

## Safety Data Sheet



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

#### 1.1 Product identifier

- Product Name** ● **Splice Cement**  
**Synonyms** ● NR Splice Cement  
**Product Code** ● 98-250; 98-872

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

- Relevant identified use(s)** ● Rubber 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

- Responsible party** ● Christian Gimenez  
Intertek Analytical Services France  
France

**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 EU Directive 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, R50, 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.
  - P321 - Specific treatment, see supplemental first aid information.
  - P352 - Wash with plenty of soap and water.
  - 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.
  - R50 - Very 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

**DSD/DPD**

hazardous.

- 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 1 - 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
  - Wash with plenty of soap and water. - P352
  - Take off contaminated clothing and wash before reuse. - P362
  - If skin irritation or rash occurs: Get medical advice/attention. - P333+P313
  - 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	40% TO 70%	NDA	EU DSD/DPD: Annex I: F; R11 Xi; R38 N; R50 R53 Xn; R65 R67 EU CLP: Annex VI: Flam. Liq. 2, H225; Asp. Tox. 1, H304; 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	1% TO 5%	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
Zinc oxide	CAS:1314-13-2 EC Number:215-222-5	0.1% TO 1%	NDA	EU DSD/DPD: Annex I: N; R50-53 EU CLP: Annex VI: Aquatic Acute 1, H400; Aquatic Chronic 1, H410 OSHA HCS 2012: Not Classified - Criteria not met	NDA
Sulfur	CAS:7704-34-9 EC Number:231-	0.1% TO 1%	NDA	EU DSD/DPD: Annex I: Xi; R38 EU CLP: Annex VI: Skin Irrit. 2; H315 OSHA HCS 2012: Eye Irrit. 2; STOT SE 3: Resp.	NDA

	722-6			Irrit.	
Rosin	CAS:8050-09-7 EC Number:232-475-7	0.1% TO 1%	Inhalation-Rat LC50 • 110 mg/m <sup>3</sup> Ingestion/Oral-Rat LD50 • 3 mg/kg	EU DSD/DPD: Annex I: R43 EU CLP: Self Classified: Skin Sens. 1, H317 OSHA HCS 2012: Acute Tox. 1 (Oral)	NDA
Propionic acid	CAS:79-09-4 EC Number:201-176-3	0% TO 1%	Ingestion/Oral-Rat LD50 • 2600 mg/kg Skin-Rabbit LD50 • 500 µL/kg	EU CLP: Community workplace exposure limit	NDA
Phenol, p-(1,1,3,3-tetramethylbutyl)-	CAS:140-66-9 EINECS:205-426-2	0% TO 1%	Skin-Rabbit LD50 • 1880 mg/kg Ingestion/Oral-Rat LD50 • >2000 mg/kg	EU DSD/DPD: Annex I: 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 OSHA HCS 2012: Acute Tox 4 (Oral, Skin); Eye Irrit. 2; Skin Irrit. 2	NDA
Kaolin	CAS:1332-58-7	0% TO 1%	NDA	EU CLP: Community workplace exposure limit	NDA
Guanidine, 1,3-diphenyl-	CAS:102-06-7 EC Number:203-002-1	0% TO 1%	Ingestion/Oral-Rat LD50 • 323 mg/kg Skin-Rabbit LD50 • >794 mg/kg	EU DSD/DPD: Annex I: Xn; R22 Xi; R36/37/38 N; R51-53 Repr.Cat.3; R62 EU CLP: Annex VI: Repr 2, H361f; Acute Tox. 4, H302; Eye Irrit. 2, H319; STOT SE 3: Resp. Irrit., H335; Skin Irrit. 2, H315; Aquatic Chronic 2, H411 OSHA HCS 2012: Eye Irrit. 2A; Acute Tox. 4 (Dermal); Acute Tox. 4 (Oral); Repr. 2	NDA
Formaldehyde	CAS:50-00-0 EC Number:200-001-8	0% TO 1%	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
Calcium silicate	CAS:1344-95-2 EINECS:215-710-8	0% TO 1%	NDA	EU CLP: Community workplace exposure limit	NDA
Benzothiazole, 2,2'-dithiobis-	CAS:120-78-5 EC Number:204-424-9	0.1% TO 1%	Ingestion/Oral-Rat LD50 • >12 g/kg Skin-Rabbit LD50 • >7940 mg/kg	EU DSD/DPD: Annex I: R31 R43 N; R50-53 EU CLP: Annex VI: Skin Sens. 1, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; EUH031 OSHA HCS 2012: Skin Sens. 1	NDA
Benzanilide, 2',2''-dithiobis-	CAS:135-57-9 EINECS:205-201-9	0% TO 1%	Ingestion/Oral-Rat LD50 • >4 g/kg	EU DSD/DPD: Self Classified: R43 EU CLP: Self Classified: Skin Sens. 1, H317 OSHA HCS 2012: Eye Irrit. 2B; Skin Sens. 1	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.

#### 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.

See Section 2 for Potential Health Effects.

## 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. Runoff from fire control may cause pollution.

**Hazardous Combustion Products**

- Smoke, soot, fumes or vapors, oxides of carbon, various hydrocarbons.

**5.3 Advice for firefighters**

- Structural firefighters' protective clothing will only provide limited protection. Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection. Wear positive pressure self-contained breathing apparatus (SCBA). Move containers from fire area if you can do it without risk. Use water spray to cool containers exposed to fire. **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**

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

	Result	Exposure Limits/Guidelines				
		ACGIH	Canada Ontario	Canada Quebec	Europe	France
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	Not established	10 ppm VME (indicative limit); 31 mg/m <sup>3</sup> VME (indicative limit)
	STELs	Not established	Not established	Not established	Not established	20 ppm VLCT (indicative limit); 62 mg/m <sup>3</sup> VLCT (indicative limit)
Formaldehyde (50-00-0)	Ceilings	0.3 ppm Ceiling	1.5 ppm CEV	2 ppm Ceiling; 3 mg/m <sup>3</sup> Ceiling	Not established	Not established
	STELs	Not established	1.0 ppm STEV	Not established	Not established	1 ppm VLCT
	TWAs	Not established	Not established	Not established	Not established	0.5 ppm VME
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)	Not established	Not established
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	Not established	400 ppm VME; 1600 mg/m <sup>3</sup> VME

Kaolin (1332-58-7)	TWAs	2 mg/m3 TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction)	2 mg/m3 TWAEV (containing no asbestos and less than 1% crystalline silica, respirable)	5 mg/m3 TWAEV (respirable dust, containing no asbestos and less than 1% crystalline silica)	Not established	10 mg/m3 VME
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
Ethylbenzene (100-41-4)	STELs	125 ppm STEL	125 ppm STEV; 540 mg/m3 STEV	125 ppm STEV; 543 mg/m3 STEV	Not established	100 ppm VLCT (restrictive limit); 442 mg/m3 VLCT (restrictive limit)
	TWAs	100 ppm TWA	100 ppm TWAEV; 435 mg/m3 TWAEV	100 ppm TWAEV; 434 mg/m3 TWAEV	Not established	20 ppm VME (restrictive limit); 88.4 mg/m3 VME (restrictive limit)
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/m3 STEV	Not established	Not established
	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/m3 TWAEV	Not established	1 ppm VME (restrictive limit); 3.25 mg/m3 VME (restrictive limit)
Toluene (108-88-3)	STELs	Not established	Not established	Not established	100 ppm STEL; 384 mg/m3 STEL	100 ppm VLCT (restrictive limit); 384 mg/m3 VLCT (restrictive limit)
	TWAs	20 ppm TWA	20 ppm TWAEV	50 ppm TWAEV; 188 mg/m3 TWAEV	50 ppm TWA; 192 mg/m3 TWA	50 ppm VME (restrictive limit); 192 mg/m3 VME (restrictive limit)
Zinc oxide	STELs	10 mg/m3 STEL (respirable fraction)	10 mg/m3 STEV (respirable)	10 mg/m3 STEV (fume)	Not established	Not established
				5 mg/m3 TWAEV (fume); 10 mg/m3		

(1314-13-2)	TWAs	2 mg/m3 TWA (respirable fraction)	2 mg/m3 TWAEV (respirable)	TWAEV (total dust, containing no asbestos and less than 1% crystalline silica)	Not established	5 mg/m3 VME (fume); 10 mg/m3 VME (dust)
Rosin (8050-09-7)	TWAs	Not established	Not established	0.1 mg/m3 TWAEV (as formaldehyde)	Not established	0.1 mg/m3 VME (as Formaldehyde)
Carbon Black (1333-86-4)	TWAs	3.5 mg/m3 TWA	3.5 mg/m3 TWAEV	3.5 mg/m3 TWAEV	Not established	3.5 mg/m3 VME
Heptane (142-82-5)	STELs	500 ppm STEL	500 ppm STEV; 2045 mg/m3 STEV	500 ppm STEV; 2050 mg/m3 STEV	Not established	500 ppm VLCT (restrictive limit); 2085 mg/m3 VLCT (restrictive limit)
	TWAs	400 ppm TWA	400 ppm TWAEV; 1635 mg/m3 TWAEV	400 ppm TWAEV; 1640 mg/m3 TWAEV	Not established	400 ppm VME (restrictive limit); 1668 mg/m3 VME (restrictive limit)
<b>Exposure Limits/Guidelines (Con't.)</b>						
	<b>Result</b>	<b>Germany DFG</b>	<b>Germany TRGS</b>	<b>Italy</b>	<b>NIOSH</b>	<b>OSHA</b>
Propionic acid (79-09-4)	STELs	Not established	Not established	20 ppm STEL; 62 mg/m3 STEL	15 ppm STEL; 45 mg/m3 STEL	Not established
	TWAs	Not established	10 ppm TWA (exposure factor 2); 31 mg/m3 TWA (exposure factor 2)	10 ppm TWA; 31 mg/m3 TWA	10 ppm TWA; 30 mg/m3 TWA	Not established
	Ceilings	20 ppm Peak; 62 mg/m3 Peak	Not established	Not established	Not established	Not established
	MAKs	10 ppm MAK; 31 mg/m3 MAK	Not established	Not established	Not established	Not established
Formaldehyde (50-00-0)	STELs	Not established	Not established	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
	Ceilings	0.6 ppm Peak (no irritation should occur during mixed exposure); 0.74 mg/m3 Peak (no irritation should occur during mixed exposure)	Not established	Not established	0.1 ppm Ceiling (15 min)	Not established
	MAKs	0.3 ppm MAK; 0.37 mg/m3 MAK (no irritation should occur during mixed exposure)	Not established	Not established	Not established	Not established
Calcium silicate (1344-95-2)	TWAs	Not established	Not established	Not established	10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)	15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)
Methylcyclohexane (108-87-2)	TWAs	Not established	200 ppm TWA (exposure factor 2); 810 mg/m3 TWA (exposure factor 2)	Not established	400 ppm TWA; 1600 mg/m3 TWA	500 ppm TWA; 2000 mg/m3 TWA
	Ceilings	400 ppm Peak; 1620 mg/m3 Peak	Not established	Not established	Not established	Not established

	MAKs	200 ppm MAK; 810 mg/m <sup>3</sup> MAK	Not established	Not established	Not established	Not established
Kaolin (1332-58-7)	TWAs	Not established	Not established	Not established	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)
Ethylbenzene (100-41-4)	STELs	Not established	Not established	200 ppm STEL; 884 mg/m <sup>3</sup> STEL	125 ppm STEL; 545 mg/m <sup>3</sup> STEL	Not established
	TWAs	Not established	100 ppm TWA (exposure factor 2); 440 mg/m <sup>3</sup> TWA (exposure factor 2)	100 ppm TWA; 442 mg/m <sup>3</sup> TWA	100 ppm TWA; 435 mg/m <sup>3</sup> TWA	100 ppm TWA; 435 mg/m <sup>3</sup> TWA
Benzene (71-43-2)	TWAs	Not established	Not established	1 ppm TWA; 3.25 mg/m <sup>3</sup> TWA	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
	STELs	Not established	Not established	Not established	1 ppm STEL	5 ppm STEL (see 29 CFR 1910.1028)
Toluene (108-88-3)	TWAs	Not established	50 ppm TWA (exposure factor 4); 190 mg/m <sup>3</sup> TWA (exposure factor 4)	192 ppm TWA; 50 mg/m <sup>3</sup> TWA	100 ppm TWA; 375 mg/m <sup>3</sup> TWA	200 ppm TWA
	Ceilings	200 ppm Peak; 760 mg/m <sup>3</sup> Peak	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
	MAKs	50 ppm MAK; 190 mg/m <sup>3</sup> MAK	Not established	Not established	Not established	Not established
Zinc oxide (1314-13-2)	TWAs	Not established	Not established	Not established	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	1 mg/m <sup>3</sup> Peak (respirable fraction, fume)	Not established	Not established	15 mg/m <sup>3</sup> Ceiling (dust)	Not established
	STELs	Not established	Not established	Not established	10 mg/m <sup>3</sup> STEL (fume)	Not established
	MAKs	1 mg/m <sup>3</sup> MAK (fume, respirable fraction)	Not established	Not established	Not established	Not established
Carbon Black (1333-86-4)	TWAs	Not established	Not established	Not established	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	TWAs	Not established	500 ppm TWA (all isomers, exposure factor 1); 2100 mg/m <sup>3</sup> TWA (all isomers, exposure factor 1)	500 ppm TWA; 2085 mg/m <sup>3</sup> TWA	85 ppm TWA; 350 mg/m <sup>3</sup> TWA	500 ppm TWA; 2000 mg/m <sup>3</sup> TWA

(142-82-5)	Ceilings	500 ppm Peak; 2100 mg/m <sup>3</sup> Peak	Not established	Not established	440 ppm Ceiling (15 min); 1800 mg/m <sup>3</sup> Ceiling (15 min)	Not established
	MAKs	500 ppm MAK; 2100 mg/m <sup>3</sup> MAK	Not established	Not established	Not established	Not established

## Exposure Control Notations

### Italy

•Naphtha (petroleum), hydrotreated light (64742-49-0): **Carcinogens:** (Category 2 Carcinogen) | **Carcinogens:** (Category 3 Carcinogen) | **Carcinogens:** (Category 1 Carcinogen) | **Skin:** (skin - potential for cutaneous absorption) | **Skin:** (skin - potential for cutaneous absorption) | **Skin:** (skin - potential for cutaneous absorption)

### France

•Formaldehyde (50-00-0): **Carcinogens:** (Carcinogen category 3) | **Carcinogens:** (Carcinogen category 1) | **Mutagens:** (Mutagen category 2) | **Reproductive Toxins:** (Reproductive Toxin category 3)

### Germany TRGS

•Ethylbenzene (100-41-4): **Skin:** (skin notation) | **Skin:** (skin notation)

### Germany DFG

•Formaldehyde (50-00-0): **Carcinogens:** (Category 4 (no significant contribution to human cancer)) | **Carcinogens:** (Category 3B (could be carcinogenic for man, inhalable fraction)) | **Carcinogens:** (Category 3A (could be carcinogenic for man)) | **Carcinogens:** (Category 1 (causes cancer in man)) | **Pregnancy:** (classification not yet possible) | **Pregnancy:** (no risk to embryo/fetus if exposure limits adhered to) | **Pregnancy:** (no risk to embryo/fetus if exposure limits adhered to) | **Pregnancy:** (classification not yet possible) | **Pregnancy:** (no risk to embryo/fetus if exposure limits adhered to) | **Sensitizers:** (skin sensitizer) | **Sensitizers:** (skin sensitizer) | **Skin:** (skin notation) | **Skin:** (skin notation) | **Skin:** (skin notation)

## 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

- Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced. In case of insufficient ventilation, wear suitable respiratory equipment.

#### 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

TWAEV = Time-Weighted Average Exposure Value

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

VME = Valeur Moyenne d'Exposition is the maximum permissible concentration for a work day

MSHA = Mine Safety and Health Administration

STEV = Short Term Exposure Value

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

VLCT = Valeurs limites d'exposition à court terme is the short-term exposure limit based on 15-minute exposure.

## 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	200 F(93.3333 C)	Melting Point	Data lacking
Decomposition Temperature	Data lacking	pH	Data lacking
Specific Gravity/Relative Density	0.88 Water=1	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		
Flammability			
Flash Point	15 F(-9.4444 C) TCC (Tagliabue Closed Cup)	UEL	6.7 %
LEL	1.1 %	Autoignition	399 F(203.8889 C)
Flammability (solid, gas)	Flammable Liquid.		
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

- High temperatures, sparks, open flames and live electrical circuits.

### 10.5 Incompatible materials

- Oxidizing agents, strong acids.

### 10.6 Hazardous decomposition products

- In case of fire oxides of carbon, hydrocarbons, fumes or vapors, soot and smoke may be produced.

## Section 11 - Toxicological Information

### 11.1 Information on toxicological effects

Component Name	CAS	Data
Carbon Black (1% TO 5%)	1333-86-4	<b>Acute Toxicity:</b> orl-rat LD50:>15400 mg/kg; skn-rbt LD50:>3 gm/kg; <b>Tumorigen/Carcinogen:</b> ihl-rat TCLo:11600 ug/m3/18H/2Y-I
<b>GHS Properties</b>		<b>Classification</b>
Acute toxicity		EU/CLP • Data lacking OSHA HCS 2012 • Classification criteria not met
Aspiration Hazard		EU/CLP • Aspiration 1 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 • Skin Irritation 2 OSHA HCS 2012 • Skin Irritation 2
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 • Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects OSHA HCS 2012 • Specific Target Organ Toxicity Single Exposure 3: Narcotic Effects
Toxicity for Reproduction		EU/CLP • Classification criteria not met OSHA HCS 2012 • Classification criteria not met
Respiratory sensitization		EU/CLP • Data lacking OSHA HCS 2012 • Classification criteria not met
Serious eye damage/Irritation		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)**

- Material data lacking.

**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)**

- No data available

**Chronic (Delayed)**

- Material data lacking.

**Ingestion****Acute (Immediate)**

- May cause irritation if swallowed.

**Chronic (Delayed)**

- Material data lacking.

**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	OSHA	IARC	NTP
Formaldehyde	50-00-0	Specifically Regulated Carcinogen	Group 1-Carcinogenic	Known Human Carcinogen
Benzene	71-43-2	Specifically Regulated Carcinogen	Group 1-Carcinogenic	Known Human Carcinogen
Ethylbenzene	100-41-4	Not Listed	Group 2B-Possible Carcinogen	Not Listed
Carbon Black	1333-86-4	Not Listed	Group 2B-Possible Carcinogen	Not Listed

## 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. Aquatic toxicity values 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 a flammable liquid	3	II	NDA

IMO/IMDG	UN1133	ADHESIVES containing flammable liquid	3	II	Marine Pollutant
IATA/ICAO	UN1133	Adhesives containing a flammable liquid	3	II	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, Fire

State Right To Know				
Component	CAS	MA	NJ	PA
Naphtha (petroleum), hydrotreated light	64742-49-0	No	No	No
3-Ethylpentane	617-78-7	No	No	No
3-Methylhexane	589-34-4	Yes	Yes	Yes
Hexane, 2-methyl-	591-76-4	Yes	No	Yes
Methylcyclohexane	108-87-2	Yes	Yes	Yes
Heptane	142-82-5	Yes	Yes	Yes
Toluene	108-88-3	Yes	Yes	Yes
Benzene	71-43-2	Yes	Yes	Yes
Ethylbenzene	100-41-4	Yes	Yes	Yes
1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	No	No	No
Zinc oxide	1314-13-2	Yes	Yes	Yes
Propionic acid	79-09-4	Yes	Yes	Yes
Benzanilide, 2',2''-dithiobis-	135-57-9	No	No	No
Kaolin	1332-58-7	Yes	Yes	Yes
Calcium silicate	1344-95-2	Yes	Yes	Yes
Rosin	8050-09-7	No	No	No
Carbon Black	1333-86-4	Yes	Yes	Yes
Sulfur	7704-34-9	Yes	Yes	Yes
Benzothiazole, 2,2'-dithiobis-	120-78-5	No	No	No
White mineral oil	8042-47-5	No	No	No
Guanidine, 1,3-diphenyl-	102-06-7	No	No	No
Polyterpene resin	26813-14-9	No	No	No

Phenolic Acid	NDA	No	No	No
Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	No	No	No
Formaldehyde	50-00-0	Yes	Yes	Yes
Tartac 30	NDA	No	No	No
Pentane, 2,3-dimethyl-	565-59-3	Yes	Yes	Yes

Inventory						
Component	CAS	Canada DSL	Canada NDSL	EU EINECS	EU ELNICS	TSCA
Naphtha (petroleum), hydrotreated light	64742-49-0	Yes	No	Yes	No	Yes
3-Ethylpentane	617-78-7	No	No	Yes	No	No
3-Methylhexane	589-34-4	No	Yes	Yes	No	Yes
Hexane, 2-methyl-	591-76-4	Yes	No	Yes	No	Yes
Methylcyclohexane	108-87-2	Yes	No	Yes	No	Yes
Heptane	142-82-5	Yes	No	Yes	No	Yes
Toluene	108-88-3	Yes	No	Yes	No	Yes
Benzene	71-43-2	Yes	No	Yes	No	Yes
Ethylbenzene	100-41-4	Yes	No	Yes	No	Yes
1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	Yes	No	No	No	Yes
Zinc oxide	1314-13-2	Yes	No	Yes	No	Yes
Propionic acid	79-09-4	Yes	No	Yes	No	Yes
Benzanilide, 2',2''-dithiobis-	135-57-9	Yes	No	Yes	No	Yes
Kaolin	1332-58-7	Yes	No	Yes	No	Yes
Calcium silicate	1344-95-2	Yes	No	Yes	No	Yes
Rosin	8050-09-7	Yes	No	Yes	No	Yes
Carbon Black	1333-86-4	Yes	No	Yes	Yes	Yes
Sulfur	7704-34-9	Yes	No	Yes	No	Yes
Benzothiazole, 2,2'-dithiobis-	120-78-5	Yes	No	Yes	No	Yes
White mineral oil	8042-47-5	Yes	No	Yes	No	Yes
Guanidine, 1,3-diphenyl-	102-06-7	Yes	No	Yes	No	Yes
Polyterpene resin	26813-14-9	Yes	No	No	No	Yes
Phenolic Acid	NDA	No	No	No	No	No
Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Yes	No	Yes	No	Yes
Formaldehyde	50-00-0	Yes	No	Yes	No	Yes
Tartac 30	NDA	No	No	No	No	No
Pentane, 2,3-dimethyl-	565-59-3	No	Yes	Yes	No	Yes

## Canada

## Labor

## Canada - WHMIS - Classifications of Substances

• Calcium silicate	1344-95-2	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
• Polyterpene resin	26813-14-9	Not Listed
• 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
• 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	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.)
• 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
• Zinc oxide as Zinc compounds		Not Listed
• 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

## Canada - WHMIS - Ingredient Disclosure List

• Calcium silicate	1344-95-2	Not Listed
• 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 %
• Polyterpene resin	26813-14-9	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
• 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 %

• Zinc oxide as Zinc compounds		Not Listed
• 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

## Environment

### Canada - CEPA - Priority Substances List

• Calcium silicate	1344-95-2	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
• Polyterpene resin	26813-14-9	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
• 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
• Zinc oxide as Zinc compounds		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

## Europe

### Other

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

• Calcium silicate	1344-95-2	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	Carc.Cat.2; R45 Muta.Cat.2; R46 Xn; R65
• Methylcyclohexane	108-87-2	F; R11 Xi; R38 N; R51 R53 Xn; R65 R67
• 3-Methylhexane	589-34-4	F; R11 Xi; R38 N; R50 R53 Xn; R65 R67
• Hexane, 2-methyl-	591-76-4	F; R11 Xi; R38 N; R50 R53 Xn; R65 R67
• Benzothiazole, 2,2'-dithiobis-	120-78-5	R31 R43 N; R50 R53
• Polyterpene resin	26813-14-9	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

• Formaldehyde	50-00-0	T; R23/24/25 C; R34 Carc.Cat.3; R40 R43
• Carbon Black	1333-86-4	Not Listed
• Ethylbenzene	100-41-4	F; R11 Xn; R20
• Heptane	142-82-5	F; R11 Xi; R38 N; R50 R53 Xn; R65 R67
• Toluene	108-88-3	F; R11 Xi; R38 Xn; R48/20 R65 Repr.Cat.3; R63 R67
• Zinc oxide	1314-13-2	N; R50 R53
• Zinc oxide as Zinc compounds		Not Listed
• Benzene	71-43-2	F; R11 Xi; R36/38 Carc.Cat.1; R45 Muta.Cat.2; R46 T; R48/23/24/25 Xn; R65
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Xi; R38
• Guanidine, 1,3-diphenyl-	102-06-7	Xn; R22 Xi; R36/37/38 N; R51 R53 Repr.Cat.3; R62
• Benzanilide, 2',2''-dithiobis-	135-57-9	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	F; R11 Xi; R38 N; R50 R53 Xn; R65 R67
• 3-Ethylpentane	617-78-7	F; R11 Xi; R38 N; R50 R53 Xn; R65 R67
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Xi; R38 R41 N; R50 R53

#### EU - CLP (1272/2008) - Annex VI - Table 3.2 - Concentration Limits

• Calcium silicate	1344-95-2	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
• Polyterpene resin	26813-14-9	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	25%<=C: C; R34 10%<=C<25%: Xi; R36/37/38
• Rosin	8050-09-7	Not Listed
• Formaldehyde	50-00-0	25%<=C: T; R23/24/25 5%<=C<25%: Xn; R20/21/22 25%<=C: C; R34 5%<=C<25%: Xi; R36/37/38 0.2%<=C: R43
• 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
• Zinc oxide as Zinc compounds		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	2.5%<=C: N; R50-53 0.25%<=C<2.5%: N; R51-53 0.025%<=C<0.25%: R52-53

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

• Calcium silicate	1344-95-2	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	T R:45-46-65 S:53-45
• Methylcyclohexane	108-87-2	F Xn N R:11-38-51/53-65-67 S:(2)-9-16-33-61-62
• 3-Methylhexane	589-34-4	F Xn N R:11-38-65-67-50/53 S:(2)-9-16-29-33-60-61-62
• Hexane, 2-methyl-	591-76-4	F Xn N R:11-38-65-67-50/53 S:(2)-9-16-29-33-60-61-62
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Xi N R:31-43-50/53 S:(2)-36/37-60-61

• Polyterpene resin	26813-14-9	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
• Formaldehyde	50-00-0	T R:23/24/25-34-40-43 S:(1/2)-26-36/37/39-45-51
• Carbon Black	1333-86-4	Not Listed
• Ethylbenzene	100-41-4	F Xn R:11-20 S:(2)-16-24/25-29
• Heptane	142-82-5	F Xn N R:11-38-65-67-50/53 S:(2)-9-16-29-33-60-61-62
• Toluene	108-88-3	F Xn R:11-38-48/20-63-65-67 S:(2)-36/37-46-62
• Zinc oxide	1314-13-2	N R:50/53 S:60-61
• Zinc oxide as Zinc compounds		Not Listed
• Benzene	71-43-2	F T R:45-46-11-36/38-48/23/24/25-65 S:53-45
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	Xi R:38 S:(2)-46
• Guanidine, 1,3-diphenyl-	102-06-7	Xn N R:22-36/37/38-51/53-62 S:(2)-26-36/37/39-61
• Benzanilide, 2',2'''-dithiobis-	135-57-9	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	F Xn N R:11-38-65-67-50/53 S:(2)-9-16-29-33-60-61-62
• 3-Ethylpentane	617-78-7	F Xn N R:11-38-65-67-50/53 S:(2)-9-16-29-33-60-61-62
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Xi N R:38-41-50/53 S:(2)-26-37/39-60-61

**EU - CLP (1272/2008) - Annex VI - Table 3.2 - Notes - Substances and Preparations**

• Calcium silicate	1344-95-2	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	H, P
• Methylcyclohexane	108-87-2	Not Listed
• 3-Methylhexane	589-34-4	C
• Hexane, 2-methyl-	591-76-4	C
• Benzothiazole, 2,2'-dithiobis-	120-78-5	Not Listed
• Polyterpene resin	26813-14-9	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
• Formaldehyde	50-00-0	B, D
• Carbon Black	1333-86-4	Not Listed
• Ethylbenzene	100-41-4	Not Listed
• Heptane	142-82-5	C
• Toluene	108-88-3	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Benzene	71-43-2	E
• 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	C
• 3-Ethylpentane	617-78-7	C
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed

**EU - CLP (1272/2008) - Annex VI - Table 3.2 - Safety Phrases**

• Calcium silicate	1344-95-2	Not Listed
• Naphtha (petroleum), hydrotreated light	64742-49-0	S:53-45
• Methylcyclohexane	108-87-2	S:(2)-9-16-33-61-62
• 3-Methylhexane	589-34-4	S:(2)-9-16-29-33-60-61-62

• Hexane, 2-methyl-	591-76-4	S:(2)-9-16-29-33-60-61-62
• Benzothiazole, 2,2'-dithiobis-	120-78-5	S:(2)-36/37-60-61
• Polyterpene resin	26813-14-9	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
• Formaldehyde	50-00-0	S:(1/2)-26-36/37/39-45-51
• Carbon Black	1333-86-4	Not Listed
• Ethylbenzene	100-41-4	S:(2)-16-24/25-29
• Heptane	142-82-5	S:(2)-9-16-29-33-60-61-62
• Toluene	108-88-3	S:(2)-36/37-46-62
• Zinc oxide	1314-13-2	S:60-61
• Zinc oxide as Zinc compounds		Not Listed
• Benzene	71-43-2	S:53-45
• White mineral oil	8042-47-5	Not Listed
• Sulfur	7704-34-9	S:(2)-46
• Guanidine, 1,3-diphenyl-	102-06-7	S:(2)-26-36/37/39-61
• Benzanilide, 2',2'''-dithiobis-	135-57-9	Not Listed
• Pentane, 2,3-dimethyl-	565-59-3	S:(2)-9-16-29-33-60-61-62
• 3-Ethylpentane	617-78-7	S:(2)-9-16-29-33-60-61-62
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	S:(2)-26-37/39-60-61

## United States

### Labor

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

• Calcium silicate	1344-95-2	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
• Polyterpene resin	26813-14-9	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
• 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
• Zinc oxide as Zinc compounds		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

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

• Calcium silicate	1344-95-2	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
• Polyterpene resin	26813-14-9	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
• 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
• Zinc oxide as Zinc compounds		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

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

• Calcium silicate	1344-95-2	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
• Polyterpene resin	26813-14-9	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
• 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
• Zinc oxide as Zinc compounds		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

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

• Calcium silicate	1344-95-2	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
• Polyterpene resin	26813-14-9	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
• 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
• Zinc oxide as Zinc compounds		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

#### U.S. - CERCLA/SARA - Radionuclides and Their Reportable Quantities

• Calcium silicate	1344-95-2	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
• Polyterpene resin	26813-14-9	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

• 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
• Zinc oxide as Zinc compounds		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

**U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances EPCRA RQs**

• Calcium silicate	1344-95-2	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
• Polyterpene resin	26813-14-9	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
• 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
• Zinc oxide as Zinc compounds		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

**U.S. - CERCLA/SARA - Section 302 Extremely Hazardous Substances TPQs**

• Calcium silicate	1344-95-2	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
• Polyterpene resin	26813-14-9	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
• 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
• Zinc oxide as Zinc compounds		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

**U.S. - CERCLA/SARA - Section 313 - Emission Reporting**

• Calcium silicate	1344-95-2	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
• Polyterpene resin	26813-14-9	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
• 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
• Zinc oxide as Zinc compounds		1.0 % de minimis concentration (Chemical Category N982)
• 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

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

• Calcium silicate	1344-95-2	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

• Polyterpene resin	26813-14-9	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
• 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
• Zinc oxide as Zinc compounds		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
• Benzaniilide, 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

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

• Calcium silicate	1344-95-2	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
• Polyterpene resin	26813-14-9	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
• 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
• Zinc oxide as Zinc compounds		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
• Benzaniilide, 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

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

• Calcium silicate	1344-95-2	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
• Polyterpene resin	26813-14-9	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
• 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
• Zinc oxide as Zinc compounds		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

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

• Calcium silicate	1344-95-2	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
• Polyterpene resin	26813-14-9	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
• 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
• Zinc oxide as Zinc compounds		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

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

• Calcium silicate	1344-95-2	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
• Polyterpene resin	26813-14-9	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
• 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
• Zinc oxide as Zinc compounds		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

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

• Calcium silicate	1344-95-2	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
• Polyterpene resin	26813-14-9	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
• 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
• Zinc oxide as Zinc compounds		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

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

- Calcium silicate 1344-95-2 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
- Polyterpene resin 26813-14-9 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
- 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
- Zinc oxide as Zinc compounds 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

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

- Calcium silicate 1344-95-2 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
- Polyterpene resin 26813-14-9 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
- 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
- Zinc oxide as Zinc compounds 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

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

• Calcium silicate	1344-95-2	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
• Polyterpene resin	26813-14-9	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
• 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
• Zinc oxide as Zinc compounds		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

### United States - California

#### Environment

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

• Calcium silicate	1344-95-2	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
• Polyterpene resin	26813-14-9	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
• 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
• Zinc oxide as Zinc compounds		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

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

• Calcium silicate	1344-95-2	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
• Polyterpene resin	26813-14-9	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
• 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
• Zinc oxide as Zinc compounds		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

#### U.S. - California - Proposition 65 - Maximum Allowable Dose Levels (MADL)

• Calcium silicate	1344-95-2	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
• Polyterpene resin	26813-14-9	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
• 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
• Zinc oxide as Zinc compounds		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

**U.S. - California - Proposition 65 - No Significant Risk Levels (NSRL)**

• Calcium silicate	1344-95-2	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
• Polyterpene resin	26813-14-9	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
• 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
• Zinc oxide as Zinc compounds		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

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

• Calcium silicate	1344-95-2	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
• Polyterpene resin	26813-14-9	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

• 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
• Zinc oxide as Zinc compounds		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

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

• Calcium silicate	1344-95-2	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
• Polyterpene resin	26813-14-9	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
• 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
• Zinc oxide as Zinc compounds		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

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

• Calcium silicate	1344-95-2	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

• Polyterpene resin	26813-14-9	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
• 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)
• Zinc oxide as Zinc compounds		
• 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

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

• Calcium silicate	1344-95-2	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
• Polyterpene resin	26813-14-9	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
• 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
• Zinc oxide as Zinc compounds		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

#### United States - Rhode Island

##### Labor

##### U.S. - Rhode Island - Hazardous Substance List

• Calcium silicate	1344-95-2	Toxic
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• 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
• Polyterpene resin	26813-14-9	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	Not Listed
• Kaolin	1332-58-7	Toxic
• Propionic acid	79-09-4	Toxic; Flammable
• Rosin	8050-09-7	Not Listed
• 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
• Zinc oxide as Zinc compounds		Not Listed
• 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

## 15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.

## Section 16 - Other Information

### Relevant Phrases (code & full text)

- H225 - Highly flammable liquid and vapour
- H302 - Harmful if swallowed
- H304 - May be fatal if swallowed and enters airways
- H315 - Causes skin irritation
- H317 - May cause an allergic skin reaction
- H318 - Causes serious eye damage
- H319 - Causes serious eye irritation
- H335 - May cause respiratory irritation
- H336 - May cause drowsiness or dizziness
- H361f - Suspected of damaging fertility.
- H411 - Toxic to aquatic life with long lasting effects
- H400 - Very toxic to aquatic life
- H410 - Very toxic to aquatic life with long lasting effects
- EUH031 - Contact with acids liberates toxic gas.
- R11 - Highly flammable.
- R22 - Harmful if swallowed.
- R31 - Contact with acids liberates toxic gas.
- R36/37/38 - Irritating to eyes, respiratory system and skin.
- R38 - Irritating to skin.
- R41 - Risk of serious damage to eyes.
- R43 - May cause sensitisation by skin contact.
- R50 - Very toxic to aquatic organisms.
- R51 - Toxic to aquatic organisms.
- R53 - May cause long-term adverse effects in the aquatic environment.

R62 - Possible risk of impaired fertility.  
R65 - Harmful: may cause lung damage if swallowed.  
R67 - Vapours may cause drowsiness and dizziness.

**Last Revision Date**

- 04/September/2013

**Preparation Date**

- 04/September/2013

**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.

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