	Inhalation-Rat LC50 • 110 mg/m ³ Ingestion/Oral-Rat LD50 • 3 mg/kg	EU DSD/DPD: Annex VI, Table 3.2: R43 EU CLP: Self Classified: Skin Sens. 1, H317 OSHA HCS 2012: Acute Tox. 1 (Oral); Skin Sens. 1	NDA
Quartz	CAS:14808-60-7 EINECS:238-878-4	0.1% TO 1%	NDA	EU DSD/DPD: Self Classified: Carc. Cat. 1; R45; T; R48/24 EU CLP: Self Classified: Carc. 1A, H350; STOT RE 1(Lungs), H372 OSHA HCS 2012: Carc. 1A; STOT RE 1 (Lungs)	NDA

Piperidine, 1,1'-(tetrathiodicarbonothioyl)bis-	CAS:120-54-7 EINECS:204-406-0	0.1% TO 1%	NDA	EU DSD/DPD: Not Classified EU CLP: Not Classified OSHA HCS 2012: Not Classified	NDA
Limestone	CAS:1317-65-3 EINECS:215-279-6	0.1% TO 1%	NDA	EU DSD/DPD: Self Classified: Xn, R48/20 EU CLP: Self Classified: STOT RE 2 (Lung, Inhalation), H373 OSHA HCS 2012: STOT RE 2 (Lung, Inhalation)	NDA
Iron oxide	CAS:1309-37-1 EINECS:215-168-2	0.1% TO 1%	NDA	EU DSD/DPD: Not Classified EU CLP: Not Classified OSHA HCS 2012: Not Classified	NDA
Fatty acids, tall oil	CAS:61790-12-3 EINECS:263-107-3	0.1% TO 1%	Ingestion/Oral-Rat LD50 • >10000 mg/kg	EU DSD/DPD: Not Classified EU CLP: Not Classified OSHA HCS 2012: Not Classified	NDA
Dipentamethylenethiuram hexasulfide	CAS:971-15-3 EINECS:213-537-2	0.1% TO 1%	NDA	EU DSD/DPD: Not Classified EU CLP: Not Classified OSHA HCS 2012: Not Classified	NDA
Benzothiazole, 2,2'-dithiobis-	CAS:120-78-5 EINECS:204-424-9	0.1% TO 1%	Ingestion/Oral-Rat LD50 • >12 g/kg Skin-Rabbit LD50 • >7940 mg/kg	EU DSD/DPD: Annex VI, Table 3.2: R31 R43 N; R50-53 EU CLP: Annex VI, Table 3.1: Skin Sens. 1, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410 OSHA HCS 2012: Skin Sens. 1A; Eye Irrit. 2	NDA
Benzenamine, 4-(1-methyl-1-phenylethyl)-N-(4-(1-methyl-1-phenylethyl)phenyl)-	CAS:10081-67-1 EINECS:233-215-5	0.1% TO 1%	Ingestion/Oral-Rat LD50 • >10000 mg/kg	EU DSD/DPD: Not Classified EU CLP: Not Classified OSHA HCS 2012: Not Classified	NDA
Benzanilide, 2,2''-dithiobis-	CAS:135-57-9 EINECS:205-201-9	0.1% TO 1%	Ingestion/Oral-Rat LD50 • >4 g/kg	EU DSD/DPD: Self Classified: Xi, R43 EU CLP: Self Classified: Skin Sens. 1, H317 OSHA HCS 2012: Skin Sens. 1	NDA
2-Benzothiazolesulfenamide, N-tert-butyl-	CAS:95-31-8 EINECS:202-409-1	0.1% TO 1%	Skin-Rabbit LD50 • >7940 mg/kg Ingestion/Oral-Rat LD50 • >6000 mg/kg	EU DSD/DPD: Self Classified: Xi, R43, R36/37/38; Xn, R48/22 EU CLP: Self Classified: Skin Sens. 1, H317; STOT RE 2 (Blood, Liver, Kidney), H373; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3: Resp. Irrit., H335 OSHA HCS 2012: Skin Sens. 1; STOT RE 2 (Blood, Liver, Kidney); Skin Irrit. 2; Eye Irrit. 2A; STOT SE 3: Resp. Irrit.	NDA
Propionic acid	CAS:79-09-4 EINECS:201-176-3	< 0.1%	Ingestion/Oral-Rat LD50 • 2600 mg/kg Skin-Rabbit LD50 • 500 µL/kg	EU CLP: Community workplace exposure limit OSHA HCS 2012: Exposure limit(s)	NDA
Calcium silicate	CAS:1344-95-2 EINECS:215-710-8	< 0.1%	NDA	EU CLP: Community workplace exposure limit OSHA HCS 2012: Exposure limit(s)	NDA

See Section 11 for Toxicological Information. See section 16 for full text of H-statements and R-phrases.

Section 4 - First Aid Measures

4.1 Description of first aid measures

- | | |
|-------------------|--|
| Inhalation | <ul style="list-style-type: none"> Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. |
| Skin | <ul style="list-style-type: none"> In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Get medical attention if symptoms occur. |
| Eye | <ul style="list-style-type: none"> In case of contact with substance, immediately flush eyes with running water for at least 20 minutes. |
| Ingestion | <ul style="list-style-type: none"> First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. |

4.2 Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

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|---------------------------|--|
| Notes to Physician | <ul style="list-style-type: none"> All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. |
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Section 5 - Firefighting Measures

5.1 Extinguishing media

- | | |
|---------------------------------------|---|
| Suitable Extinguishing Media | <ul style="list-style-type: none"> LARGE FIRE: Water spray, fog or regular foam. SMALL FIRES: Dry chemical, CO2, water spray or regular foam. |
| Unsuitable Extinguishing Media | <ul style="list-style-type: none"> No data available. |

5.2 Special hazards arising from the substance or mixture

- | | |
|---|---|
| Unusual Fire and Explosion Hazards | <ul style="list-style-type: none"> Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes. |
| Hazardous Combustion Products | <ul style="list-style-type: none"> No data available. |

5.3 Advice for firefighters

- Structural firefighters' protective clothing will only provide limited protection. Wear positive pressure self-contained breathing apparatus (SCBA). Runoff from fire control may cause pollution.
- LARGE FIRES: Dike fire-control water for later disposal.

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

- | | |
|-----------------------------|---|
| Personal Precautions | <ul style="list-style-type: none"> Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid any skin contact. |
| Emergency Procedures | <ul style="list-style-type: none"> No emergency procedures are expected to be necessary if material is used under ordinary conditions as recommended. |

6.2 Environmental precautions

- Avoid run off to waterways and sewers.

6.3 Methods and material for containment and cleaning up

- | | |
|--------------------------------------|---|
| Containment/Clean-up Measures | <ul style="list-style-type: none"> Pick up pieces and place in container or bag for disposal. For spills of molten product - allow product to cool/solidify and pick or scrape up as a solid. |
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6.4 Reference to other sections

- Refer to Section 8 - Exposure Controls/Personal Protection and Section 13 - Disposal

Considerations.

Section 7 - Handling and Storage**7.1 Precautions for safe handling****Handling**

- Wear appropriate personal protective equipment. Use only with adequate ventilation. Avoid breathing processing vapors. Avoid contact with skin and eyes. Use good safety and industrial hygiene practices.

7.2 Conditions for safe storage, including any incompatibilities**Storage**

- Ventilate enclosed areas.

7.3 Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection**8.1 Control parameters**

Exposure Limits/Guidelines						
	Result	ACGIH	Canada Ontario	Canada Quebec	France	Germany DFG
Propionic acid (79-09-4)	TWAs	10 ppm TWA	10 ppm TWA	10 ppm TWAEV; 30 mg/m ³ TWAEV	10 ppm TWA [VME] (indicative limit); 31 mg/m ³ TWA [VME] (indicative limit)	Not established
					20 ppm STEL [VLCT] (indicative limit); 62 mg/m ³ STEL [VLCT] (indicative limit)	
	STELs	Not established	Not established	Not established		Not established
	Ceilings	Not established	Not established	Not established	Not established	20 ppm Peak; 62 mg/m ³ Peak
	MAKs	Not established	Not established	Not established	Not established	10 ppm TWA MAK; 31 mg/m ³ TWA MAK
Calcium silicate (1344-95-2)	TWAs	10 mg/m ³ TWA (synthetic nonfibrous, particulate matter containing no asbestos and <1% crystalline silica)	10 mg/m ³ TWA (synthetic nonfibrous, containing no Asbestos and <1% Crystalline silica)	10 mg/m ³ TWAEV (synthetic, containing no Asbestos and <1% Crystalline silica, total dust)	Not established	Not established
Rosin (8050-09-7)	TWAs	Not established	exposure by all routes should be carefully controlled to levels as low as possible	0.1 mg/m ³ TWAEV (as Formaldehyde)	0.1 mg/m ³ TWA [VME] (as Formaldehyde)	Not established
Iron oxide (1309-37-1)	TWAs	5 mg/m ³ TWA (respirable fraction)	5 mg/m ³ TWA (respirable)	5 mg/m ³ TWAEV (dust and fume, as Fe); 10 mg/m ³ TWAEV (containing no Asbestos and <1% Crystalline silica, regulated under Rouge, total dust)	5 mg/m ³ TWA [VME] (fume, as Fe)	Not established
				10 mg/m ³ TWAEV		

Titanium dioxide (13463-67-7)	TWAs	10 mg/m3 TWA	10 mg/m3 TWA	(containing no Asbestos and <1% Crystalline silica, total dust)	10 mg/m3 TWA [VME] (as Ti)	Not established
Quartz (14808-60-7)	TWAs	0.025 mg/m3 TWA (respirable fraction)	0.10 mg/m3 TWA (designated substances regulation, respirable, listed under Silica, crystalline)	0.1 mg/m3 TWAEV (respirable dust)	0.1 mg/m3 TWA [VME] (restrictive limit, alveolar fraction)	Not established
Limestone (1317-65-3)	TWAs	Not established	Not established	10 mg/m3 TWAEV (Limestone, containing no Asbestos and <1% Crystalline silica, total dust)	Not established	Not established
Zinc oxide (1314-13-2)	STELs	10 mg/m3 STEL (respirable fraction)	10 mg/m3 STEL (respirable)	10 mg/m3 STEV (fume)	Not established	Not established
	TWAs	2 mg/m3 TWA (respirable fraction)	2 mg/m3 TWA (respirable)	10 mg/m3 TWAEV (containing no Asbestos and <1% Crystalline silica, total dust); 5 mg/m3 TWAEV (fume)	5 mg/m3 TWA [VME] (fume); 10 mg/m3 TWA [VME] (dust)	Not established
	Ceilings	Not established	Not established	Not established	Not established	1 mg/m3 Peak (respirable fraction, fume)
	MAKs	Not established	Not established	Not established	Not established	1 mg/m3 TWA MAK (fume, respirable fraction)
Kaolin (1332-58-7)	TWAs	2 mg/m3 TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction)	2 mg/m3 TWA (containing no Asbestos and <1% Crystalline silica, respirable)	5 mg/m3 TWAEV (containing no Asbestos and <1% Crystalline silica, respirable dust)	10 mg/m3 TWA [VME]	Not established

Exposure Limits/Guidelines (Con't.)

	Result	Germany TRGS	Italy	NIOSH	OSHA
Propionic acid (79-09-4)	STELs	Not established	20 ppm STEL; 62 mg/m3 STEL	15 ppm STEL; 45 mg/m3 STEL	Not established
	TWAs	10 ppm TWA AGW (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed, exposure factor 2); 31 mg/m3 TWA AGW (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed, exposure factor 2)	10 ppm TWA; 31 mg/m3 TWA	10 ppm TWA; 30 mg/m3 TWA	Not established

Calcium silicate (1344-95-2)	TWAs	Not established	Not established	10 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable dust)	15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)
Iron oxide (1309-37-1)	TWAs	Not established	Not established	5 mg/m ³ TWA (dust and fume, as Fe)	10 mg/m ³ TWA (fume); 15 mg/m ³ TWA (total dust, listed under Rouge); 5 mg/m ³ TWA (respirable fraction, listed under Rouge)
Titanium dioxide (13463-67-7)	TWAs	Not established	Not established	Not established	15 mg/m ³ TWA (total dust)
Quartz (14808-60-7)	TWAs	Not established	Not established	0.05 mg/m ³ TWA (respirable dust)	Not established
Limestone (1317-65-3)	TWAs	Not established	Not established	10 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable dust)	15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)
Zinc oxide (1314-13-2)	TWAs	Not established	Not established	5 mg/m ³ TWA (dust and fume)	5 mg/m ³ TWA (fume); 15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)
	Ceilings	Not established	Not established	15 mg/m ³ Ceiling (dust)	Not established
	STELs	Not established	Not established	10 mg/m ³ STEL (fume)	Not established
Kaolin (1332-58-7)	TWAs	Not established	Not established	10 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable dust)	15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)

Exposure Control Notations

Italy

•Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) (64742-52-5): **Carcinogens:** (Category 2 Carcinogen)

Germany DFG

•Kaolin (1332-58-7): **Carcinogens:** (Category 3B (could be carcinogenic for man)) | **Carcinogens:** (Category 3B (could be carcinogenic for man, with the exception of non-bioavailable ferrous oxides)) | **Carcinogens:** (Category 3A (could be carcinogenic for man, inhalable fraction with the exception of ultra small particles)) | **Carcinogens:** (Category 1 (causes cancer in man, alveola fraction)) | **Pregnancy:** (no risk to embryo/fetus if exposure limits adhered to) | **Sensitizers:** (skin sensitizer) | **Sensitizers:** (skin sensitizer)

8.2 Exposure controls

Engineering Measures/Controls

- Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values.

Personal Protective Equipment

Respiratory

- In case of insufficient ventilation, wear suitable respiratory equipment.

Eye/Face

- Wear protective eyewear (goggles, face shield, or safety glasses).

Skin/Body

- Wear appropriate gloves.

General Industrial Hygiene Considerations

- Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Do not get in eyes or on skin or clothing.

Environmental Exposure Controls

- Follow best practice for site management and disposal of waste. Avoid release to the environment.

Key to abbreviations

ACGIH = American Conference of Governmental Industrial Hygiene

NIOSH = National Institute of Occupational Safety and Health

OSHA = Occupational Safety and Health Administration

STEL = Short Term Exposure Limits are based on 15-minute exposures

TWAEV = Time-Weighted Average Exposure Value

TWA = Time-Weighted Averages are based on 8h/day, 40h/week exposures

MAK = Maximale Arbeitsplatz Konzentration is the maximum permissible concentration

Section 9 - Physical and Chemical Properties

9.1 Information on Physical and Chemical Properties

Material Description			
Physical Form	Solid	Appearance/Description	Tan solid rubber with characteristic rubber odor.
Color	Tan	Odor	Rubber
Odor Threshold	Data lacking		
General Properties			
Boiling Point	Data lacking	Melting Point	Data lacking
Decomposition Temperature	Data lacking	pH	Data lacking
Specific Gravity/Relative Density	1.186 Water=1	Water Solubility	Data lacking
Viscosity	Data lacking	Explosive Properties	Not Explosive.
Oxidizing Properties:	Not an Oxidizer.		
Volatility			
Vapor Pressure	Data lacking	Vapor Density	Data lacking
Evaporation Rate	Data lacking		
Flammability			
Flash Point	Data lacking	UEL	Data lacking
LEL	Data lacking	Autoignition	Data lacking
Flammability (solid, gas)	Not Flammable.		
Environmental			
Octanol/Water Partition coefficient	Data lacking		

9.2 Other Information

- No additional physical and chemical parameters noted.

Section 10: Stability and Reactivity

10.1 Reactivity

- No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

- Stable

10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

10.4 Conditions to avoid

- No data available.

10.5 Incompatible materials

- None known.

10.6 Hazardous decomposition products

- Carbon Monoxide, Carbon Dioxide, Smoke, Aliphatics, Aromatics, Sulfur Oxides.

Section 11 - Toxicological Information

11.1 Information on toxicological effects

Component Name	CAS	Data
Styrene polymer with 1,3-butadiene (Kraton) (10% TO 30%)	9003-55-8	Irritation: eye-rbt 500 mg/24H MLD
Fatty acids, tall oil (0.1% TO 1%)	61790-12-3	Acute Toxicity: orl-rat LD50:>10000 mg/kg
Rosin (0.1% TO 1%)	8050-09-7	Acute Toxicity: orl-rat LD50:3.0 mg/kg; ihl-rat LC50:110 mg/m3
Zinc oxide (1% TO 5%)	1314-13-2	Irritation: eye-rbt 500 mg/24H MLD; skn-rbt 500 mg/24H MLD; Reproductive: orl-rat TDLo:6846 mg/kg (1-22D preg)
Propionic acid (< 0.1%)	79-09-4	Acute Toxicity: orl-rat LD50:2600 mg/kg; skn-rbt LD50:500 uL/kg; Irritation: eye-rbt 990 ug SEV; skn-rbt 495 mg open SEV
Stearic acid (0.1% TO 1%)	57-11-4	Acute Toxicity: orl-rat LD50:4600 mg/kg; Irritation: skn-rbt 500 mg/24H MOD
Benzanilide, 2',2''-dithiobis- (0.1% TO 1%)	135-57-9	Acute Toxicity: orl-rat LD50:>4 gm/kg; Irritation: eye-rbt 500 mg/24H MLD
2-Benzothiazolesulfenamide, N-tert-butyl- (0.1% TO 1%)	95-31-8	Acute Toxicity: orl-rat LD50:>6000 mg/kg; skn-rbt LD50:>7940 mg/kg

GHS Properties	Classification
Acute toxicity	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Aspiration Hazard	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Carcinogenicity	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Germ Cell Mutagenicity	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Skin corrosion/Irritation	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Skin sensitization	EU/CLP • Classification criteria not met OSHA HCS 2012 • Skin Sensitizer 1
STOT-RE	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
STOT-SE	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Toxicity for Reproduction	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Respiratory sensitization	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Serious eye damage/Irritation	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met

Route(s) of entry/exposure • Inhalation, Skin, Eye

Potential Health Effects

Inhalation

Acute (Immediate)

- No adverse effects likely for general handling at room temperature. Hot processing (e.g. milling, extrusion, curing, etc.) can release fumes and other volatiles which may

	cause irritation.
Chronic (Delayed)	• Long term exposure to concentrated hot processing fumes has caused lung function loss and chronic bronchitis.
Skin	
Acute (Immediate)	• May cause skin sensitization. Symptoms include redness, and skin rash.
Chronic (Delayed)	• No data available.
Eye	
Acute (Immediate)	• No adverse effects likely for general handling at room temperature. Hot processing (e.g. milling, extrusion, curing, etc.) can release fumes and other volatiles which may cause irritation.
Chronic (Delayed)	• No data available.
Ingestion	
Acute (Immediate)	• Under normal conditions of use, no health effects are expected.
Chronic (Delayed)	• No data available.
Key to abbreviations	
LD = Lethal Dose	SEV = Severe
MLD = Mild	TC = Toxic Concentration
MOD = Moderate	TD = Toxic Dose

Section 12 - Ecological Information

12.1 Toxicity

- Material data lacking.

12.2 Persistence and degradability

- Material data lacking.

12.3 Bioaccumulative potential

- Material data lacking.

12.4 Mobility in Soil

- Material data lacking.

12.5 Results of PBT and vPvB assessment

- No PBT and vPvB assessment has been conducted.

12.6 Other adverse effects

- No studies have been found.

Section 13 - Disposal Considerations

13.1 Waste treatment methods

Product waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Packaging waste

- Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

Section 14 - Transport Information

	14.1 UN number	14.2 UN proper shipping name	14.3 Transport hazard class(es)	14.4 Packing group	14.5 Environmental hazards
DOT	NDA	Not regulated	NDA	NDA	NDA
TDG	NDA	Not regulated	NDA	NDA	NDA
IMO/IMDG	NDA	Not regulated	NDA	NDA	NDA
IATA/ICAO	NDA	Not regulated	NDA	NDA	NDA

14.6 Special precautions for user • None known.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code • Not relevant.

Section 15 - Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

SARA Hazard Classifications • Acute

State Right To Know				
Component	CAS	MA	NJ	PA
1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	No	No	No
2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	No	No	No
Benzanilide, 2',2'''-dithiobis-	135-57-9	No	No	No
Benzenamine, 4-(1-methyl-1-phenylethyl)-N-(4-(1-methyl-1-phenylethyl)phenyl)-	10081-67-1	No	No	No
Benzothiazole, 2,2'-dithiobis-	120-78-5	No	No	No
Dipentamethylenethiuram hexasulfide	971-15-3	No	No	No
Fatty acids, tall oil	61790-12-3	No	No	No
Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	No	No	No
Iron oxide	1309-37-1	Yes	Yes	Yes
Kaolin	1332-58-7	Yes	Yes	Yes
Limestone	1317-65-3	Yes	Yes	Yes
Piperidine, 1,1'-(tetrathiodicarbonothioyl) bis-	120-54-7	No	No	No
Propionic acid	79-09-4	Yes	Yes	Yes
Quartz	14808-60-7	Yes	Yes	Yes

Rosin	8050-09-7	No	No	No
Stearic acid	57-11-4	No	No	No
Styrene polymer with 1,3-butadiene (Kraton)	9003-55-8	No	No	No
Sulfur	7704-34-9	Yes	Yes	Yes
Sulfur homopolymer	9035-99-8	No	No	No
Titanium dioxide	13463-67-7	Yes	Yes	Yes
White mineral oil	8042-47-5	No	No	No
Zinc oxide	1314-13-2	Yes	Yes	Yes

Inventory						
Component	CAS	Canada DSL	Canada NDSL	EU EINECS	EU ELNICS	TSCA
1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	Yes	No	No	No	Yes
2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Yes	No	Yes	No	Yes
Benzanilide, 2',2''-dithiobis-	135-57-9	Yes	No	Yes	No	Yes
Benzenamine, 4-(1-methyl-1-phenylethyl)-N-(4-(1-methyl-1-phenylethyl)phenyl)-	10081-67-1	Yes	No	Yes	No	Yes
Benzothiazole, 2,2'-dithiobis-	120-78-5	Yes	No	Yes	No	Yes
Dipentamethylenethiuram hexasulfide	971-15-3	Yes	No	Yes	No	Yes
Fatty acids, tall oil	61790-12-3	Yes	No	Yes	No	Yes
Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Yes	No	Yes	No	Yes
Iron oxide	1309-37-1	Yes	No	Yes	No	Yes
Kaolin	1332-58-7	Yes	No	Yes	No	Yes
Limestone	1317-65-3	No	Yes	Yes	No	Yes
Piperidine, 1,1'-(tetrathiodicarbonothioyl) bis-	120-54-7	Yes	No	Yes	No	Yes
Propionic acid	79-09-4	Yes	No	Yes	No	Yes
Quartz	14808-60-7	Yes	No	Yes	No	Yes
Rosin	8050-09-7	Yes	No	Yes	No	Yes
Stearic acid	57-11-4	Yes	No	Yes	No	Yes
Styrene polymer with 1,3-butadiene (Kraton)	9003-55-8	Yes	No	No	No	Yes
Sulfur	7704-34-9	Yes	No	Yes	No	Yes

Sulfur homopolymer	9035-99-8	Yes	No	No	No	Yes
Titanium dioxide	13463-67-7	Yes	No	Yes	No	Yes
White mineral oil	8042-47-5	Yes	No	Yes	No	Yes
Zinc oxide	1314-13-2	Yes	No	Yes	No	Yes

Canada

Labor

Canada - WHMIS - Classifications of Substances

• Stearic acid	57-11-4	Uncontrolled product according to WHMIS classification criteria
• Dipentamethylenethiuram hexasulfide	971-15-3	Not Listed
• Benzo[thiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Piperidine, 1,1'-(tetrathiodicarbonothioyl)bis-	120-54-7	Not Listed
• Styrene polymer with 1,3-butadiene (Kraton)	9003-55-8	Uncontrolled product according to WHMIS classification criteria
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	Not Listed
• Kaolin	1332-58-7	D2A
• Propionic acid	79-09-4	B3, D1B, E
• Rosin	8050-09-7	D2A
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Iron oxide	1309-37-1	Uncontrolled product according to WHMIS classification criteria
• Iron oxide as Iron compounds		Not Listed
• Titanium dioxide	13463-67-7	D2A (In certain cases, this classification does not apply. For more information, consult the section Substance Specific Issues - Titanium dioxide, mixture containing on Health Canada's WHMIS Division website.)
• Zinc oxide	1314-13-2	Uncontrolled product according to WHMIS classification criteria
• Zinc oxide as Zinc compounds		Not Listed
• Limestone	1317-65-3	D2A
• White mineral oil	8042-47-5	Uncontrolled product according to WHMIS classification criteria
• Sulfur	7704-34-9	B4
• Fatty acids, tall oil	61790-12-3	Uncontrolled product according to WHMIS classification criteria
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• Quartz	14808-60-7	D2A (In certain cases, this classification does not apply. For more information, consult the section Substance Specific Issues - Silica, crystalline, encapsulated on Health

		Canada's WHMIS Division website.)
• Benzanilide, 2',2'''-dithiobis-	135-57-9	Not Listed
• Benzenamine, 4-(1-methyl-1-phenylethyl)-N-(4-(1-methyl-1-phenylethyl)phenyl)-	10081-67-1	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed
Canada - WHMIS - Ingredient Disclosure List		
• Stearic acid	57-11-4	1 %
• Dipentamethylenethiuram hexasulfide	971-15-3	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	1 %
• Piperidine, 1,1'-(tetrathiodicarbonothioyl)bis-	120-54-7	Not Listed
• Styrene polymer with 1,3-butadiene (Kraton)	9003-55-8	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	1 %
• Rosin	8050-09-7	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Iron oxide	1309-37-1	1 %
• Iron oxide as Iron compounds		Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Zinc oxide	1314-13-2	1 %
• Zinc oxide as Zinc compounds		Not Listed
• Limestone	1317-65-3	Not Listed
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Fatty acids, tall oil	61790-12-3	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• Quartz	14808-60-7	1 %
• Benzanilide, 2',2'''-dithiobis-	135-57-9	Not Listed
• Benzenamine, 4-(1-methyl-1-phenylethyl)-N-(4-(1-methyl-1-phenylethyl)phenyl)-	10081-67-1	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed

Environment**Canada - 2004 NPRI (National Pollutant Release Inventory)**

• Stearic acid	57-11-4	Not Listed
• Dipentamethylenethiuram hexasulfide	971-15-3	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Piperidine, 1,1'-(tetrathiodicarbonothioyl)bis-	120-54-7	Not Listed
• Styrene polymer with 1,3-butadiene (Kraton)	9003-55-8	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	Not Listed
• Rosin	8050-09-7	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Iron oxide	1309-37-1	Not Listed
• Iron oxide as Iron compounds		Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Part 1, Group 1 Substance
• Limestone	1317-65-3	Not Listed

• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Fatty acids, tall oil	61790-12-3	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• Quartz	14808-60-7	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	Not Listed
• Benzenamine, 4-(1-methyl-1-phenylethyl)-N-(4-(1-methyl-1-phenylethyl)phenyl)-	10081-67-1	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed
Canada - 2005 NPRI (National Pollutant Release Inventory)		
• Stearic acid	57-11-4	Not Listed
• Dipentamethylenethiuram hexasulfide	971-15-3	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Piperidine, 1,1'-(tetrathiodicarbonothioyl)bis-	120-54-7	Not Listed
• Styrene polymer with 1,3-butadiene (Kraton)	9003-55-8	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	Not Listed
• Rosin	8050-09-7	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Iron oxide	1309-37-1	Not Listed
• Iron oxide as Iron compounds		Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Part 1, Group 1 Substance
• Limestone	1317-65-3	Not Listed
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Fatty acids, tall oil	61790-12-3	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• Quartz	14808-60-7	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	Not Listed
• Benzenamine, 4-(1-methyl-1-phenylethyl)-N-(4-(1-methyl-1-phenylethyl)phenyl)-	10081-67-1	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed
Canada - CEPA - Greenhouse Gases Subject to Mandatory Reporting		
• Stearic acid	57-11-4	Not Listed
• Dipentamethylenethiuram hexasulfide	971-15-3	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Piperidine, 1,1'-(tetrathiodicarbonothioyl)bis-	120-54-7	Not Listed
• Styrene polymer with 1,3-butadiene (Kraton)	9003-55-8	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	Not Listed
• Rosin	8050-09-7	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Iron oxide	1309-37-1	Not Listed
• Iron oxide as Iron compounds		Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Zinc oxide	1314-13-2	Not Listed

• Zinc oxide as Zinc compounds		Not Listed
• Limestone	1317-65-3	Not Listed
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Fatty acids, tall oil	61790-12-3	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• Quartz	14808-60-7	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	Not Listed
• Benzenamine, 4-(1-methyl-1-phenylethyl)-N-(4-(1-methyl-1-phenylethyl)phenyl)-	10081-67-1	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed

Canada - CEPA - Priority Substances List

• Stearic acid	57-11-4	Not Listed
• Dipentamethylenethiuram hexasulfide	971-15-3	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Piperidine, 1,1'-(tetrathiodicarbonothioyl)bis-	120-54-7	Not Listed
• Styrene polymer with 1,3-butadiene (Kraton)	9003-55-8	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	Not Listed
• Rosin	8050-09-7	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Iron oxide	1309-37-1	Not Listed
• Iron oxide as Iron compounds		Not Listed
• Titanium dioxide	13463-67-7	Not Listed

• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Limestone	1317-65-3	Not Listed
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Fatty acids, tall oil	61790-12-3	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• Quartz	14808-60-7	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	Not Listed
• Benzenamine, 4-(1-methyl-1-phenylethyl)-N-(4-(1-methyl-1-phenylethyl)phenyl)-	10081-67-1	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed

Canada - DWQ (Drinking Water Quality) - IMACs

• Stearic acid	57-11-4	Not Listed
• Dipentamethylenethiuram hexasulfide	971-15-3	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Piperidine, 1,1'-(tetrathiodicarbonothioyl)bis-	120-54-7	Not Listed
• Styrene polymer with 1,3-butadiene (Kraton)	9003-55-8	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	Not Listed
• Rosin	8050-09-7	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Iron oxide	1309-37-1	Not Listed
• Iron oxide as Iron compounds		Not Listed

• Titanium dioxide	13463-67-7	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Limestone	1317-65-3	Not Listed
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Fatty acids, tall oil	61790-12-3	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• Quartz	14808-60-7	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	Not Listed
• Benzenamine, 4-(1-methyl-1-phenylethyl)-N-(4-(1-methyl-1-phenylethyl)phenyl)-	10081-67-1	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed

Other**Canada - Accelerated Reduction/Elimination of Toxics (ARET)**

• Stearic acid	57-11-4	Not Listed
• Dipentamethylenethiuram hexasulfide	971-15-3	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Piperidine, 1,1'-(tetrathiodicarbonothioyl)bis-	120-54-7	Not Listed
• Styrene polymer with 1,3-butadiene (Kraton)	9003-55-8	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	Not Listed
• Rosin	8050-09-7	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed

• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)

• Iron oxide	1309-37-1	Not Listed
• Iron oxide as Iron compounds		Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Limestone	1317-65-3	Not Listed
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Fatty acids, tall oil	61790-12-3	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• Quartz	14808-60-7	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	Not Listed
• Benzenamine, 4-(1-methyl-1-phenylethyl)-N-(4-(1-methyl-1-phenylethyl)phenyl)-	10081-67-1	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed

Canada New Brunswick**Environment****Canada - New Brunswick - Ozone Depleting Substances - Schedule A**

• Stearic acid	57-11-4	Not Listed
• Dipentamethylenethiuram hexasulfide	971-15-3	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Piperidine, 1,1'-(tetrathiodicarbonothioyl)bis-	120-54-7	Not Listed
• Styrene polymer with 1,3-butadiene (Kraton)	9003-55-8	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	Not Listed

• Rosin	8050-09-7	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Iron oxide	1309-37-1	Not Listed
• Iron oxide as Iron compounds		Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Limestone	1317-65-3	Not Listed
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Fatty acids, tall oil	61790-12-3	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• Quartz	14808-60-7	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	Not Listed
• Benzenamine, 4-(1-methyl-1-phenylethyl)-N-(4-(1-methyl-1-phenylethyl)phenyl)-	10081-67-1	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed
Canada - New Brunswick - Ozone Depleting Substances - Schedule B		
• Stearic acid	57-11-4	Not Listed
• Dipentamethylenethiuram hexasulfide	971-15-3	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Piperidine, 1,1'-(tetrathiodicarbonothioyl)bis-	120-54-7	Not Listed
• Styrene polymer with 1,3-butadiene (Kraton)	9003-55-8	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	Not Listed
• Rosin	8050-09-7	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Iron oxide	1309-37-1	Not Listed
• Iron oxide as Iron compounds		Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Limestone	1317-65-3	Not Listed
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Fatty acids, tall oil	61790-12-3	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• Quartz	14808-60-7	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	Not Listed
• Benzenamine, 4-(1-methyl-1-phenylethyl)-N-(4-(1-methyl-1-phenylethyl)phenyl)-	10081-67-1	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed

Europe

Other

EU - CLP (1272/2008) - Annex VI - Table 3.2 - Classification

• Stearic acid	57-11-4	Not Listed
• Dipentamethylenethiuram hexasulfide	971-15-3	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	R31 R43 N; R50-53

• Piperidine, 1,1'-(tetrathiodicarbonothioyl)bis-	120-54-7	Not Listed
• Styrene polymer with 1,3-butadiene (Kraton)	9003-55-8	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	C; R34
• Rosin	8050-09-7	R43
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Carc.Cat.2; R45
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Iron oxide	1309-37-1	Not Listed
• Iron oxide as Iron compounds		Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Zinc oxide	1314-13-2	N; R50-53
• Zinc oxide as Zinc compounds		Not Listed
• Limestone	1317-65-3	Not Listed
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Xi; R38
• Fatty acids, tall oil	61790-12-3	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• Quartz	14808-60-7	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	Not Listed
• Benzenamine, 4-(1-methyl-1-phenylethyl)-N-(4-(1-methyl-1-phenylethyl)phenyl)-	10081-67-1	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits		
• Stearic acid	57-11-4	Not Listed
• Dipentamethylenethiuram hexasulfide	971-15-3	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Piperidine, 1,1'-(tetrathiodicarbonothioyl)bis-	120-54-7	Not Listed
• Styrene polymer with 1,3-butadiene (Kraton)	9003-55-8	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	10%≤C<25%: Xi; R:36/37/38 25%≤C: C; R:34
• Rosin	8050-09-7	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Iron oxide	1309-37-1	Not Listed
• Iron oxide as Iron compounds		Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Limestone	1317-65-3	Not Listed
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Fatty acids, tall oil	61790-12-3	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• Quartz	14808-60-7	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	Not Listed
• Benzenamine, 4-(1-methyl-1-phenylethyl)-N-(4-(1-methyl-1-phenylethyl)phenyl)-	10081-67-1	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Labelling		

• Stearic acid	57-11-4	Not Listed
• Dipentamethylenethiuram hexasulfide	971-15-3	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Xi N R:31-43-50/53 S:(2)-36/37-60-61
• Piperidine, 1,1'-(tetrathiodicarbonothioyl)bis-	120-54-7	Not Listed
• Styrene polymer with 1,3-butadiene (Kraton)	9003-55-8	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	C R:34 S:(1/2)-23-36-45
• Rosin	8050-09-7	Xi R:43 S:(2)-24-37
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	T R:45 S:53-45
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Iron oxide	1309-37-1	Not Listed
• Iron oxide as Iron compounds		Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Zinc oxide	1314-13-2	N R:50/53 S:60-61
• Zinc oxide as Zinc compounds		Not Listed
• Limestone	1317-65-3	Not Listed
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Xi R:38 S:(2)-46
• Fatty acids, tall oil	61790-12-3	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• Quartz	14808-60-7	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	Not Listed
• Benzenamine, 4-(1-methyl-1-phenylethyl)-N-(4-(1-methyl-1-phenylethyl)phenyl)-	10081-67-1	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations		
• Stearic acid	57-11-4	Not Listed
• Dipentamethylenethiuram hexasulfide	971-15-3	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Piperidine, 1,1'-(tetrathiodicarbonothioyl)bis-	120-54-7	Not Listed
• Styrene polymer with 1,3-butadiene (Kraton)	9003-55-8	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	B
• Rosin	8050-09-7	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	L
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Iron oxide	1309-37-1	Not Listed
• Iron oxide as Iron compounds		Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Limestone	1317-65-3	Not Listed
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Fatty acids, tall oil	61790-12-3	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• Quartz	14808-60-7	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	Not Listed
• Benzenamine, 4-(1-methyl-1-phenylethyl)-N-(4-(1-methyl-1-phenylethyl)phenyl)-	10081-67-1	Not Listed

• Sulfur homopolymer	9035-99-8	Not Listed
EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases		
• Stearic acid	57-11-4	Not Listed
• Dipentamethylenethiuram hexasulfide	971-15-3	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	S:(2)-36/37-60-61
• Piperidine, 1,1'-(tetrathiodicarbonothioyl)bis-	120-54-7	Not Listed
• Styrene polymer with 1,3-butadiene (Kraton)	9003-55-8	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	S:(1/2)-23-36-45
• Rosin	8050-09-7	S:(2)-24-37
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	S:53-45
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Iron oxide	1309-37-1	Not Listed
• Iron oxide as Iron compounds		Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Zinc oxide	1314-13-2	S:60-61
• Zinc oxide as Zinc compounds		Not Listed
• Limestone	1317-65-3	Not Listed
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	S:(2)-46
• Fatty acids, tall oil	61790-12-3	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• Quartz	14808-60-7	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	Not Listed
• Benzenamine, 4-(1-methyl-1-phenylethyl)-N-(4-(1-methyl-1-phenylethyl)phenyl)-	10081-67-1	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed

United States

Labor

U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals

• Stearic acid	57-11-4	Not Listed
• Dipentamethylenethiuram hexasulfide	971-15-3	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Piperidine, 1,1'-(tetrathiodicarbonothioyl)bis-	120-54-7	Not Listed
• Styrene polymer with 1,3-butadiene (Kraton)	9003-55-8	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	Not Listed
• Rosin	8050-09-7	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Iron oxide	1309-37-1	Not Listed
• Iron oxide as Iron compounds		Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Limestone	1317-65-3	Not Listed
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed

• Fatty acids, tall oil	61790-12-3	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• Quartz	14808-60-7	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	Not Listed
• Benzenamine, 4-(1-methyl-1-phenylethyl)-N-(4-(1-methyl-1-phenylethyl)phenyl)-	10081-67-1	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed
U.S. - OSHA - Specifically Regulated Chemicals		
• Stearic acid	57-11-4	Not Listed
• Dipentamethylenethiuram hexasulfide	971-15-3	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Piperidine, 1,1'-(tetrathiodicarbonothioyl)bis-	120-54-7	Not Listed
• Styrene polymer with 1,3-butadiene (Kraton)	9003-55-8	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	Not Listed
• Rosin	8050-09-7	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Iron oxide	1309-37-1	Not Listed
• Iron oxide as Iron compounds		Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Limestone	1317-65-3	Not Listed
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Fatty acids, tall oil	61790-12-3	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• Quartz	14808-60-7	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	Not Listed
• Benzenamine, 4-(1-methyl-1-phenylethyl)-N-(4-(1-methyl-1-phenylethyl)phenyl)-	10081-67-1	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed

Environment**U.S. - CAA (Clean Air Act) - 1990 Hazardous Air Pollutants**

• Stearic acid	57-11-4	Not Listed
• Dipentamethylenethiuram hexasulfide	971-15-3	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Piperidine, 1,1'-(tetrathiodicarbonothioyl)bis-	120-54-7	Not Listed
• Styrene polymer with 1,3-butadiene (Kraton)	9003-55-8	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	Not Listed
• Rosin	8050-09-7	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Iron oxide	1309-37-1	Not Listed
• Iron oxide as Iron compounds		Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed

• Limestone	1317-65-3	Not Listed
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Fatty acids, tall oil	61790-12-3	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• Quartz	14808-60-7	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	Not Listed
• Benzenamine, 4-(1-methyl-1-phenylethyl)-N-(4-(1-methyl-1-phenylethyl)phenyl)-	10081-67-1	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed
U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities		
• Stearic acid	57-11-4	Not Listed
• Dipentamethylenethiuram hexasulfide	971-15-3	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Piperidine, 1,1'-(tetrathiodicarbonothioyl)bis-	120-54-7	Not Listed
• Styrene polymer with 1,3-butadiene (Kraton)	9003-55-8	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	5000 lb final RQ; 2270 kg final RQ
• Rosin	8050-09-7	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Iron oxide	1309-37-1	Not Listed
• Iron oxide as Iron compounds		Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Limestone	1317-65-3	Not Listed
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Fatty acids, tall oil	61790-12-3	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• Quartz	14808-60-7	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	Not Listed
• Benzenamine, 4-(1-methyl-1-phenylethyl)-N-(4-(1-methyl-1-phenylethyl)phenyl)-	10081-67-1	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed
U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities		
• Stearic acid	57-11-4	Not Listed
• Dipentamethylenethiuram hexasulfide	971-15-3	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Piperidine, 1,1'-(tetrathiodicarbonothioyl)bis-	120-54-7	Not Listed
• Styrene polymer with 1,3-butadiene (Kraton)	9003-55-8	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	Not Listed
• Rosin	8050-09-7	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Iron oxide	1309-37-1	Not Listed
• Iron oxide as Iron compounds		Not Listed

• Titanium dioxide	13463-67-7	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Limestone	1317-65-3	Not Listed
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Fatty acids, tall oil	61790-12-3	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• Quartz	14808-60-7	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	Not Listed
• Benzenamine, 4-(1-methyl-1-phenylethyl)-N-(4-(1-methyl-1-phenylethyl)phenyl)-	10081-67-1	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed
U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs		
• Stearic acid	57-11-4	Not Listed
• Dipentamethylenethiuram hexasulfide	971-15-3	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Piperidine, 1,1'-(tetrathiodicarbonothioyl)bis-	120-54-7	Not Listed
• Styrene polymer with 1,3-butadiene (Kraton)	9003-55-8	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	Not Listed
• Rosin	8050-09-7	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Iron oxide	1309-37-1	Not Listed
• Iron oxide as Iron compounds		Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Limestone	1317-65-3	Not Listed
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Fatty acids, tall oil	61790-12-3	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• Quartz	14808-60-7	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	Not Listed
• Benzenamine, 4-(1-methyl-1-phenylethyl)-N-(4-(1-methyl-1-phenylethyl)phenyl)-	10081-67-1	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed
U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs		
• Stearic acid	57-11-4	Not Listed
• Dipentamethylenethiuram hexasulfide	971-15-3	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Piperidine, 1,1'-(tetrathiodicarbonothioyl)bis-	120-54-7	Not Listed
• Styrene polymer with 1,3-butadiene (Kraton)	9003-55-8	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	Not Listed
• Rosin	8050-09-7	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed

• Iron oxide	1309-37-1	Not Listed
• Iron oxide as Iron compounds		Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Limestone	1317-65-3	Not Listed
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Fatty acids, tall oil	61790-12-3	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• Quartz	14808-60-7	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	Not Listed
• Benzenamine, 4-(1-methyl-1-phenylethyl)-N-(4-(1-methyl-1-phenylethyl)phenyl)-	10081-67-1	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed
U.S. - CERCLA/SARA - Section 313 - Emission Reporting		
• Stearic acid	57-11-4	Not Listed
• Dipentamethylenethiuram hexasulfide	971-15-3	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Piperidine, 1,1'-(tetrathiodicarbonothioyl)bis-	120-54-7	Not Listed
• Styrene polymer with 1,3-butadiene (Kraton)	9003-55-8	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	Not Listed
• Rosin	8050-09-7	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Iron oxide	1309-37-1	Not Listed
• Iron oxide as Iron compounds		Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		1.0 % de minimis concentration (Chemical Category N982)
• Limestone	1317-65-3	Not Listed
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Fatty acids, tall oil	61790-12-3	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• Quartz	14808-60-7	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	Not Listed
• Benzenamine, 4-(1-methyl-1-phenylethyl)-N-(4-(1-methyl-1-phenylethyl)phenyl)-	10081-67-1	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed
U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing		
• Stearic acid	57-11-4	Not Listed
• Dipentamethylenethiuram hexasulfide	971-15-3	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Piperidine, 1,1'-(tetrathiodicarbonothioyl)bis-	120-54-7	Not Listed
• Styrene polymer with 1,3-butadiene (Kraton)	9003-55-8	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	Not Listed

• Rosin	8050-09-7	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Iron oxide	1309-37-1	Not Listed
• Iron oxide as Iron compounds		Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Limestone	1317-65-3	Not Listed
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Fatty acids, tall oil	61790-12-3	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• Quartz	14808-60-7	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	Not Listed
• Benzenamine, 4-(1-methyl-1-phenylethyl)-N-(4-(1-methyl-1-phenylethyl)phenyl)-	10081-67-1	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed
U.S. - RCRA (Resource Conservation & Recovery Act) - Hazardous Constituents - Appendix VIII to 40 CFR 261		
• Stearic acid	57-11-4	Not Listed
• Dipentamethylenethiuram hexasulfide	971-15-3	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Piperidine, 1,1'-(tetrathiodicarbonothioyl)bis-	120-54-7	hazardous constituent - no waste number
• Styrene polymer with 1,3-butadiene (Kraton)	9003-55-8	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	Not Listed
• Rosin	8050-09-7	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Iron oxide	1309-37-1	Not Listed
• Iron oxide as Iron compounds		Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Limestone	1317-65-3	Not Listed
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Fatty acids, tall oil	61790-12-3	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• Quartz	14808-60-7	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	Not Listed
• Benzenamine, 4-(1-methyl-1-phenylethyl)-N-(4-(1-methyl-1-phenylethyl)phenyl)-	10081-67-1	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed

United States - California

Environment

U.S. - California - Proposition 65 - Carcinogens List

• Stearic acid	57-11-4	Not Listed
• Dipentamethylenethiuram hexasulfide	971-15-3	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed

• Piperidine, 1,1'-(tetrathiodicarbonothioyl)bis-	120-54-7	Not Listed
• Styrene polymer with 1,3-butadiene (Kraton)	9003-55-8	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	Not Listed
• Rosin	8050-09-7	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Iron oxide	1309-37-1	Not Listed
• Iron oxide as Iron compounds		Not Listed
• Titanium dioxide	13463-67-7	carcinogen, initial date 9/2/11 (airborne, unbound particles of respirable size)
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Limestone	1317-65-3	Not Listed
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Fatty acids, tall oil	61790-12-3	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• Quartz	14808-60-7	carcinogen, initial date 10/1/88 (airborne particles of respirable size)
• Benzanilide, 2',2'''-dithiobis-	135-57-9	Not Listed
• Benzenamine, 4-(1-methyl-1-phenylethyl)-N-(4-(1-methyl-1-phenylethyl)phenyl)-	10081-67-1	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed
U.S. - California - Proposition 65 - Developmental Toxicity		
• Stearic acid	57-11-4	Not Listed
• Dipentamethylenethiuram hexasulfide	971-15-3	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Piperidine, 1,1'-(tetrathiodicarbonothioyl)bis-	120-54-7	Not Listed
• Styrene polymer with 1,3-butadiene (Kraton)	9003-55-8	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	Not Listed
• Rosin	8050-09-7	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Iron oxide	1309-37-1	Not Listed
• Iron oxide as Iron compounds		Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Limestone	1317-65-3	Not Listed
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Fatty acids, tall oil	61790-12-3	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• Quartz	14808-60-7	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	Not Listed
• Benzenamine, 4-(1-methyl-1-phenylethyl)-N-(4-(1-methyl-1-phenylethyl)phenyl)-	10081-67-1	Not Listed

• Sulfur homopolymer	9035-99-8	Not Listed
U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)		
• Stearic acid	57-11-4	Not Listed
• Dipentamethylenethiuram hexasulfide	971-15-3	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Piperidine, 1,1'-(tetrathiodicarbonothioyl)bis-	120-54-7	Not Listed
• Styrene polymer with 1,3-butadiene (Kraton)	9003-55-8	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	Not Listed
• Rosin	8050-09-7	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Iron oxide	1309-37-1	Not Listed
• Iron oxide as Iron compounds		Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Limestone	1317-65-3	Not Listed
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Fatty acids, tall oil	61790-12-3	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• Quartz	14808-60-7	Not Listed
• Benzanilide, 2',2''-dithiobis-	135-57-9	Not Listed
• Benzenamine, 4-(1-methyl-1-phenylethyl)-N-(4-(1-methyl-1-phenylethyl)phenyl)-	10081-67-1	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed
U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)		
• Stearic acid	57-11-4	Not Listed
• Dipentamethylenethiuram hexasulfide	971-15-3	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Piperidine, 1,1'-(tetrathiodicarbonothioyl)bis-	120-54-7	Not Listed
• Styrene polymer with 1,3-butadiene (Kraton)	9003-55-8	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	Not Listed
• Rosin	8050-09-7	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Iron oxide	1309-37-1	Not Listed
• Iron oxide as Iron compounds		Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Limestone	1317-65-3	Not Listed
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Fatty acids, tall oil	61790-12-3	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• Quartz	14808-60-7	Not Listed

• Benzanilide, 2',2'''-dithiobis-	135-57-9	Not Listed
• Benzenamine, 4-(1-methyl-1-phenylethyl)-N-(4-(1-methyl-1-phenylethyl)phenyl)-	10081-67-1	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed
U.S. - California - Proposition 65 - Reproductive Toxicity - Female		
• Stearic acid	57-11-4	Not Listed
• Dipentamethylenethiuram hexasulfide	971-15-3	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Piperidine, 1,1'-(tetrathiodicarbonothioyl)bis-	120-54-7	Not Listed
• Styrene polymer with 1,3-butadiene (Kraton)	9003-55-8	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	Not Listed
• Rosin	8050-09-7	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Iron oxide	1309-37-1	Not Listed
• Iron oxide as Iron compounds		Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Limestone	1317-65-3	Not Listed
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Fatty acids, tall oil	61790-12-3	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• Quartz	14808-60-7	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	Not Listed
• Benzenamine, 4-(1-methyl-1-phenylethyl)-N-(4-(1-methyl-1-phenylethyl)phenyl)-	10081-67-1	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed
U.S. - California - Proposition 65 - Reproductive Toxicity - Male		
• Stearic acid	57-11-4	Not Listed
• Dipentamethylenethiuram hexasulfide	971-15-3	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Piperidine, 1,1'-(tetrathiodicarbonothioyl)bis-	120-54-7	Not Listed
• Styrene polymer with 1,3-butadiene (Kraton)	9003-55-8	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	Not Listed
• Rosin	8050-09-7	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Iron oxide	1309-37-1	Not Listed
• Iron oxide as Iron compounds		Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Limestone	1317-65-3	Not Listed
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Fatty acids, tall oil	61790-12-3	Not Listed

• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• Quartz	14808-60-7	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	Not Listed
• Benzenamine, 4-(1-methyl-1-phenylethyl)-N-(4-(1-methyl-1-phenylethyl)phenyl)-	10081-67-1	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed

United States - Pennsylvania

Labor

U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List

• Stearic acid	57-11-4	Not Listed
• Dipentamethylenethiuram hexasulfide	971-15-3	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Piperidine, 1,1'-(tetrathiodicarbonothioyl)bis-	120-54-7	Not Listed
• Styrene polymer with 1,3-butadiene (Kraton)	9003-55-8	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	
• Rosin	8050-09-7	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Iron oxide	1309-37-1	Not Listed
• Iron oxide as Iron compounds		Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Zinc oxide	1314-13-2	(fume)
• Zinc oxide as Zinc compounds		

• Limestone	1317-65-3	Not Listed
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Fatty acids, tall oil	61790-12-3	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• Quartz	14808-60-7	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	Not Listed
• Benzenamine, 4-(1-methyl-1-phenylethyl)-N-(4-(1-methyl-1-phenylethyl)phenyl)-	10081-67-1	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed

U.S. - Pennsylvania - RTK (Right to Know) - Special Hazardous Substances

• Stearic acid	57-11-4	Not Listed
• Dipentamethylenethiuram hexasulfide	971-15-3	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Piperidine, 1,1'-(tetrathiodicarbonothioyl)bis-	120-54-7	Not Listed
• Styrene polymer with 1,3-butadiene (Kraton)	9003-55-8	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	Not Listed
• Rosin	8050-09-7	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Iron oxide	1309-37-1	Not Listed
• Iron oxide as Iron compounds		Not Listed
• Titanium dioxide	13463-67-7	Not Listed
• Zinc oxide	1314-13-2	Not Listed

• Zinc oxide as Zinc compounds		Not Listed
• Limestone	1317-65-3	Not Listed
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Fatty acids, tall oil	61790-12-3	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• Quartz	14808-60-7	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	Not Listed
• Benzenamine, 4-(1-methyl-1-phenylethyl)-N-(4-(1-methyl-1-phenylethyl)phenyl)-	10081-67-1	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed

15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.

15.3 Other Information

- WARNING: This product contains a chemical known to the State of California to cause cancer.

Section 16 - Other Information

Relevant Phrases (code & full text)

- H315 - Causes skin irritation
- H317 - May cause an allergic skin reaction
- H319 - Causes serious eye irritation
- H350 - May cause cancer.
- H351 - Suspected of causing cancer.
- H372 - Causes damage to organs through prolonged or repeated exposure.
- H373 - May cause damage to organs through prolonged or repeated exposure.
- H400 - Very toxic to aquatic life
- H410 - Very toxic to aquatic life with long lasting effects
- R31 - Contact with acids liberates toxic gas.
- R36/37/38 - Irritating to eyes, respiratory system and skin.
- R38 - Irritating to skin.
- R43 - May cause sensitisation by skin contact.
- R45 - May cause cancer.
- R48/20 - Harmful: danger of serious damage to health by prolonged exposure through inhalation.
- R48/22 - Harmful: danger of serious damage to health by prolonged exposure if swallowed.
- R50 - Very toxic to aquatic organisms.
- R53 - May cause long-term adverse effects in the aquatic environment.

Last Revision Date

- 15/January/2014

Preparation Date

- 15/January/2014

Disclaimer/Statement of Liability

- The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstance of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.

Key to abbreviations

NDA = No data available

