

## Safety Data Sheet



### Section 1: Identification of the Substance/Mixture and of the Company/Undertaking

#### 1.1 Product identifier

**Product Name** • Fiberbond Spray Type Cement  
**Product Code** • 16-354; 16-355

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

**Relevant identified use(s)** • Adhesive

#### 1.3 Details of the supplier of the safety data sheet

**Manufacturer** • Patch Rubber Company  
100 Patch Rubber Road  
Weldon, NC 27890  
United States

**Telephone (General)** • (252)-536-2574

#### 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** • Flammable Liquids 2 - H225  
Skin Irritation 2 - H315  
Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects - H336  
Hazardous to the aquatic environment Acute 1 - H400  
Hazardous to the aquatic environment Chronic 1 - H410

**DSD/DPD** • Highly Flammable (F)  
Irritant (Xi)  
Harmful (Xn)  
Dangerous to the Environment (N)  
R11, R38, R67, R51, R53

#### 2.2 Label Elements

**CLP**

**DANGER**



- Hazard statements** • H225 - Highly flammable liquid and vapour  
 H315 - Causes skin irritation  
 H336 - May cause drowsiness or dizziness  
 H400 - Very toxic to aquatic life  
 H410 - Very toxic to aquatic life with long lasting effects

## Precautionary statements

- Prevention** • P210 - Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking.  
 P233 - Keep container tightly closed.  
 P240 - Ground and/or bond container and receiving equipment.  
 P241 - Use explosion-proof electrical/ventilating/lighting/equipment.  
 P242 - Use only non-sparking tools.  
 P243 - Take precautionary measures against static discharge.  
 P261 - Avoid breathing mist/vapours/spray.  
 P264 - Wash thoroughly after handling.  
 P271 - Use only outdoors or in a well-ventilated area.  
 P273 - Avoid release to the environment.  
 P280 - Wear protective gloves/protective clothing/eye protection/face protection.

- Response** • P370+P378 - In case of fire: Use appropriate media for extinction.  
 P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
 P312 - Call a POISON CENTER or doctor/physician if you feel unwell.  
 P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.  
 P352 - Wash with plenty of soap and water.  
 P321 - Specific treatment, see supplemental first aid information.  
 P332+P313 - If skin irritation occurs: Get medical advice/attention.  
 P362 - Take off contaminated clothing and wash before reuse.  
 P391 - Collect spillage.

- Storage/Disposal** • P403+P233 - Store in a well-ventilated place. Keep container tightly closed.  
 P235 - Keep cool.  
 P405 - Store locked up.  
 P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

## DSD/DPD



- Risk phrases** • R11 - Highly flammable.  
 R38 - Irritating to skin.  
 R67 - Vapours may cause drowsiness and dizziness.  
 R51 - Toxic to aquatic organisms.  
 R53 - May cause long-term adverse effects in the aquatic environment.

- Safety phrases** • S9 - Keep container in a well ventilated place  
 S16 - Keep away from sources of ignition - No Smoking.  
 S57 - Use appropriate containment to avoid environmental contamination

## 2.3 Other Hazards

### CLP

- According to Regulation (EC) No. 1272/2008 (CLP) this material is considered hazardous.

### DSD/DPD

- According to European Directive 1999/45/EC this preparation is considered dangerous.

## United States (US)

According to OSHA 29 CFR 1910.1200 HCS



## 2.1 Classification of the substance or mixture

### OSHA HCS 2012

- Flammable Liquids 2 - H225
- Skin Irritation 2 - H315
- Skin Sensitization 1B - H317
- Eye Irritation 2 - H319
- Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects - H336

## 2.2 Label elements

### OSHA HCS 2012

#### DANGER



- Hazard statements**
- Highly flammable liquid and vapour - H225
  - Causes skin irritation - H315
  - May cause an allergic skin reaction - H317
  - Causes serious eye irritation - H319
  - May cause drowsiness or dizziness - H336

#### Precautionary statements

- Prevention**
- Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking. - P210
  - Keep container tightly closed. - P233
  - Ground and/or bond container and receiving equipment. - P240
  - Use explosion-proof electrical/ventilating/lighting/equipment. - P241
  - Use only non-sparking tools. - P242
  - Take precautionary measures against static discharge. - P243
  - Avoid breathing mist/vapours/spray. - P261
  - Wash thoroughly after handling. - P264
  - Use only outdoors or in a well-ventilated area. - P271
  - Contaminated work clothing should not be allowed out of the workplace. - P272
  - Wear protective gloves/protective clothing/eye protection/face protection. - P280
- Response**
- In case of fire: Use appropriate media for extinction. - P370+P378
  - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. - P304+P340
  - Call a POISON CENTER or doctor/physician if you feel unwell. - P312
  - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. - P303+P361+P353
  - Specific treatment, see supplemental first aid information. - P321
  - If skin irritation or rash occurs: Get medical advice/attention. - P333+P313
  - Take off contaminated clothing and wash before reuse. - P362
  - Wash contaminated clothing before reuse. - P363
  - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. - P305+P351+P338
  - If eye irritation persists: Get medical advice/attention. - P337+P313
- Storage/Disposal**
- Store in a well-ventilated place. Keep container tightly closed. - P403+P233
  - Keep cool. - P235
  - Store locked up. - P405
  - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. - P501

## 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

- Flammable Liquids - B2

## Other Toxic Effects - D2B

## 2.2 Label elements

## WHMIS



- Flammable Liquids - B2
- 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
Naphtha (petroleum), hydrotreated light	CAS:64742-49-0 EC Number:265-151-9	83.95%	NDA	EU DSD/DPD: Annex VI, Table 3.2: Carc.Cat.2; R45 Muta.Cat.2; R46 Xn; R65 EU CLP: Annex VI: Flam. Liq. 2, H225; Asp. Tox. 1, H320; Skin Irrit. 2, H315; STOT SE 3, H336; Aquatic Acute 1, H400; Aquatic Chronic 1, H410 OSHA HCS 2012: Flam. Liq. 2; Skin Irrit. 2; Eye Irrit. 2; Asp. Tox. 1; STOT SE 3: Narc.	NDA
Carbon Black	CAS:1333-86-4 EC Number:215-609-9	3.45%	Ingestion/Oral-Rat LD50 • >15400 mg/kg Skin-Rabbit LD50 • >3 g/kg	EU DSD/DPD: Not Classified - Criteria not met EU CLP: Not Classified - Criteria not met OSHA HCS 2012: Carc. 2	NDA
Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	CAS:26678-93-3	1.9%	NDA	EU DSD/DPD: Self Classified: Xi, R36/38 EU CLP: Self Classified: Skin Irrit. 2, H315; Eye Irrit. 2, H319 OSHA HCS 2012: Skin Irrit. 2; Eye Irrit. 2A	NDA
Zinc oxide	CAS:1314-13-2 EC Number:215-222-5	0.7% TO 0.71%	Ingestion/Oral-Mouse LD50 • 7950 mg/kg	EU DSD/DPD: Annex VI, Table 3.2: N; R50-53 EU CLP: Annex VI: Aquatic Acute 1, H400; Aquatic Chronic 1, H410 OSHA HCS 2012: Not Classified	NDA
	CAS:102-06-7		Ingestion/Oral-Rat	EU DSD/DPD: Annex VI, Table 3.2: Xn; R22 Xi; R36/37/38 N; R51-53 Repr.Cat.3; R62 EU CLP: Annex VI: Repr 2, H361f; Acute	



Guanidine, 1,3-diphenyl-	EC Number:203-002-1	0.06%	LD50 • 323 mg/kg Skin-Rabbit LD50 • >794 mg/kg	Tox. 4, H302; Eye Irrit. 2, H319; STOT SE 3 - Resp., H335; Skin Irrit. 2, H315; Aquatic Chronic 2, H411 <b>OSHA HCS 2012:</b> Eye Irrit. 2A; Acute Tox. 4, Dermal; Acute Tox. 4, Oral; Repr. 2	NDA
Benzothiazole, 2,2'-dithiobis-	CAS:120-78-5 EC Number:204-424-9	0.057% TO 0.06%	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: Skin Sens. 1, H317; Aquatic Acute 1; H400; Aquatic Chronic 1 H410; EUH031 <b>OSHA HCS 2012:</b> Skin Sens. 1	NDA
Phenol, p-(1,1,3,3-tetramethylbutyl)-	CAS:140-66-9 EINECS:205-426-2	0.0019% TO 0.019%	Ingestion/Oral-Rat LD50 • 4600 mg/kg Skin-Rabbit LD50 • 1880 mg/kg	EU DSD/DPD: Annex VI, Table 3.2: Xi; R38-41 N; R50-53 EU CLP: Annex VI: Skin Irrit. 2, H315; Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; M=10 <b>OSHA HCS 2012:</b> Acute Tox. 4 (Oral, Skin); Eye Irrit. 2; Skin Irrit. 2	NDA
Kaolin	CAS:1332-58-7	0.012% TO 0.015%	NDA	EU CLP: Community workplace exposure limit	NDA
Propionic acid	CAS:79-09-4 EC Number:201-176-3	0.00071% TO 0.00355%	Ingestion/Oral-Rat LD50 • 2600 mg/kg Skin-Rabbit LD50 • 500 µL/kg	EU CLP: Community workplace exposure limit	NDA
Calcium silicate	CAS:1344-95-2	0.00025% TO 0.0003%	NDA	EU CLP: Community workplace exposure limit	NDA
Formaldehyde	CAS:50-00-0 EC Number:200-001-8	0.000019%	Ingestion/Oral-Rat LD50 • 100 mg/kg Inhalation-Rat LC50 • 250 ppm 4 Hour(s) Skin-Rabbit LD50 • 270 µL/kg	EU CLP: Community workplace exposure limit	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

- Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. If signs/symptoms continue, get medical attention.

#### Skin

- In case of contact with substance, immediately flush skin with running water for at least 20 minutes. Wash skin with soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical advice/attention.

#### Eye

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

#### Ingestion

- Do NOT induce vomiting. If person is drowsy or unconscious and vomiting, place on the left side with head down. Seek medical attention.

### 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

#### Notes to Physician

- Inhalation of high concentrations of this material, as could occur in enclosed spaces or during deliberate abuse, may be associated with cardiac arrhythmias.

Sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to the material.

## Section 5 - Firefighting Measures

### 5.1 Extinguishing media

**Suitable Extinguishing Media** • Carbon dioxide (CO<sub>2</sub>), water fog, dry chemical or chemical foam.

**Unsuitable Extinguishing Media** • Avoid the use of streaming water, as this may spread the fire.

### 5.2 Special hazards arising from the substance or mixture

**Unusual Fire and Explosion Hazards** • **HIGHLY FLAMMABLE:** Will be easily ignited by heat, sparks or flames. Containers may explode when heated. Extremely flammable liquid and vapor. Vapors may form explosive mixtures with air. Vapor explosion hazard indoors, outdoors or in sewers. Vapors may travel to source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.

**Hazardous Combustion Products** • May form: carbon dioxide, carbon monoxide and various hydrocarbons.

### 5.3 Advice for firefighters

- Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible. Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection. 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** • Wear appropriate protective equipment including respiratory protection as conditions warrant. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

**Emergency Procedures** • **ELIMINATE** all ignition sources (no smoking, flares, sparks or flames in immediate area). As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. Stay upwind. Keep out of low areas. Keep unauthorized personnel away. Ventilate closed spaces before entering.

### 6.2 Environmental precautions

- Prevent entry into waterways, sewers, basements or confined areas.

### 6.3 Methods and material for containment and cleaning up

**Containment/Clean-up Measures** • Stop leak if you can do it without risk.  
~~All equipment used when handling the product must be grounded.~~  
 Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.  
 Use clean non-sparking tools to collect absorbed material.  
 A vapor suppressing foam may be used to reduce vapors.  
 LARGE SPILLS: Dike far ahead of liquid spill for later disposal.

### 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

- Keep away from heat and ignition sources – No Smoking. Product can accumulate static charge by flow or agitation. Bond and ground equipment when transferring from one vessel to another. Empty containers retain product residue and may be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat, flame, sparks or other ignition sources. They may explode and cause injury or death. Use only with adequate ventilation. Do not enter confined spaces such as tanks or pits without following proper entry procedures.

## 7.2 Conditions for safe storage, including any incompatibilities

### Storage

- Store in a cool/low-temperature, well-ventilated place away from heat and ignition sources. Keep container closed when not in use. Keep away from incompatible materials.

## 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	NIOSH	OSHA
Methylcyclohexane (108-87-2)	TWAs	400 ppm TWA	400 ppm TWAEV; 1600 mg/m <sup>3</sup> TWAEV	400 ppm TWAEV; 1610 mg/m <sup>3</sup> TWAEV	400 ppm TWA; 1600 mg/m <sup>3</sup> TWA	500 ppm TWA; 2000 mg/m <sup>3</sup> TWA
3-Methylhexane (589-34-4)	STELs	500 ppm STEL	Not established	Not established	Not established	Not established
	TWAs	400 ppm TWA	Not established	Not established	Not established	Not established
Hexane, 2-methyl- (591-76-4)	STELs	500 ppm STEL	Not established	Not established	Not established	Not established
	TWAs	400 ppm TWA	Not established	Not established	Not established	Not established
Pentane, 2,3-dimethyl- (565-59-3)	STELs	500 ppm STEL	Not established	Not established	Not established	Not established
	TWAs	400 ppm TWA	Not established	Not established	Not established	Not established
Formaldehyde (50-00-0)	Ceilings	0.3 ppm Ceiling	1.5 ppm CEV	2 ppm Ceiling; 3 mg/m <sup>3</sup> Ceiling	0.1 ppm Ceiling (15 min)	Not established
	STELs	Not established	1.0 ppm STEV	Not established	Not established	2 ppm STEL (see 29 CFR 1910.1048)
	TWAs	Not established	Not established	Not established	0.016 ppm TWA	0.75 ppm TWA
Calcium silicate (1344-95-2)	TWAs	10 mg/m <sup>3</sup> TWA (synthetic nonfibrous, particulate matter containing no asbestos and <1% crystalline silica)	10 mg/m <sup>3</sup> TWAEV (total dust)	10 mg/m <sup>3</sup> TWAEV (total dust, containing no asbestos and less than 1% crystalline silica)	10 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable dust)	15 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable fraction)
Propionic acid (79-09-4)	TWAs	10 ppm TWA	10 ppm TWAEV; 30 mg/m <sup>3</sup> TWAEV	10 ppm TWAEV; 30 mg/m <sup>3</sup> TWAEV	10 ppm TWA; 30 mg/m <sup>3</sup> TWA	Not established
	STELs	Not established	Not established	Not established	15 ppm STEL; 45 mg/m <sup>3</sup> STEL	Not established
Ethylbenzene (100-41-4)	STELs	125 ppm STEL	125 ppm STEV; 540 mg/m <sup>3</sup> STEV	125 ppm STEV; 543 mg/m <sup>3</sup> STEV	125 ppm STEL; 545 mg/m <sup>3</sup> STEL	Not established
	TWAs	100 ppm TWA	100 ppm TWAEV; 435 mg/m <sup>3</sup> TWAEV	100 ppm TWAEV; 434 mg/m <sup>3</sup> TWAEV	100 ppm TWA; 435 mg/m <sup>3</sup> TWA	100 ppm TWA; 435 mg/m <sup>3</sup> TWA

Benzene (71-43-2)	STELs	2.5 ppm STEL	2.5 ppm STEV (applies to workplaces to which the designated substance regulation does not apply); 2.5 ppm STEV (designated substances regulation)	5 ppm STEV; 15.5 mg/m <sup>3</sup> STEV	1 ppm STEL	5 ppm STEL (see 29 CFR 1910.1028)
	TWAs	0.5 ppm TWA	0.5 ppm TWAEV (applies to workplaces to which the designated substance regulation does not apply); 0.5 ppm TWAEV (designated substance regulation)	1 ppm TWAEV; 3 mg/m <sup>3</sup> TWAEV	0.1 ppm TWA	10 ppm TWA (applies to industry segments exempt from the benzene standard at 29 CFR 1910.1028); 1 ppm TWA
	Ceilings	Not established	Not established	Not established	Not established	25 ppm Ceiling
Kaolin (1332-58-7)	TWAs	2 mg/m <sup>3</sup> TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction)	2 mg/m <sup>3</sup> TWAEV (containing no asbestos and less than 1% crystalline silica, respirable)	5 mg/m <sup>3</sup> TWAEV (respirable dust, containing no asbestos and less than 1% crystalline silica)	10 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable dust)	15 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable fraction)
Toluene (108-88-3)	TWAs	20 ppm TWA	20 ppm TWAEV	50 ppm TWAEV; 188 mg/m <sup>3</sup> TWAEV	100 ppm TWA; 375 mg/m <sup>3</sup> TWA	200 ppm TWA
	Ceilings	Not established	Not established	Not established	Not established	300 ppm Ceiling
	STELs	Not established	Not established	Not established	150 ppm STEL; 560 mg/m <sup>3</sup> STEL	Not established
Zinc oxide (1314-13-2)	STELs	10 mg/m <sup>3</sup> STEL (respirable fraction)	10 mg/m <sup>3</sup> STEV (respirable)	10 mg/m <sup>3</sup> STEV (fume)	10 mg/m <sup>3</sup> STEL (fume)	Not established
	TWAs	2 mg/m <sup>3</sup> TWA (respirable fraction)	2 mg/m <sup>3</sup> TWAEV (respirable)	5 mg/m <sup>3</sup> TWAEV (fume); 10 mg/m <sup>3</sup> TWAEV (total dust, containing no asbestos and less than 1% crystalline silica)	5 mg/m <sup>3</sup> TWA (dust and fume)	5 mg/m <sup>3</sup> TWA (fume); 15 mg/m <sup>3</sup> TWA (total dust); 5 mg/m <sup>3</sup> TWA (respirable fraction)
	Ceilings	Not established	Not established	Not established	15 mg/m <sup>3</sup> Ceiling (dust)	Not established
Carbon Black (1333-86-4)	TWAs	3.5 mg/m <sup>3</sup> TWA	3.5 mg/m <sup>3</sup> TWAEV	3.5 mg/m <sup>3</sup> TWAEV	3.5 mg/m <sup>3</sup> TWA; 0.1 mg/m <sup>3</sup> TWA (carbon black in presence of polycyclic aromatic hydrocarbons, as PAH)	3.5 mg/m <sup>3</sup> TWA
Heptane (142-82-5)	STELs	500 ppm STEL	500 ppm STEV; 2045 mg/m <sup>3</sup> STEV	500 ppm STEV; 2050 mg/m <sup>3</sup> STEV	Not established	Not established
	TWAs	400 ppm TWA	400 ppm TWAEV; 1635 mg/m <sup>3</sup> TWAEV	400 ppm TWAEV; 1640 mg/m <sup>3</sup> TWAEV	85 ppm TWA; 350 mg/m <sup>3</sup> TWA	500 ppm TWA; 2000 mg/m <sup>3</sup> TWA
	Ceilings	Not established	Not established	Not established	440 ppm Ceiling (15 min); 1800 mg/m <sup>3</sup>	Not established



Ceiling (15 min)

## 8.2 Exposure controls

### Engineering Measures/Controls

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

### Personal Protective Equipment

#### Respiratory

- In case of insufficient ventilation, wear suitable respiratory equipment. Follow the OSHA respirator regulations found in 29 CFR 1910.134. Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or symptoms are experienced.

#### Eye/Face

- Wear safety goggles.

#### Hands

- Wear protective gloves - neoprene, butyl or nitrile rubber with cuffs.

#### Skin/Body

- Where extensive dermal exposure may be expected, either a chemical suit or chemical apron will be needed.

### 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. Safety shower and eye wash should be available close to work areas.

### 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

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

NIOSH = National Institute of Occupational Safety and Health

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

OSHA = Occupational Safety and Health Administration

STEV = Short Term Exposure Value

MSHA = Mine Safety and Health Administration

TLV = Threshold Limit Value determined by the American Conference of Governmental Industrial Hygienists (ACGIH)

TWAEV = Time-Weighted Average Exposure Value

## Section 9 - Physical and Chemical Properties

### 9.1 Information on Physical and Chemical Properties

Material Description			
Physical Form	Liquid	Appearance/Description	Black flammable liquid with a hydrocarbon odor.
Color	Black	Odor	Hydrocarbon
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	0.74 Water=1	Density	6.14 lbs/gal
Water Solubility	Data lacking	Viscosity	Data lacking
Explosive Properties	Data lacking	Oxidizing Properties:	Data lacking
Volatility			
Vapor Pressure	Data lacking	Vapor Density	Data lacking
Evaporation Rate	4.2 n-Butyl Acetate = 1	VOC (Vol.)	632 g/L
Flammability			
Flash Point	15 F(-9.4444 C) TCC (Tagliabue Closed Cup)	UEL	6.7 %
LEL	1.1 %	Autoignition	399 F(203.8889 C)
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 under normal temperatures and pressures.

### 10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

### 10.4 Conditions to avoid

- Excess heat. Incompatible materials.

### 10.5 Incompatible materials

- Strong oxidizing agents.

### 10.6 Hazardous decomposition products

- May form: carbon dioxide, carbon monoxide, and various hydrocarbons.

## Section 11 - Toxicological Information

### 11.1 Information on toxicological effects

Components		
Zinc oxide (0.7% TO 0.71%)	1314-13-2	<b>Acute Toxicity:</b> Inhalation-Rat TCLo • 25 mg/m <sup>3</sup> 3 Hour(s); <i>Lungs, Thorax, or Respiration:Other changes;</i> <i>Biochemical:Enzyme inhibition, induction, or change in blood or tissue levels:Phosphatases;</i> <i>Biochemical:Metabolism (intermediary):Effect on inflammation or mediation of inflammation;</i> <b>Irritation:</b> Eye-Rabbit • 500 mg 24 Hour(s) • Mild irritation; Skin-Rabbit • 500 mg 24 Hour(s) • Mild irritation; <b>Reproductive:</b> Ingestion/Oral-Rat TDLo • 6846 mg/kg (1-22D preg); <i>Reproductive Effects:Specific Developmental Abnormalities:Homeostasis; Reproductive Effects:Effects on Newborn:Stillbirth;</i> <i>Reproductive Effects:Effects on Newborn:Growth statistics (e.g., reduced weight gain)</i>
Kaolin (0.012% TO 0.015%)	1332-58-7	<b>Multi-dose Toxicity:</b> Ingestion/Oral-Rat TDLo • 370 g/kg 37 Day(s)-Intermittent; <i>Blood:Normocytic anemia;</i> <i>Blood:Other changes; Blood:Changes in erythrocyte (RBC) count;</i> Inhalation-Rat TCLo • 9 mg/m <sup>3</sup> 96 Week (s)-Intermittent; <i>Lungs, Thorax, or Respiration:Fibrosis (interstitial);</i> <b>Reproductive:</b> Ingestion/Oral-Rat TDLo • 370 g/kg (37D pre/1-22D preg); <i>Reproductive Effects:Maternal Effects:Other effects; Reproductive Effects:Effects on Newborn:Other neonatal measures or effects.</i>
Carbon Black (3.45%)	1333-86-4	<b>Acute Toxicity:</b> Ingestion/Oral-Rat LD50 • >15400 mg/kg; <i>Behavioral:Somnolence (general depressed activity);</i> Inhalation-Rat TCLo • 229 mg/m <sup>3</sup> 6 Hour(s); <i>Lungs, Thorax, or Respiration:Other changes;</i> <i>Biochemical:Metabolism (intermediary):Effect on inflammation or mediation of inflammation;</i> Skin-Rabbit LD50 • >3 g/kg; <b>Mutagen:</b> DNA damage • Inhalation-Rat • 50 µg/L 13 Week(s)-Intermittent; <b>Tumorigen / Carcinogen:</b> Inhalation-Rat TCLo • 11600 µg/m <sup>3</sup> 18 Hour(s) 2 Year(s)-Intermittent; <i>Tumorigenic:Carcinogenic by RTECS criteria; Lungs, Thorax, or Respiration:Tumors</i>
Guanidine, 1,3-diphenyl- (0.06%)	102-06-7	<b>Acute Toxicity:</b> Ingestion/Oral-Rat LD50 • 350 mg/kg; <i>Lungs, Thorax, or Respiration:Other changes;</i> <i>Liver:Other changes; Blood:Hemorrhage;</i> Skin-Rabbit LD50 • >794 mg/kg; <b>Irritation:</b> Skin-Human • 1 % 48 Hour(s); <b>Multi-dose Toxicity:</b> Ingestion/Oral-Rat TDLo • 504 mg/kg 14 Day(s)-Intermittent; <i>Nutritional and Gross Metabolic:Gross Metabolite Changes:Weight loss or decreased weight gain;</i> <b>Reproductive:</b> Ingestion/Oral-Mouse TDLo • 140 mg/kg (35D male); <i>Reproductive Effects:Paternal</i>



Benzothiazole, 2,2'-dithiobis- (0.057% TO 0.06%)	120-78-5	<b>Effects:</b> Testes, epididymis, sperm duct <b>Acute Toxicity:</b> Ingestion/Oral-Rat LD50 • >12 g/kg; Skin-Rabbit LD50 • >7940 mg/kg; <b>Tumorigen / Carcinogen:</b> Ingestion/Oral-Mouse TDLo • 172 g/kg 78 Week(s)-Intermittent; <b>Tumorigenic:</b> Equivocal tumorigenic agent by RTECS criteria; <b>Lungs, Thorax, or Respiration:</b> Tumors; <b>Blood:</b> Tumors
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GHS Properties	Classification
<b>Acute toxicity</b>	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
<b>Aspiration Hazard</b>	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
<b>Carcinogenicity</b>	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
<b>Germ Cell Mutagenicity</b>	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
<b>Skin corrosion/Irritation</b>	EU/CLP • Skin Irritation 2 OSHA HCS 2012 • Skin Irritation 2
<b>Skin sensitization</b>	EU/CLP • Classification criteria not met OSHA HCS 2012 • Skin Sensitizer 1B
<b>STOT-RE</b>	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
<b>STOT-SE</b>	EU/CLP • Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects OSHA HCS 2012 • Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects
<b>Toxicity for Reproduction</b>	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
<b>Respiratory sensitization</b>	EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
<b>Serious eye damage/Irritation</b>	EU/CLP • Classification criteria not met OSHA HCS 2012 • Eye Irritation 2

**Target Organs**

- Central Nervous System (CNS)

**Route(s) of entry/exposure**

- Inhalation, Skin, Eye, Ingestion

**Potential Health Effects****Inhalation****Acute (Immediate)**

- May affect the central nervous system. Symptoms may include dizziness, drowsiness, lethargy, coma and death. Intentional concentration and inhalation of vapors of this material may lead to nervous system damage.

**Chronic (Delayed)**

- No data available.

**Skin****Acute (Immediate)**

- Causes skin irritation. May cause skin sensitization. Symptoms include redness, and skin rash.

**Chronic (Delayed)**

- Repeated and prolonged exposure may cause dermatitis.

**Eye****Acute (Immediate)**

- Causes eye irritation.

**Chronic (Delayed)**

- No data available.

**Ingestion**

- Acute (Immediate)**      • May cause irritation if swallowed.
- Chronic (Delayed)**      • No data available.
- Carcinogenic Effects**      • This product contains carbon black (encapsulated)(1333-86-4). According to IARC "No significant exposure to carbon black is thought to occur during the use of products in which carbon black is bound to other materials, such as rubber, printing ink or paint."

Carcinogenic Effects		
	CAS	IARC
Carbon Black	1333-86-4	Group 2B-Possible Carcinogen

## 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

- PBT and vPvB assessment has not been carried out.

### 12.6 Other adverse effects

- No studies have been found.

### 12.7 Other Information

- No data is available on the adverse effects of this material on the environment. Contains 60-100% of a component that has aquatic toxicity values that are expected to be in the range of 1 - 10 mg/l (based upon data from components and similar products).

## 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	UN1133	Adhesives, containing a flammable liquid	3	II	NDA
TDG	UN1133	ADHESIVES containing flammable liquid	3	II	Potential Marine Pollutant



IMO/IMDG	UN1133	ADHESIVES containing flammable liquid	3	II	NDA
IATA/ICAO	UN1133	Adhesives containing flammable liquid	3	II	Acute Aquatic Toxicity, Chronic Aquatic Toxicity

**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, Fire

State Right To Know				
Component	CAS	MA	NJ	PA
3-Ethylpentane	617-78-7	No	No	No
3-Methylhexane	589-34-4	Yes	Yes	Yes
Benzanilide, 2',2''-dithiobis-	135-57-9	No	No	No
Benzene	71-43-2	Yes	Yes	Yes
Benzothiazole, 2,2'-dithiobis-	120-78-5	No	No	No
Calcium silicate	1344-95-2	Yes	Yes	Yes
Carbon Black	1333-86-4	Yes	Yes	Yes
Ethylbenzene	100-41-4	Yes	Yes	Yes
Formaldehyde	50-00-0	Yes	Yes	Yes
Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl) phenol	26678-93-3	No	No	No
Guanidine, 1,3-diphenyl-	102-06-7	No	No	No
Heptane	142-82-5	Yes	Yes	Yes
Hexane, 2-methyl-	591-76-4	Yes	No	Yes
Kaolin	1332-58-7	Yes	Yes	Yes
Methylcyclohexane	108-87-2	Yes	Yes	Yes
Naphtha (petroleum), hydrotreated light	64742-49-0	No	No	No
Pentane, 2,3-dimethyl-	565-59-3	Yes	Yes	Yes
Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S2Cl2)	60303-68-6	No	No	No

Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	No	No	No
Propionic acid	79-09-4	Yes	Yes	Yes
Stearic acid	57-11-4	No	No	No
Sulfur	7704-34-9	Yes	Yes	Yes
Toluene	108-88-3	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	TSCA
3-Ethylpentane	617-78-7	No	No	No
3-Methylhexane	589-34-4	No	Yes	Yes
Benzanilide, 2',2'''-dithiobis-	135-57-9	Yes	No	Yes
Benzene	71-43-2	Yes	No	Yes
Benzothiazole, 2,2'-dithiobis-	120-78-5	Yes	No	Yes
Calcium silicate	1344-95-2	Yes	No	Yes
Carbon Black	1333-86-4	Yes	No	Yes
Ethylbenzene	100-41-4	Yes	No	Yes
Formaldehyde	50-00-0	Yes	No	Yes
Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl) phenol	26678-93-3	Yes	No	Yes
Guanidine, 1,3-diphenyl-	102-06-7	Yes	No	Yes
Heptane	142-82-5	Yes	No	Yes
Hexane, 2-methyl-	591-76-4	Yes	No	Yes
Kaolin	1332-58-7	Yes	No	Yes
Methylcyclohexane	108-87-2	Yes	No	Yes
Naphtha (petroleum), hydrotreated light	64742-49-0	Yes	No	Yes
Pentane, 2,3-dimethyl-	565-59-3	No	Yes	Yes
Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S <sub>2</sub> Cl <sub>2</sub> )	60303-68-6	Yes	No	Yes
Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Yes	No	Yes
Propionic acid	79-09-4	Yes	No	Yes
Stearic acid	57-11-4	Yes	No	Yes
Sulfur	7704-34-9	Yes	No	Yes



Toluene	108-88-3	Yes	No	Yes
White mineral oil	8042-47-5	Yes	No	Yes
Zinc oxide	1314-13-2	Yes	No	Yes

## Canada

### Labor

#### Canada - WHMIS - Classifications of Substances

• Calcium silicate	1344-95-2	Uncontrolled product according to WHMIS classification criteria
• Stearic acid	57-11-4	Uncontrolled product according to WHMIS classification criteria
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Methylcyclohexane	108-87-2	B2
• 3-Methylhexane	589-34-4	B2
• Hexane, 2-methyl-	591-76-4	B2
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Kaolin	1332-58-7	D2A
• Propionic acid	79-09-4	B3, D1B, E
• Formaldehyde	50-00-0	A, B1, D1A, D2A, D2B; B3, D1A, D2A, D2B, E (regulated under Formol) D2A (In certain cases, this classification does not apply. For more information, consult the section Substance Specific Issues - Carbon Black, non-respirable on Health Canada's WHMIS website.)
• Carbon Black	1333-86-4	
• Ethylbenzene	100-41-4	B2, D2A, D2B
• Heptane	142-82-5	B2, D2B
• Toluene	108-88-3	B2, D2A, D2B
• Zinc oxide	1314-13-2	Uncontrolled product according to WHMIS classification criteria
• Benzene	71-43-2	B2, D2A, D2B
• White mineral oil	8042-47-5	Uncontrolled product according to WHMIS classification criteria
• Sulfur	7704-34-9	B4
• Guanidine, 1,3-diphenyl-	102-06-7	Not Listed
• Benzanilide, 2',2''-dithiobis-	135-57-9	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	B2
• 3-Ethylpentane	617-78-7	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Uncontrolled product according to WHMIS classification criteria
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S2Cl2)	60303-68-6	Not Listed
<b>Canada - WHMIS - Ingredient Disclosure List</b>		
• Calcium silicate	1344-95-2	Not Listed
• Stearic acid	57-11-4	1 %
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed

• Methylcyclohexane	108-87-2	1 %
• 3-Methylhexane	589-34-4	Not Listed
• Hexane, 2-methyl-	591-76-4	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	1 %
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	1 %
• Formaldehyde	50-00-0	0.1 %
• Carbon Black	1333-86-4	1 %
• Ethylbenzene	100-41-4	0.1 %
• Heptane	142-82-5	1 %
• Toluene	108-88-3	1 %
• Zinc oxide	1314-13-2	1 %
• Benzene	71-43-2	0.1 %
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Guanidine, 1,3-diphenyl-	102-06-7	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	Not Listed
• 3-Ethylpentane	617-78-7	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S <sub>2</sub> Cl <sub>2</sub> )	60303-68-6	Not Listed

## Environment

### Canada - CEPA - Priority Substances List

• Calcium silicate	1344-95-2	Not Listed
• Stearic acid	57-11-4	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Methylcyclohexane	108-87-2	Not Listed
• 3-Methylhexane	589-34-4	Not Listed
• Hexane, 2-methyl-	591-76-4	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	Not Listed
• Formaldehyde	50-00-0	Priority Substance List 2 (substance considered toxic)
• Carbon Black	1333-86-4	Not Listed
• Ethylbenzene	100-41-4	Not Listed
• Heptane	142-82-5	Not Listed
• Toluene	108-88-3	Priority Substance List 1 (substance not considered toxic)
• Zinc oxide	1314-13-2	Not Listed
• Benzene	71-43-2	Priority Substance List 1 (substance considered toxic)
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Guanidine, 1,3-diphenyl-	102-06-7	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	Not Listed
• 3-Ethylpentane	617-78-7	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	Not Listed



• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S2Cl2)	60303-68-6	Not Listed
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## United States

### Labor

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

• Calcium silicate	1344-95-2	Not Listed
• Stearic acid	57-11-4	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Methylcyclohexane	108-87-2	Not Listed
• 3-Methylhexane	589-34-4	Not Listed
• Hexane, 2-methyl-	591-76-4	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	Not Listed
• Formaldehyde	50-00-0	1000 lb TQ
• Carbon Black	1333-86-4	Not Listed
• Ethylbenzene	100-41-4	Not Listed
• Heptane	142-82-5	Not Listed
• Toluene	108-88-3	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Benzene	71-43-2	Not Listed
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Guanidine, 1,3-diphenyl-	102-06-7	Not Listed
• Benzanilide, 2',2''-dithiobis-	135-57-9	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	Not Listed
• 3-Ethylpentane	617-78-7	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S2Cl2)	60303-68-6	Not Listed

#### U.S. - OSHA - Specifically Regulated Chemicals

• Calcium silicate	1344-95-2	Not Listed
• Stearic acid	57-11-4	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Methylcyclohexane	108-87-2	Not Listed
• 3-Methylhexane	589-34-4	Not Listed
• Hexane, 2-methyl-	591-76-4	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	Not Listed
• Formaldehyde	50-00-0	2 ppm STEL (Irritant and potential cancer hazard, See 29 CFR 1910.1048, 15 min); 0.5 ppm Action Level; 0.75 ppm TWA
• Carbon Black	1333-86-4	Not Listed
• Ethylbenzene	100-41-4	Not Listed
• Heptane	142-82-5	Not Listed
• Toluene	108-88-3	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Benzene	71-43-2	5 ppm STEL (Cancer hazard, Flammable, See 29 CFR 1910.1028, 15 min); 0.5 ppm

		Action Level; 1 ppm TWA
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Guanidine, 1,3-diphenyl-	102-06-7	Not Listed
• Benzanilide, 2',2''-dithiobis-	135-57-9	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	Not Listed
• 3-Ethylpentane	617-78-7	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S <sub>2</sub> Cl <sub>2</sub> )	60303-68-6	Not Listed

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

• Calcium silicate	1344-95-2	Not Listed
• Stearic acid	57-11-4	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Methylcyclohexane	108-87-2	Not Listed
• 3-Methylhexane	589-34-4	Not Listed
• Hexane, 2-methyl-	591-76-4	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	Not Listed
• Formaldehyde	50-00-0	
• Carbon Black	1333-86-4	Not Listed
• Ethylbenzene	100-41-4	
• Heptane	142-82-5	Not Listed
• Toluene	108-88-3	
• Zinc oxide	1314-13-2	Not Listed
• Benzene	71-43-2	(including Benzene from gasoline)
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Guanidine, 1,3-diphenyl-	102-06-7	Not Listed
• Benzanilide, 2',2''-dithiobis-	135-57-9	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	Not Listed
• 3-Ethylpentane	617-78-7	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S <sub>2</sub> Cl <sub>2</sub> )	60303-68-6	Not Listed

**U.S. - CERCLA/SARA - Hazardous Substances and their Reportable Quantities**

• Calcium silicate	1344-95-2	Not Listed
• Stearic acid	57-11-4	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Methylcyclohexane	108-87-2	Not Listed
• 3-Methylhexane	589-34-4	Not Listed
• Hexane, 2-methyl-	591-76-4	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	5000 lb final RQ; 2270 kg final RQ
• Formaldehyde	50-00-0	100 lb final RQ; 45.4 kg final RQ
• Carbon Black	1333-86-4	Not Listed



• Ethylbenzene	100-41-4	1000 lb final RQ; 454 kg final RQ
• Heptane	142-82-5	Not Listed
• Toluene	108-88-3	1000 lb final RQ; 454 kg final RQ
• Zinc oxide	1314-13-2	Not Listed
• Benzene	71-43-2	10 lb final RQ (received an adjusted RQ of 10 lbs based on potential carcinogenicity in an August 14, 1989 final rule); 4.54 kg final RQ (received an adjusted RQ of 10 lbs based on potential carcinogenicity in an August 14, 1989 final rule)
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Guanidine, 1,3-diphenyl-	102-06-7	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	Not Listed
• 3-Ethylpentane	617-78-7	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S2Cl2)	60303-68-6	Not Listed
<b>U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities</b>		
• Calcium silicate	1344-95-2	Not Listed
• Stearic acid	57-11-4	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Methylcyclohexane	108-87-2	Not Listed
• 3-Methylhexane	589-34-4	Not Listed
• Hexane, 2-methyl-	591-76-4	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	Not Listed
• Formaldehyde	50-00-0	Not Listed
• Carbon Black	1333-86-4	Not Listed
• Ethylbenzene	100-41-4	Not Listed
• Heptane	142-82-5	Not Listed
• Toluene	108-88-3	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Benzene	71-43-2	Not Listed
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Guanidine, 1,3-diphenyl-	102-06-7	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	Not Listed
• 3-Ethylpentane	617-78-7	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S2Cl2)	60303-68-6	Not Listed
<b>U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs</b>		
• Calcium silicate	1344-95-2	Not Listed
• Stearic acid	57-11-4	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed

• Methylcyclohexane	108-87-2	Not Listed
• 3-Methylhexane	589-34-4	Not Listed
• Hexane, 2-methyl-	591-76-4	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	Not Listed
• Formaldehyde	50-00-0	100 lb EPCRA RQ
• Carbon Black	1333-86-4	Not Listed
• Ethylbenzene	100-41-4	Not Listed
• Heptane	142-82-5	Not Listed
• Toluene	108-88-3	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Benzene	71-43-2	Not Listed
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Guanidine, 1,3-diphenyl-	102-06-7	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	Not Listed
• 3-Ethylpentane	617-78-7	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S2Cl2)	60303-68-6	Not Listed
<b>U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs</b>		
• Calcium silicate	1344-95-2	Not Listed
• Stearic acid	57-11-4	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Methylcyclohexane	108-87-2	Not Listed
• 3-Methylhexane	589-34-4	Not Listed
• Hexane, 2-methyl-	591-76-4	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	Not Listed
• Formaldehyde	50-00-0	500 lb TPQ
• Carbon Black	1333-86-4	Not Listed
• Ethylbenzene	100-41-4	Not Listed
• Heptane	142-82-5	Not Listed
• Toluene	108-88-3	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Benzene	71-43-2	Not Listed
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Guanidine, 1,3-diphenyl-	102-06-7	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	Not Listed
• 3-Ethylpentane	617-78-7	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S2Cl2)	60303-68-6	Not Listed
<b>U.S. - CERCLA/SARA - Section 313 - Emission Reporting</b>		
• Calcium silicate	1344-95-2	Not Listed
• Stearic acid	57-11-4	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed



• Methylcyclohexane	108-87-2	Not Listed
• 3-Methylhexane	589-34-4	Not Listed
• Hexane, 2-methyl-	591-76-4	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	Not Listed
• Formaldehyde	50-00-0	0.1 % de minimis concentration
• Carbon Black	1333-86-4	Not Listed
• Ethylbenzene	100-41-4	0.1 % de minimis concentration
• Heptane	142-82-5	Not Listed
• Toluene	108-88-3	1.0 % de minimis concentration
• Zinc oxide	1314-13-2	Not Listed
• Benzene	71-43-2	0.1 % de minimis concentration
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Guanidine, 1,3-diphenyl-	102-06-7	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	Not Listed
• 3-Ethylpentane	617-78-7	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S <sub>2</sub> Cl <sub>2</sub> )	60303-68-6	Not Listed

**U.S. - CERCLA/SARA - Section 313 - PBT Chemical Listing**

• Calcium silicate	1344-95-2	Not Listed
• Stearic acid	57-11-4	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Methylcyclohexane	108-87-2	Not Listed
• 3-Methylhexane	589-34-4	Not Listed
• Hexane, 2-methyl-	591-76-4	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	Not Listed
• Formaldehyde	50-00-0	Not Listed
• Carbon Black	1333-86-4	Not Listed
• Ethylbenzene	100-41-4	Not Listed
• Heptane	142-82-5	Not Listed
• Toluene	108-88-3	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Benzene	71-43-2	Not Listed
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Guanidine, 1,3-diphenyl-	102-06-7	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	Not Listed
• 3-Ethylpentane	617-78-7	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S <sub>2</sub> Cl <sub>2</sub> )	60303-68-6	Not Listed

**U.S. - RCRA (Resource Conservation & Recovery Act) - Basis for Listing - Appendix VII**

• Calcium silicate	1344-95-2	Not Listed
• Stearic acid	57-11-4	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Methylcyclohexane	108-87-2	Not Listed
• 3-Methylhexane	589-34-4	Not Listed
• Hexane, 2-methyl-	591-76-4	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	Not Listed
• Formaldehyde	50-00-0	Included in waste streams: K009, K010, K038, K040, K156, K157
• Carbon Black	1333-86-4	Not Listed
• Ethylbenzene	100-41-4	Included in waste stream: F039
• Heptane	142-82-5	Not Listed
• Toluene	108-88-3	Included in waste streams: F005, F024, F025, F039, K015, K036, K037, K149, K151
• Zinc oxide	1314-13-2	Not Listed
• Benzene	71-43-2	Included in waste streams: F005, F024, F025, F037, F038, F039, K085, K104, K105, K141, K142, K143, K144, K145, K147, K151, K159, K169, K171, K172
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Guanidine, 1,3-diphenyl-	102-06-7	Not Listed
• Benzanilide, 2,2''-dithiobis-	135-57-9	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	Not Listed
• 3-Ethylpentane	617-78-7	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S2Cl2)	60303-68-6	Not Listed

**U.S. - RCRA (Resource Conservation & Recovery Act) - Constituents for Detection Monitoring**

• Calcium silicate	1344-95-2	Not Listed
• Stearic acid	57-11-4	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Methylcyclohexane	108-87-2	Not Listed
• 3-Methylhexane	589-34-4	Not Listed
• Hexane, 2-methyl-	591-76-4	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	Not Listed
• Formaldehyde	50-00-0	Not Listed
• Carbon Black	1333-86-4	Not Listed
• Ethylbenzene	100-41-4	
• Heptane	142-82-5	Not Listed
• Toluene	108-88-3	
• Zinc oxide	1314-13-2	Not Listed
• Benzene	71-43-2	
• White mineral oil	8042-47-5	Not Listed



• Sulfur	7704-34-9	Not Listed
• Guanidine, 1,3-diphenyl-	102-06-7	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	Not Listed
• 3-Ethylpentane	617-78-7	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S2Cl2)	60303-68-6	Not Listed

**U.S. - RCRA (Resource Conservation & Recovery Act) - D Series Wastes - Max Conc of Contaminants for the Toxic Characteristic**

• Calcium silicate	1344-95-2	Not Listed
• Stearic acid	57-11-4	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Methylcyclohexane	108-87-2	Not Listed
• 3-Methylhexane	589-34-4	Not Listed
• Hexane, 2-methyl-	591-76-4	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	Not Listed
• Formaldehyde	50-00-0	Not Listed
• Carbon Black	1333-86-4	Not Listed
• Ethylbenzene	100-41-4	Not Listed
• Heptane	142-82-5	Not Listed
• Toluene	108-88-3	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Benzene	71-43-2	0.5 mg/L regulatory level
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Guanidine, 1,3-diphenyl-	102-06-7	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	Not Listed
• 3-Ethylpentane	617-78-7	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S2Cl2)	60303-68-6	Not Listed

**U.S. - RCRA (Resource Conservation & Recovery Act) - Hazardous Constituents - Appendix VIII to 40 CFR 261**

• Calcium silicate	1344-95-2	Not Listed
• Stearic acid	57-11-4	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Methylcyclohexane	108-87-2	Not Listed
• 3-Methylhexane	589-34-4	Not Listed
• Hexane, 2-methyl-	591-76-4	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	Not Listed
• Formaldehyde	50-00-0	waste number U122
• Carbon Black	1333-86-4	Not Listed
• Ethylbenzene	100-41-4	Not Listed
• Heptane	142-82-5	Not Listed
• Toluene	108-88-3	waste number U220
• Zinc oxide	1314-13-2	Not Listed
• Benzene	71-43-2	waste number U019

• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Guanidine, 1,3-diphenyl-	102-06-7	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	Not Listed
• 3-Ethylpentane	617-78-7	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S2Cl2)	60303-68-6	Not Listed

**U.S. - RCRA (Resource Conservation & Recovery Act) - List for Hazardous Constituents**

• Calcium silicate	1344-95-2	Not Listed
• Stearic acid	57-11-4	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Methylcyclohexane	108-87-2	Not Listed
• 3-Methylhexane	589-34-4	Not Listed
• Hexane, 2-methyl-	591-76-4	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	Not Listed
• Formaldehyde	50-00-0	Not Listed
• Carbon Black	1333-86-4	Not Listed
• Ethylbenzene	100-41-4	
• Heptane	142-82-5	Not Listed
• Toluene	108-88-3	
• Zinc oxide	1314-13-2	Not Listed
• Benzene	71-43-2	
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Guanidine, 1,3-diphenyl-	102-06-7	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	Not Listed
• 3-Ethylpentane	617-78-7	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S2Cl2)	60303-68-6	Not Listed

**U.S. - RCRA (Resource Conservation & Recovery Act) - Phase 4 LDR Rule - Universal Treatment Standards**

• Calcium silicate	1344-95-2	Not Listed
• Stearic acid	57-11-4	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Methylcyclohexane	108-87-2	Not Listed
• 3-Methylhexane	589-34-4	Not Listed
• Hexane, 2-methyl-	591-76-4	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	Not Listed
• Formaldehyde	50-00-0	Not Listed
• Carbon Black	1333-86-4	Not Listed
• Ethylbenzene	100-41-4	0.057 mg/L (wastewater); 10 mg/kg (nonwastewater)
• Heptane	142-82-5	Not Listed
• Toluene	108-88-3	0.080 mg/L (wastewater); 10 mg/kg (nonwastewater)



• Zinc oxide	1314-13-2	Not Listed
• Benzene	71-43-2	0.14 mg/L (wastewater); 10 mg/kg (nonwastewater)
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Guanidine, 1,3-diphenyl-	102-06-7	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	Not Listed
• 3-Ethylpentane	617-78-7	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S <sub>2</sub> Cl <sub>2</sub> )	60303-68-6	Not Listed

**U.S. - RCRA (Resource Conservation & Recovery Act) - TSD Facilities Ground Water Monitoring**

• Calcium silicate	1344-95-2	Not Listed
• Stearic acid	57-11-4	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Methylcyclohexane	108-87-2	Not Listed
• 3-Methylhexane	589-34-4	Not Listed
• Hexane, 2-methyl-	591-76-4	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	Not Listed
• Formaldehyde	50-00-0	Not Listed
• Carbon Black	1333-86-4	Not Listed
• Ethylbenzene	100-41-4	
• Heptane	142-82-5	Not Listed
• Toluene	108-88-3	
• Zinc oxide	1314-13-2	Not Listed
• Benzene	71-43-2	
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Guanidine, 1,3-diphenyl-	102-06-7	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	Not Listed
• 3-Ethylpentane	617-78-7	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S <sub>2</sub> Cl <sub>2</sub> )	60303-68-6	Not Listed

**U.S. - RCRA (Resource Conservation & Recovery Act) - U Series Wastes - Acutely Toxic Wastes & Other Hazardous Characteristics**

• Calcium silicate	1344-95-2	Not Listed
• Stearic acid	57-11-4	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Methylcyclohexane	108-87-2	Not Listed
• 3-Methylhexane	589-34-4	Not Listed
• Hexane, 2-methyl-	591-76-4	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	Not Listed
• Formaldehyde	50-00-0	waste number U122
• Carbon Black	1333-86-4	Not Listed
• Ethylbenzene	100-41-4	Not Listed

• Heptane	142-82-5	Not Listed
• Toluene	108-88-3	waste number U220
• Zinc oxide	1314-13-2	Not Listed
• Benzene	71-43-2	waste number U019 (Ignitable waste, Toxic waste)
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Guanidine, 1,3-diphenyl-	102-06-7	Not Listed
• Benzanilide, 2',2''-dithiobis-	135-57-9	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	Not Listed
• 3-Ethylpentane	617-78-7	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S2Cl2)	60303-68-6	Not Listed

## United States - California

### Environment

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

• Calcium silicate	1344-95-2	Not Listed
• Stearic acid	57-11-4	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Methylcyclohexane	108-87-2	Not Listed
• 3-Methylhexane	589-34-4	Not Listed
• Hexane, 2-methyl-	591-76-4	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	Not Listed
• Formaldehyde	50-00-0	carcinogen, initial date 1/1/88 (gas)
• Carbon Black	1333-86-4	carcinogen, initial date 2/21/03 (airborne, unbound particles of respirable size)
• Ethylbenzene	100-41-4	carcinogen, initial date 6/11/04
• Heptane	142-82-5	Not Listed
• Toluene	108-88-3	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Benzene	71-43-2	carcinogen, initial date 2/27/87
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Guanidine, 1,3-diphenyl-	102-06-7	Not Listed
• Benzanilide, 2',2''-dithiobis-	135-57-9	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	Not Listed
• 3-Ethylpentane	617-78-7	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S2Cl2)	60303-68-6	Not Listed

#### U.S. - California - Proposition 65 - Developmental Toxicity

• Calcium silicate	1344-95-2	Not Listed
• Stearic acid	57-11-4	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Methylcyclohexane	108-87-2	Not Listed
• 3-Methylhexane	589-34-4	Not Listed
• Hexane, 2-methyl-	591-76-4	Not Listed



• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	Not Listed
• Formaldehyde	50-00-0	Not Listed
• Carbon Black	1333-86-4	Not Listed
• Ethylbenzene	100-41-4	Not Listed
• Heptane	142-82-5	Not Listed
• Toluene	108-88-3	developmental toxicity, initial date 1/1/91
• Zinc oxide	1314-13-2	Not Listed
• Benzene	71-43-2	developmental toxicity, initial date 12/26/97
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Guanidine, 1,3-diphenyl-	102-06-7	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	Not Listed
• 3-Ethylpentane	617-78-7	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S <sub>2</sub> Cl <sub>2</sub> )	60303-68-6	Not Listed
<b>U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)</b>		
• Calcium silicate	1344-95-2	Not Listed
• Stearic acid	57-11-4	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Methylcyclohexane	108-87-2	Not Listed
• 3-Methylhexane	589-34-4	Not Listed
• Hexane, 2-methyl-	591-76-4	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	Not Listed
• Formaldehyde	50-00-0	Not Listed
• Carbon Black	1333-86-4	Not Listed
• Ethylbenzene	100-41-4	Not Listed
• Heptane	142-82-5	Not Listed
• Toluene	108-88-3	7000 µg/day MADL (level represents absorbed dose)
• Zinc oxide	1314-13-2	Not Listed
• Benzene	71-43-2	24 µg/day MADL (oral); 49 µg/day MADL (inhalation)
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Guanidine, 1,3-diphenyl-	102-06-7	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	Not Listed
• 3-Ethylpentane	617-78-7	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S <sub>2</sub> Cl <sub>2</sub> )	60303-68-6	Not Listed
<b>U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)</b>		
• Calcium silicate	1344-95-2	Not Listed
• Stearic acid	57-11-4	Not Listed

• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Methylcyclohexane	108-87-2	Not Listed
• 3-Methylhexane	589-34-4	Not Listed
• Hexane, 2-methyl-	591-76-4	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	Not Listed
• Formaldehyde	50-00-0	40 µg/day NSRL
• Carbon Black	1333-86-4	Not Listed
• Ethylbenzene	100-41-4	54 µg/day NSRL (inhalation); 41 µg/day NSRL (oral)
• Heptane	142-82-5	Not Listed
• Toluene	108-88-3	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Benzene	71-43-2	6.4 µg/day NSRL (oral); 13 µg/day NSRL (inhalation)
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Guanidine, 1,3-diphenyl-	102-06-7	Not Listed
• Benzanilide, 2',2''-dithiobis-	135-57-9	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	Not Listed
• 3-Ethylpentane	617-78-7	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S <sub>2</sub> Cl <sub>2</sub> )	60303-68-6	Not Listed
<b>U.S. - California - Proposition 65 - Reproductive Toxicity - Female</b>		
• Calcium silicate	1344-95-2	Not Listed
• Stearic acid	57-11-4	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Methylcyclohexane	108-87-2	Not Listed
• 3-Methylhexane	589-34-4	Not Listed
• Hexane, 2-methyl-	591-76-4	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	Not Listed
• Formaldehyde	50-00-0	Not Listed
• Carbon Black	1333-86-4	Not Listed
• Ethylbenzene	100-41-4	Not Listed
• Heptane	142-82-5	Not Listed
• Toluene	108-88-3	female reproductive toxicity, initial date 8/7/09
• Zinc oxide	1314-13-2	Not Listed
• Benzene	71-43-2	Not Listed
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Guanidine, 1,3-diphenyl-	102-06-7	Not Listed
• Benzanilide, 2',2''-dithiobis-	135-57-9	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	Not Listed
• 3-Ethylpentane	617-78-7	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S <sub>2</sub> Cl <sub>2</sub> )	60303-68-6	Not Listed



**U.S. - California - Proposition 65 - Reproductive Toxicity - Male**

• Calcium silicate	1344-95-2	Not Listed
• Stearic acid	57-11-4	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Methylcyclohexane	108-87-2	Not Listed
• 3-Methylhexane	589-34-4	Not Listed
• Hexane, 2-methyl-	591-76-4	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	Not Listed
• Formaldehyde	50-00-0	Not Listed
• Carbon Black	1333-86-4	Not Listed
• Ethylbenzene	100-41-4	Not Listed
• Heptane	142-82-5	Not Listed
• Toluene	108-88-3	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Benzene	71-43-2	male reproductive toxicity, initial date 12/26/97
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Guanidine, 1,3-diphenyl-	102-06-7	Not Listed
• Benzanilide, 2',2''-dithiobis-	135-57-9	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	Not Listed
• 3-Ethylpentane	617-78-7	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S2Cl2)	60303-68-6	Not Listed

**United States - Pennsylvania****Labor****U.S. - Pennsylvania - RTK (Right to Know) - Environmental Hazard List**

• Calcium silicate	1344-95-2	Not Listed
• Stearic acid	57-11-4	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Methylcyclohexane	108-87-2	Not Listed
• 3-Methylhexane	589-34-4	Not Listed
• Hexane, 2-methyl-	591-76-4	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	
• Formaldehyde	50-00-0	
• Carbon Black	1333-86-4	Not Listed
• Ethylbenzene	100-41-4	
• Heptane	142-82-5	Not Listed
• Toluene	108-88-3	
• Zinc oxide	1314-13-2	(including fume)
• Benzene	71-43-2	
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Guanidine, 1,3-diphenyl-	102-06-7	Not Listed
• Benzanilide, 2',2''-dithiobis-	135-57-9	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	Not Listed
• 3-Ethylpentane	617-78-7	Not Listed

• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S <sub>2</sub> Cl <sub>2</sub> )	60303-68-6	Not Listed

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

• Calcium silicate	1344-95-2	Not Listed
• Stearic acid	57-11-4	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Methylcyclohexane	108-87-2	Not Listed
• 3-Methylhexane	589-34-4	Not Listed
• Hexane, 2-methyl-	591-76-4	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	Not Listed
• Formaldehyde	50-00-0	
• Carbon Black	1333-86-4	Not Listed
• Ethylbenzene	100-41-4	Not Listed
• Heptane	142-82-5	Not Listed
• Toluene	108-88-3	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Benzene	71-43-2	
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Not Listed
• Guanidine, 1,3-diphenyl-	102-06-7	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	Not Listed
• 3-Ethylpentane	617-78-7	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S <sub>2</sub> Cl <sub>2</sub> )	60303-68-6	Not Listed

**United States - Rhode Island****Labor****U.S. - Rhode Island - Hazardous Substance List**

• Calcium silicate	1344-95-2	Toxic
• Stearic acid	57-11-4	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Not Listed
• Methylcyclohexane	108-87-2	Toxic
• 3-Methylhexane	589-34-4	Not Listed
• Hexane, 2-methyl-	591-76-4	Not Listed
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Kaolin	1332-58-7	Toxic
• Propionic acid	79-09-4	Toxic; Flammable
• Formaldehyde	50-00-0	Toxic; Flammable; Carcinogen
• Carbon Black	1333-86-4	Toxic
• Ethylbenzene	100-41-4	Toxic; Flammable
• Heptane	142-82-5	Toxic; Flammable
• Toluene	108-88-3	Toxic (skin); Flammable (skin)
• Zinc oxide	1314-13-2	Toxic
• Benzene	71-43-2	Toxic (skin); Flammable (skin); Carcinogen (skin)
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Flammable



• Guanidine, 1,3-diphenyl-	102-06-7	Not Listed
• Benzanilide, 2',2'''-dithiobis-	135-57-9	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	Not Listed
• 3-Ethylpentane	617-78-7	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Formaldehyde, polymer with 4-(1,1,3,3-tetramethylbutyl)phenol	26678-93-3	Not Listed
• Phenol, 4-(1,1-dimethylethyl)-, polymer with sulfur chloride (S <sub>2</sub> Cl <sub>2</sub> )	60303-68-6	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 and birth defects or other reproductive harm.

## Section 16 - Other Information

### Relevant Phrases (code & full text)

- H302 - Harmful if swallowed
- H317 - May cause an allergic skin reaction
- H318 - Causes serious eye damage
- H319 - Causes serious eye irritation
- H320 - Causes eye irritation
- H335 - May cause respiratory irritation
- H361 - Suspected of damaging fertility or the unborn child.
- H411 - Toxic to aquatic life with long lasting effects
- EUH031 - Contact with acids liberates toxic gas.
- R22 - Harmful if swallowed.
- R31 - Contact with acids liberates toxic gas.
- R41 - Risk of serious damage to eyes.
- R43 - May cause sensitisation by skin contact.
- R45 - May cause cancer.
- R46 - May cause heritable genetic damage.
- R50 - Very toxic to aquatic organisms.
- R62 - Possible risk of impaired fertility.
- R65 - Harmful: may cause lung damage if swallowed.

### Last Revision Date

- 13/August/2013

### Preparation Date

- 10/February/2009

### 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.