

## Safety Data Sheet

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

**Product Name** • TASC or TAT Gum  
**Product Code** • 98-530

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

**Relevant identified use(s)** • Tire retread and repair

**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 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** • Skin Sensitization 1 - H317  
Hazardous to the aquatic environment Chronic 2 - H411

**DSD/DPD** • Irritant (Xi)  
Dangerous to the Environment (N)  
R43, R51, R53

**2.2 Label Elements**

CLP

**WARNING**

- Hazard statements** ● H317 - May cause an allergic skin reaction  
H411 - Toxic to aquatic life with long lasting effects

**Precautionary statements**

- Prevention** ● P261 - Avoid breathing dust, fume, gas, mist, vapours and/or spray.  
P272 - Contaminated work clothing should not be allowed out of the workplace.  
P273 - Avoid release to the environment.  
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- Response** ● P302+P352 - IF ON SKIN: Wash with plenty of soap and water.  
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.  
P321 - Specific treatment, see supplemental first aid information.  
P363 - Wash contaminated clothing before reuse.  
P391 - Collect spillage.
- Storage/Disposal** ● P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

**DSD/DPD**



- Risk phrases** ● R43 - May cause sensitisation by skin contact.  
R51 - Toxic to aquatic organisms.  
R53 - May cause long-term adverse effects in the aquatic environment.
- Safety phrases** ● S24 - Avoid contact with skin.  
S37 - Wear suitable gloves.  
S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).  
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 ● Skin Sensitization 1 - H317

**2.2 Label elements**

OSHA HCS 2012

**WARNING**



- Hazard statements** ● May cause an allergic skin reaction - H317

**Precautionary statements**

- Prevention** ● Avoid breathing dust, fume, gas, mist, vapours and/or spray. - P261  
Contaminated work clothing should not be allowed out of the workplace. - P272  
Wear protective gloves/protective clothing/eye protection/face protection. - P280
- Response** ● IF ON SKIN: Wash with plenty of soap and water. - P302+P352  
If skin irritation or rash occurs: Get medical advice/attention. - P333+P313  
Specific treatment, see supplemental first aid information. - P321  
Wash contaminated clothing before reuse. - P363

- Storage/Disposal** • 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

- Other Toxic Effects - D2B

## 2.2 Label elements

### WHMIS



- Other Toxic Effects - D2B

## 2.3 Other hazards

### WHMIS

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

## 2.4 Other information

### NFPA



See Section 12 for Ecological Information.

## 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
Carbon Black	CAS:1333-86-4 EC Number:215-609-9	21.43% TO 21.87%	Ingestion/Oral- Rat LD50 • >15400 mg/kg Skin-Rabbit LD50 • >3 g/kg	EU DSD/DPD: Not classified - Classification criteria not met EU CLP: Not Classified - Classification criteria not met OSHA HCS 2012: Carc. 2	Will not be released in final product.
	CAS:64742-			EU DSD/DPD: Annex I - Carc. Cat. 2; R45 Xi; R36/38	

Naphthenic Oil	52-5 <b>EC Number:</b> 265-155-0	8.28% TO 14.074%	NDA	<b>EU CLP:</b> Annex VI - Carc. 1B, H350; Skin Irrit. 2, H315; Eye Irrit. 2, H319 <b>OSHA HCS 2012:</b> Skin Irrit. 2; Eye Irrit. 2A	Contains less than 3% DMSO
Stearic acid	<b>CAS:</b> 57-11-4 <b>EC Number:</b> 200-313-4	1% TO 5%	Skin-Rabbit LD50 • >5 g/kg Ingestion/Oral-Rat LD50 • 4600 mg/kg	<b>EU DSD/DPD:</b> Self Classified - Xi R38 <b>EU CLP:</b> Self Classified - Skin Irrit. 2, H315 <b>OSHA HCS 2012:</b> Skin Irrit. 2	NDA
Santoflex 13 /6PPD	NDA	1% TO 5%	NDA	<b>EU DSD/DPD:</b> Self Classified - Xi, R43, R37 <b>EU CLP:</b> Self Classified - Skin Sens. 1, H317; STOT SE 3: Resp. Irrit., H335 <b>OSHA HCS 2012:</b> Skin Sens. 1; STOT SE 3: Resp. Irrit.; Eye Irrit. 2B	NDA
Zinc oxide	<b>CAS:</b> 1314-13-2 <b>EC Number:</b> 215-222-5	3.94% TO 3.98%	NDA	<b>EU DSD/DPD:</b> Annex I - N; R50-53 <b>EU CLP:</b> Annex VI - Aquatic Acute 1, H400; Aquatic Chronic 1, H410 <b>OSHA HCS 2012:</b> Not Classified - Classification criteria not met	NDA
Mineral oil, petroleum distillates, solvent-refined (severe) heavy paraffinic	<b>CAS:</b> 64741-88-4 <b>EC Number:</b> 265-090-8	1.135% TO 2.27%	NDA	<b>EU DSD/DPD:</b> Carcinogen 2 (Carc.Cat.2); R45 <b>EU CLP:</b> Annex VI - Carc. 1B, H350 <b>OSHA HCS 2012:</b> Data Lacking	NDA
Resorcinol Homopolymer	<b>CAS:</b> 65876-95-1	1.065% TO 1.207%	NDA	<b>EU DSD/DPD:</b> Data Lacking <b>EU CLP:</b> Data Lacking <b>OSHA HCS 2012:</b> Data Lacking	NDA
Mineral oil, petroleum distillates, solvent-refined (severe) light paraffinic	<b>CAS:</b> 64741-89-5 <b>EC Number:</b> 265-091-3	0% TO 1.135%	Ingestion/Oral-Rat LD50 • >15 g/kg Skin-Rabbit LD50 • >5 g/kg	<b>EU DSD/DPD:</b> Annex I - Carc. Cat. 2; R45 <b>EU CLP:</b> Annex VI - Carc. 1B, H350 <b>OSHA HCS 2012:</b> Data Lacking	NDA
Sulfur	<b>CAS:</b> 7704-34-9 <b>EC Number:</b> 231-722-6	0.1% TO 1%	NDA	<b>EU DSD/DPD:</b> Annex I - Xi; R38 <b>EU CLP:</b> Annex VI - Skin Irrit. 2, H315 <b>OSHA HCS 2012:</b> Eye Irrit. 2; STOT SE 3: Resp. Irrit.	NDA
Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	<b>CAS:</b> 64742-52-5 <b>EC Number:</b> 265-155-0	0.1% TO 1%	NDA	<b>EU DSD/DPD:</b> Annex I - Carc. 2, R45 <b>EU CLP:</b> Annex VI - Carc. 1B, H350 <b>OSHA HCS 2012:</b> Skin Irrit. 2	NDA
2-Benzothiazolesulfenamide, N-tert-butyl-	<b>CAS:</b> 95-31-8 <b>EINECS:</b> 202-409-1	0.39% TO 0.65%	Skin-Rabbit LD50 • >7940 mg/kg Ingestion/Oral-Rat LD50 • >6000 mg/kg	<b>EU DSD/DPD:</b> Self Classified - Xi, R43, R36/37/38; Xn, R48/22 <b>EU CLP:</b> Self Classified - Skin Sens. 1, H317; STOT RE 2 (Blood, Liver, Kidney), H373; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3: Resp. Irrit., H335 <b>OSHA HCS 2012:</b> Skin Sens. 1; STOT RE 2 (Blood, Liver, Kidney); Skin Irrit. 2; Eye Irrit. 2A; STOT SE 3: Resp. Irrit.	NDA

Resorcinol	CAS:108-46-3 EC Number:203-585-2	< 0.284%	Ingestion/Oral-Rat LD50 • 301 mg/kg Skin-Rabbit LD50 • 3360 mg/kg	EU DSD/DPD: Annex I - Xn; R22 Xi; R36/38 N; R50 EU CLP: Annex VI - Acute Tox. 4, H302; Eye Irrit., H319; Skin Irrit. 2, H315; Aquatic Acute 1, H400 OSHA HCS 2012: Acute Tox. 4 (Oral); Eye Irrit. 2A; Skin Irrit. 2; STOT SE 3: Resp. Irrit.	NDA
2,2'-Dibenzamido diphenyl disulfite	CAS:135-57-9 EINECS:205-201-9	0.1% TO 0.12%	Ingestion/Oral-Rat LD50 • >4 g/kg	EU DSD/DPD: Self Classified - Xi; R43 EU CLP: Self Classified - Skin Sens. 1, H317 OSHA HCS 2012: Skin Sens. 1	NDA
Propionic acid	CAS:79-09-4 EC Number:201-176-3	0.004% TO 0.0199%	Ingestion/Oral-Rat LD50 • 2600 mg/kg Skin-Rabbit LD50 • 500 µL/kg	EU DSD/DPD: Annex I - C; R34 EU CLP: Annex VI - Skin Corr. 1B, H314 OSHA HCS 2012: Eye Dam. 1; Skin Corr. 1B; Acute Tox. 4 (orl)	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. Get medical attention if symptoms occur.

#### Eye

- In case of contact with substance, immediately flush eyes with running water for at least 20 minutes.

#### Ingestion

- First aid is not expected to be necessary if material is used under ordinary conditions and as recommended.

### 4.2 Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

### 4.3 Indication of any immediate medical attention and special treatment needed

#### Notes to Physician

- All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

## Section 5 - Firefighting Measures

### 5.1 Extinguishing media

#### Suitable Extinguishing Media

- LARGE FIRE: Water spray, fog or regular foam.  
SMALL FIRES: Dry chemical, CO<sub>2</sub>, water spray or regular foam.

#### Unsuitable Extinguishing Media

- No data available.

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

#### Unusual Fire and Explosion Hazards

- Non-combustible, substance itself does not burn but may decompose upon heating to produce corrosive and/or toxic fumes.

#### Hazardous Combustion Products

- No data available.

### 5.3 Advice for firefighters

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

## Section 6 - Accidental Release Measures

### 6.1 Personal precautions, protective equipment and emergency procedures

#### Personal Precautions

- Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid any skin contact.

#### Emergency Procedures

- No emergency procedures are expected to be necessary if material is used under ordinary conditions as as recommended.

### 6.2 Environmental precautions

- Avoid run off to waterways and sewers.

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

#### Containment/Clean-up Measures

- Pick up pieces and place in container or bag for disposal.  
For spills of molten product - allow product to cool/solidify and pick or scrape up as a solid.

### 6.4 Reference to other sections

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

## Section 7 - Handling and Storage

### 7.1 Precautions for safe handling

#### Handling

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

### 7.2 Conditions for safe storage, including any incompatibilities

#### Storage

- Ventilate enclosed areas.

### 7.3 Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

## Section 8 - Exposure Controls/Personal Protection

### 8.1 Control parameters

Exposure Limits/Guidelines						
	Result	ACGIH	Canada Ontario	Canada Quebec	Europe	France
Propionic acid (79-09-4)	TWAs	10 ppm TWA	10 ppm TWA	10 ppm TWAEV; 30 mg/m <sup>3</sup> TWAEV	Not established	10 ppm TWA [VME] (indicative limit); 31 mg/m <sup>3</sup> TWA [VME] (indicative limit)
	STELs	Not established	Not established	Not established	Not established	20 ppm STEL [VLCT] (indicative limit); 62 mg/m <sup>3</sup> STEL [VLCT] (indicative limit)
Formaldehyde (50-00-0)	Ceilings	0.3 ppm Ceiling	1.5 ppm Ceiling	2 ppm Ceiling; 3 mg/m <sup>3</sup> Ceiling	Not established	Not established
	STELs	Not established	1.0 ppm STEL	Not established	Not established	1 ppm STEL [VLCT]

	TWAs	Not established	Not established	Not established	Not established	0.5 ppm TWA [VME]
Kaolin (1332-58-7)	TWAs	2 mg/m3 TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction)	2 mg/m3 TWA (containing no Asbestos and <1% Crystalline silica, respirable)	5 mg/m3 TWAEV (containing no Asbestos and <1% Crystalline silica, respirable dust)	Not established	10 mg/m3 TWA [VME]
Calcium silicate (1344-95-2)	TWAs	10 mg/m3 TWA (synthetic nonfibrous, particulate matter containing no asbestos and <1% crystalline silica)	10 mg/m3 TWA (synthetic nonfibrous, containing no Asbestos and <1% Crystalline silica)	10 mg/m3 TWAEV (synthetic, containing no Asbestos and <1% Crystalline silica, total dust)	Not established	Not established
Resorcinol (108-46-3)	TWAs	10 ppm TWA	10 ppm TWA	10 ppm TWAEV; 45 mg/m3 TWAEV	10 ppm TWA; 45 mg/m3 TWA	10 ppm TWA [VME] (indicative limit); 45 mg/m3 TWA [VME] (indicative limit)
	STELs	20 ppm STEL	20 ppm STEL	20 ppm STEV; 90 mg/m3 STEV	Not established	Not established
Zinc oxide (1314-13-2)	STELs	10 mg/m3 STEL (respirable fraction)	10 mg/m3 STEL (respirable)	10 mg/m3 STEV (fume)	Not established	Not established
	TWAs	2 mg/m3 TWA (respirable fraction)	2 mg/m3 TWA (respirable)	10 mg/m3 TWAEV (containing no Asbestos and <1% Crystalline silica, total dust); 5 mg/m3 TWAEV (fume)	Not established	5 mg/m3 TWA [VME] (fume); 10 mg/m3 TWA [VME] (dust)
Amorphous silica (112926-00-8)	TWAs	Not established	10 mg/m3 TWA	6 mg/m3 TWAEV (containing no Asbestos and <1% Crystalline silica, respirable dust)	Not established	Not established
Carbon Black (1333-86-4)	TWAs	3 mg/m3 TWA (inhalable fraction)	3.5 mg/m3 TWA	3.5 mg/m3 TWAEV	Not established	3.5 mg/m3 TWA [VME]

#### Exposure Limits/Guidelines (Con't.)

	Result	Germany DFG	Germany TRGS	Italy	NIOSH	OSHA
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 AGW (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed, exposure factor 2); 31 mg/m3 TWA AGW (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed, exposure factor 2)	10 ppm TWA; 31 mg/m3 TWA	10 ppm TWA; 30 mg/m3 TWA	Not established

	Ceilings	20 ppm Peak; 62 mg/m <sup>3</sup> Peak	Not established	Not established	Not established	Not established
	MAKs	10 ppm TWA MAK; 31 mg/m <sup>3</sup> TWA 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/m <sup>3</sup> Peak (no irritation should occur during mixed exposure)	Not established	Not established	0.1 ppm Ceiling (15 min)	Not established
	MAKs	0.3 ppm TWA MAK; 0.37 mg/m <sup>3</sup> TWA MAK (no irritation should occur during mixed exposure)	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)
Calcium silicate (1344-95-2)	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)
Resorcinol (108-46-3)	TWAs	Not established	4 ppm TWA AGW (inhalable fraction, exposure factor 1); 20 mg/m <sup>3</sup> TWA AGW (inhalable fraction, exposure factor 1)	10 ppm TWA; 45 mg/m <sup>3</sup> TWA	10 ppm TWA; 45 mg/m <sup>3</sup> TWA	Not established
	STELs	Not established	Not established	Not established	20 ppm STEL; 90 mg/m <sup>3</sup> STEL	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> TWA 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



## Exposure Control Notations

### Italy

•Formaldehyde (50-00-0): **Carcinogens:** (Category 3 Carcinogen) | **Carcinogens:** (Category 2 Carcinogen) | **Carcinogens:** (Category 2 Carcinogen) | **Carcinogens:** (Category 2 Carcinogen) | **Carcinogens:** (Category 2 Carcinogen) | **Skin:** (skin - potential for cutaneous absorption)

### France

•Formaldehyde (50-00-0): **Carcinogens:** (Carcinogen category 3)

### Germany TRGS

•p-Phenylenediamine, N-phenyl- (101-54-2): **Sensitizers:** (Skin sensitizer (May cause sensitization by skin contact; May cause an allergic skin reaction, listed under Substances or substance groups with sufficient scientific evidence showing sensitizing effects)) | **Skin:** (skin notation)

### Germany DFG

•Kaolin (1332-58-7): **Carcinogens:** (Category 3B (could be carcinogenic for man)) | **Carcinogens:** (Category 4 (no significant contribution to human cancer)) | **Carcinogens:** (Category 3B (could be carcinogenic for man, inhalable fraction)) | **Pregnancy:** (no risk to embryo/fetus if exposure limits adhered to) | **Pregnancy:** (no risk to embryo/fetus if exposure limits adhered to) | **Sensitizers:** (skin sensitizer) | **Sensitizers:** (skin sensitizer)

## 8.2 Exposure controls

### Engineering Measures/Controls

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

### Personal Protective Equipment

#### Respiratory

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

#### Eye/Face

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

#### Skin/Body

- Wear appropriate gloves.

### General Industrial Hygiene Considerations

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

### Environmental Exposure Controls

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

### Key to abbreviations

ACGIH = American Conference of Governmental Industrial Hygiene

NIOSH = National Institute of Occupational Safety and Health

OSHA = Occupational Safety and Health Administration

MAK = Maximale Arbeitsplatz Konzentration is the maximum permissible concentration

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

TWAEV = Time-Weighted Average Exposure Value

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

## Section 9 - Physical and Chemical Properties

### 9.1 Information on Physical and Chemical Properties

Material Description			
Physical Form	Solid	Appearance/Description	Black solid rubber with characteristic rubber odor.
Color	Black	Odor	Rubber
Odor Threshold	Data lacking		
General Properties			
Boiling Point	Data lacking	Melting Point	Data lacking
Decomposition Temperature	Data lacking	pH	Data lacking
Specific Gravity/Relative Density	1.1 to 1.16 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	Data lacking		
<b>Flammability</b>			
Flash Point	Data lacking	UEL	Data lacking
LEL	Data lacking	Autoignition	Data lacking
Flammability (solid, gas)	Data lacking		
<b>Environmental</b>			
Octanol/Water Partition coefficient	Data lacking		

## 9.2 Other Information

- No additional physical and chemical parameters noted.

## Section 10: Stability and Reactivity

### 10.1 Reactivity

- No dangerous reaction known under conditions of normal use.

### 10.2 Chemical stability

- Stable

### 10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

### 10.4 Conditions to avoid

- No data available.

### 10.5 Incompatible materials

- None known.

### 10.6 Hazardous decomposition products

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

## Section 11 - Toxicological Information

### 11.1 Information on toxicological effects

Component Name	CAS	Data
Carbon Black (21.43% TO 21.87%)	1333-86-4	<b>Acute Toxicity:</b> orl-rat LD50:>15400 mg/kg; <b>Tumorigen/Carcinogen:</b> ihl-rat TCLo:11600 ug/m3/18H/2Y-I
Naphthenic Oil (8.28% TO 14.074%)	64742-52-5	<b>Irritation:</b> skn-rbt 500 mg SEV
Zinc oxide (3.94% TO 3.98%)	1314-13-2	<b>Irritation:</b> eye-rbt 500 mg/24H MLD; skn-rbt 500 mg/24H MLD; <b>Reproductive:</b> orl-rat TDLo:6846 mg/kg (1-22D preg)
2,2'-Dibenzamido diphenyl disulfite (0.1% TO 0.12%)	135-57-9	<b>Acute Toxicity:</b> orl-rat LD50:>4 gm/kg; <b>Irritation:</b> eye-rbt 500 mg/24H MLD
Kaolin (0.08% TO 0.1%)	1332-58-7	<b>Reproductive:</b> orl-rat TDLo:370 gm/kg (37D pre/1-22D preg)
Propionic acid (0.004% TO 0.0199%)	79-09-4	<b>Acute Toxicity:</b> orl-rat LD50:2600 mg/kg; skn-rbt LD50:500 uL/kg; <b>Irritation:</b> eye-rbt 990 ug SEV; skn-rbt 495 mg open SEV
Stearic acid (1% TO 5%)	57-11-4	<b>Acute Toxicity:</b> orl-rat LD50:4600 mg/kg; skn-rbt LD50:>5 gm/kg; <b>Irritation:</b> skn-rbt 500 mg/24H MOD

Resorcinol (< 0.284%)	108-46-3	<b>Acute Toxicity:</b> orl-rat LD50:301 mg/kg; skn-rbt LDLo:3360 mg/kg; <b>Irritation:</b> skn-rbt 20 mg/24H MOD
Mineral oil, petroleum distillates, solvent-refined (severe) light paraffinic (0% TO 1.135%)	64741-89-5	<b>Acute Toxicity:</b> orl-rat LD50:>15 gm/kg; skn-rbt LD50:>5 gm/kg
2-Benzothiazolesulfenamide, N-tert-butyl- (0.39% TO 0.65%)	95-31-8	<b>Acute Toxicity:</b> orl-rat LD50:>6000 mg/kg; skn-rbt LD50:>7940 mg/kg

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

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

## Potential Health Effects

### Inhalation

#### Acute (Immediate)

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

#### Chronic (Delayed)

- Long term exposure to concentrated hot processing fumes has caused lung function loss and chronic bronchitis.

### Skin

#### Acute (Immediate)

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

#### Chronic (Delayed)

- No data available.

### Eye

#### Acute (Immediate)

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

#### Chronic (Delayed)

- No data available.

### Ingestion

- Acute (Immediate)**
- Under normal conditions of use, no health effects are expected.
- Chronic (Delayed)**
- No data available.
- Carcinogenic Effects**
- The CB4REACH Consortium has concluded that carbon black is classified as not carcinogenic. This classification is currently under review. 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
Carbon Black	1333-86-4	Not Listed	Group 2B-Possible Carcinogen	Not Listed

**Key to abbreviations**

LD = Lethal Dose	SEV = Severe
MLD = Mild	TC = Toxic Concentration
MOD = Moderate	TD = Toxic Dose

## Section 12 - Ecological Information

### 12.1 Toxicity

TASC or TAT Gum					
Dosage	Species	Duration	Results	Exposure Conditions	Comments
= 1 mg/L	Crustacea: Daphnia Magna	48 Hour(s)	EC50	NDA	Data for Zinc oxide
= 0.04 mg/L	Crustacea: Daphnia Magna	48 Hour(s)	NOEC	NDA	Data for Zinc oxide

### 12.2 Persistence and degradability

- Material data lacking.

### 12.3 Bioaccumulative potential

- Material data lacking.

### 12.4 Mobility in Soil

- Material data lacking.

### 12.5 Results of PBT and vPvB assessment

- No PBT and vPvB assessment has been conducted.

### 12.6 Other adverse effects

- Toxic to aquatic life with long lasting effects.

## Section 13 - Disposal Considerations

### 13.1 Waste treatment methods

**Product waste**

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

**Packaging waste**

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

## Section 14 - Transport Information

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

14.6 Special precautions for user ● None known.

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

## Section 15 - Regulatory Information

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

SARA Hazard Classifications ● Acute

State Right To Know				
Component	CAS	MA	NJ	PA
1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	No	No	No
Carbon Black	1333-86-4	Yes	Yes	Yes
Naphthenic Oil	64742-52-5	No	No	No
Zinc oxide	1314-13-2	Yes	Yes Yes	Yes Yes
2,2'-Dibenzamido diphenyl disulfite	135-57-9	No	No	No
Kaolin	1332-58-7	Yes	Yes	Yes
Propionic acid	79-09-4	Yes	Yes	Yes
Calcium silicate	1344-95-2	Yes	Yes	Yes
Sulfur	7704-34-9	Yes	Yes	Yes
Amorphous silica	112926-00-8	Yes	Yes	Yes
Stearic acid	57-11-4	No	No	No
Resorcinol	108-46-3	Yes	Yes	Yes
Formaldehyde	50-00-0	Yes	Yes	Yes
Resorcinol Homopolymer	65876-95-1	No	No	No
Santoflex 13 /6PPD	NDA	No	No	No
p-Phenylenediamine, N-(1,3-dimethylbutyl)-N'-phenyl-	793-24-8	No	No	No
p-Phenylenediamine, N-phenyl-	101-54-2	No	No	No

Mineral oil, petroleum distillates, solvent-refined (severe) heavy paraffinic	64741-88-4	No	No	No
Mineral oil, petroleum distillates, solvent-refined (severe) light paraffinic	64741-89-5	Yes	No	No
Sulfur homopolymer	9035-99-8	No	No	No
Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	No	No	No
2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	No	No	No

Inventory						
Component	CAS	Canada DSL	Canada NDSL	EU EINECS	EU ELNICS	TSCA
1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	Yes	No	No	No	Yes
Carbon Black	1333-86-4	Yes	No	Yes	Yes	Yes
Naphthenic Oil	64742-52-5	Yes	No	Yes	No	Yes
Zinc oxide	1314-13-2	Yes	No	Yes	No	Yes
2,2'-Dibenzamido diphenyl disulfite	135-57-9	Yes	No	Yes	No	Yes
Kaolin	1332-58-7	Yes	No	Yes	No	Yes
Propionic acid	79-09-4	Yes	No	Yes	No	Yes
Calcium silicate	1344-95-2	Yes	No	Yes	No	Yes
Sulfur	7704-34-9	Yes	No	Yes	No	Yes
Amorphous silica	112926-00-8	Yes	No	No	No	No
Stearic acid	57-11-4	Yes	No	Yes	No	Yes
Resorcinol	108-46-3	Yes	No	Yes	No	Yes
Formaldehyde	50-00-0	Yes	No	Yes	No	Yes
Resorcinol Homopolymer	65876-95-1	Yes	No	No	No	Yes
Santoflex 13 /6PPD	NDA	No	No	No	No	No
p-Phenylenediamine, N-(1,3-dimethylbutyl)-N'-phenyl-	793-24-8	Yes	No	Yes	No	Yes
p-Phenylenediamine, N-phenyl-	101-54-2	Yes	No	Yes	No	Yes
Mineral oil, petroleum distillates, solvent-refined (severe) heavy paraffinic	64741-88-4	Yes	No	Yes	No	Yes
Mineral oil, petroleum distillates, solvent-refined (severe)	64741-89-5	Yes	No	Yes	No	Yes

light paraffinic						
Sulfur homopolymer	9035-99-8	Yes	No	No	No	Yes
Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Yes	No	Yes	No	Yes
2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Yes	No	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
• Resorcinol	108-46-3	D1B, D2B
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	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)
• Naphthenic Oil	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• 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 Division website.)
• Zinc oxide	1314-13-2	Uncontrolled product according to WHMIS classification criteria
• Zinc oxide as Zinc compounds		Not Listed
• Amorphous silica	112926-00-8	Not Listed
• Sulfur	7704-34-9	B4
• p-Phenylenediamine, N-phenyl-	101-54-2	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• p-Phenylenediamine, N-(1,3-dimethylbutyl)-N'-phenyl-	793-24-8	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed
• Mineral oil, petroleum distillates, solvent-refined (severe) heavy paraffinic	64741-88-4	Not Listed
• Mineral oil, petroleum distillates, solvent-refined (severe) light paraffinic	64741-89-5	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed
• Resorcinol Homopolymer	65876-95-1	Not Listed

#### Canada - WHMIS - Ingredient Disclosure List

• Calcium silicate	1344-95-2	Not Listed
• Stearic acid	57-11-4	1 %
• Resorcinol	108-46-3	1 %
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	Not Listed
• Kaolin	1332-58-7	Not Listed

• Propionic acid	79-09-4	1 %
• Formaldehyde	50-00-0	0.1 %
• Naphthenic Oil	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Carbon Black	1333-86-4	1 %
• Zinc oxide	1314-13-2	1 %
• Zinc oxide as Zinc compounds		Not Listed
• Amorphous silica	112926-00-8	Not Listed
• Sulfur	7704-34-9	Not Listed
• p-Phenylenediamine, N-phenyl-	101-54-2	0.1 %
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• p-Phenylenediamine, N-(1,3-dimethylbutyl)-N'-phenyl-	793-24-8	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed
• Mineral oil, petroleum distillates, solvent-refined (severe) heavy paraffinic	64741-88-4	Not Listed
• Mineral oil, petroleum distillates, solvent-refined (severe) light paraffinic	64741-89-5	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed
• Resorcinol Homopolymer	65876-95-1	Not Listed

## Environment

### Canada - CEPA - Priority Substances List

• Calcium silicate	1344-95-2	Not Listed
• Stearic acid	57-11-4	Not Listed
• Resorcinol	108-46-3	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
• Formaldehyde	50-00-0	Priority Substance List 2 (substance considered toxic)
• Naphthenic Oil	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Carbon Black	1333-86-4	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Amorphous silica	112926-00-8	Not Listed
• Sulfur	7704-34-9	Not Listed
• p-Phenylenediamine, N-phenyl-	101-54-2	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• p-Phenylenediamine, N-(1,3-dimethylbutyl)-N'-phenyl-	793-24-8	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed



• Mineral oil, petroleum distillates, solvent-refined (severe) heavy paraffinic	64741-88-4	Not Listed
• Mineral oil, petroleum distillates, solvent-refined (severe) light paraffinic	64741-89-5	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed
• Resorcinol Homopolymer	65876-95-1	Not Listed

## Europe

### Other

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

• Calcium silicate	1344-95-2	Not Listed
• Stearic acid	57-11-4	Not Listed
• Resorcinol	108-46-3	Xn; R22 Xi; R36/38 N; R50
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	C; R34
• Formaldehyde	50-00-0	T; R23/24/25 C; R34 Carc.Cat.3; R40 R43
• Naphthenic Oil	64742-52-5	Carc.Cat.2; R45
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Carbon Black	1333-86-4	Not Listed
• Zinc oxide	1314-13-2	N; R50-53
• Zinc oxide as Zinc compounds		Not Listed
• Amorphous silica	112926-00-8	Not Listed
• Sulfur	7704-34-9	Xi; R38
• p-Phenylenediamine, N-phenyl-	101-54-2	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• p-Phenylenediamine, N-(1,3-dimethylbutyl)-N'-phenyl-	793-24-8	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Carc.Cat.2; R45
• Mineral oil, petroleum distillates, solvent-refined (severe) heavy paraffinic	64741-88-4	Carc.Cat.2; R45
• Mineral oil, petroleum distillates, solvent-refined (severe) light paraffinic	64741-89-5	Carc.Cat.2; R45
• Sulfur homopolymer	9035-99-8	Not Listed
• Resorcinol Homopolymer	65876-95-1	Not Listed

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

• Calcium silicate	1344-95-2	Not Listed
• Stearic acid	57-11-4	Not Listed
• Resorcinol	108-46-3	10%≤C: Xn; R22
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	10%≤C<25%: Xi; R:36/37/38 25%≤C: C; R:34 0.2%≤C: R:43 25%≤C: T; R:23/24/25 5% ≤C<25%: Xn; R:20/21/22 25%≤C: C; R:34 5% ≤C<25%: Xi; R:36/37/38
• Formaldehyde	50-00-0	
• Naphthenic Oil	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Carbon Black	1333-86-4	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Amorphous silica	112926-00-8	Not Listed
• Sulfur	7704-34-9	Not Listed
• p-Phenylenediamine, N-phenyl-	101-54-2	Not Listed

• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• p-Phenylenediamine, N-(1,3-dimethylbutyl)-N'-phenyl-	793-24-8	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed
• Mineral oil, petroleum distillates, solvent-refined (severe) heavy paraffinic	64741-88-4	Not Listed
• Mineral oil, petroleum distillates, solvent-refined (severe) light paraffinic	64741-89-5	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed
• Resorcinol Homopolymer	65876-95-1	Not Listed

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

• Calcium silicate	1344-95-2	Not Listed
• Stearic acid	57-11-4	Not Listed
• Resorcinol	108-46-3	Xn N R:22-36/38-50 S:(2)-26-61
• 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
• Formaldehyde	50-00-0	T R:23/24/25-34-40-43 S:(1/2)-26-36/37/39-45-51
• Naphthenic Oil	64742-52-5	T R:45 S:53-45
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Carbon Black	1333-86-4	Not Listed
• Zinc oxide	1314-13-2	N R:50/53 S:60-61
• Zinc oxide as Zinc compounds		Not Listed
• Amorphous silica	112926-00-8	Not Listed
• Sulfur	7704-34-9	Xi R:38 S:(2)-46
• p-Phenylenediamine, N-phenyl-	101-54-2	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• p-Phenylenediamine, N-(1,3-dimethylbutyl)-N'-phenyl-	793-24-8	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	T R:45 S:53-45
• Mineral oil, petroleum distillates, solvent-refined (severe) heavy paraffinic	64741-88-4	T R:45 S:53-45
• Mineral oil, petroleum distillates, solvent-refined (severe) light paraffinic	64741-89-5	T R:45 S:53-45
• Sulfur homopolymer	9035-99-8	Not Listed
• Resorcinol Homopolymer	65876-95-1	Not Listed

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

• Calcium silicate	1344-95-2	Not Listed
• Stearic acid	57-11-4	Not Listed
• Resorcinol	108-46-3	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
• Formaldehyde	50-00-0	B, D
• Naphthenic Oil	64742-52-5	L
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed

• Carbon Black	1333-86-4	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Amorphous silica	112926-00-8	Not Listed
• Sulfur	7704-34-9	Not Listed
• p-Phenylenediamine, N-phenyl-	101-54-2	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• p-Phenylenediamine, N-(1,3-dimethylbutyl)-N'-phenyl-	793-24-8	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	L
• Mineral oil, petroleum distillates, solvent-refined (severe) heavy paraffinic	64741-88-4	L
• Mineral oil, petroleum distillates, solvent-refined (severe) light paraffinic	64741-89-5	L
• Sulfur homopolymer	9035-99-8	Not Listed
• Resorcinol Homopolymer	65876-95-1	Not Listed

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

• Calcium silicate	1344-95-2	Not Listed
• Stearic acid	57-11-4	Not Listed
• Resorcinol	108-46-3	S:(2)-26-61
• 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
• Formaldehyde	50-00-0	S:(1/2)-26-36/37/39-45-51
• Naphthenic Oil	64742-52-5	S:53-45
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Carbon Black	1333-86-4	Not Listed
• Zinc oxide	1314-13-2	S:60-61
• Zinc oxide as Zinc compounds		Not Listed
• Amorphous silica	112926-00-8	Not Listed
• Sulfur	7704-34-9	S:(2)-46
• p-Phenylenediamine, N-phenyl-	101-54-2	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• p-Phenylenediamine, N-(1,3-dimethylbutyl)-N'-phenyl-	793-24-8	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	S:53-45
• Mineral oil, petroleum distillates, solvent-refined (severe) heavy paraffinic	64741-88-4	S:53-45
• Mineral oil, petroleum distillates, solvent-refined (severe) light paraffinic	64741-89-5	S:53-45
• Sulfur homopolymer	9035-99-8	Not Listed
• Resorcinol Homopolymer	65876-95-1	Not Listed

## 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
• Resorcinol	108-46-3	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
• Formaldehyde	50-00-0	1000 lb TQ
• Naphthenic Oil	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Carbon Black	1333-86-4	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Amorphous silica	112926-00-8	Not Listed
• Sulfur	7704-34-9	Not Listed
• p-Phenylenediamine, N-phenyl-	101-54-2	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• p-Phenylenediamine, N-(1,3-dimethylbutyl)-N'-phenyl-	793-24-8	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed
• Mineral oil, petroleum distillates, solvent-refined (severe) heavy paraffinic	64741-88-4	Not Listed
• Mineral oil, petroleum distillates, solvent-refined (severe) light paraffinic	64741-89-5	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed
• Resorcinol Homopolymer	65876-95-1	Not Listed

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

• Calcium silicate	1344-95-2	Not Listed
• Stearic acid	57-11-4	Not Listed
• Resorcinol	108-46-3	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
		2 ppm STEL (Irritant and potential cancer hazard,

• Formaldehyde	50-00-0	See 29 CFR 1910.1048, 15 min); 0.5 ppm Action Level; 0.75 ppm TWA
• Naphthenic Oil	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Carbon Black	1333-86-4	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Amorphous silica	112926-00-8	Not Listed
• Sulfur	7704-34-9	Not Listed
• p-Phenylenediamine, N-phenyl-	101-54-2	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• p-Phenylenediamine, N-(1,3-dimethylbutyl)-N'-phenyl-	793-24-8	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed
• Mineral oil, petroleum distillates, solvent-refined (severe) heavy paraffinic	64741-88-4	Not Listed
• Mineral oil, petroleum distillates, solvent-refined (severe) light paraffinic	64741-89-5	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed
• Resorcinol Homopolymer	65876-95-1	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
• Resorcinol	108-46-3	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
• Formaldehyde	50-00-0	
• Naphthenic Oil	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Carbon Black	1333-86-4	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Amorphous silica	112926-00-8	Not Listed
• Sulfur	7704-34-9	Not Listed
• p-Phenylenediamine, N-phenyl-	101-54-2	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed

• p-Phenylenediamine, N-(1,3-dimethylbutyl)-N'-phenyl-	793-24-8	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed
• Mineral oil, petroleum distillates, solvent-refined (severe) heavy paraffinic	64741-88-4	Not Listed
• Mineral oil, petroleum distillates, solvent-refined (severe) light paraffinic	64741-89-5	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed
• Resorcinol Homopolymer	65876-95-1	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
• Resorcinol	108-46-3	5000 lb final RQ; 2270 kg final RQ
• 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
• Formaldehyde	50-00-0	100 lb final RQ; 45.4 kg final RQ
• Naphthenic Oil	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Carbon Black	1333-86-4	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Amorphous silica	112926-00-8	Not Listed
• Sulfur	7704-34-9	Not Listed
• p-Phenylenediamine, N-phenyl-	101-54-2	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• p-Phenylenediamine, N-(1,3-dimethylbutyl)-N'-phenyl-	793-24-8	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed
• Mineral oil, petroleum distillates, solvent-refined (severe) heavy paraffinic	64741-88-4	Not Listed
• Mineral oil, petroleum distillates, solvent-refined (severe) light paraffinic	64741-89-5	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed
• Resorcinol Homopolymer	65876-95-1	Not Listed

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

• Calcium silicate	1344-95-2	Not Listed
• Stearic acid	57-11-4	Not Listed
• Resorcinol	108-46-3	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
• Formaldehyde	50-00-0	Not Listed
• Naphthenic Oil	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Carbon Black	1333-86-4	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Amorphous silica	112926-00-8	Not Listed
• Sulfur	7704-34-9	Not Listed
• p-Phenylenediamine, N-phenyl-	101-54-2	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• p-Phenylenediamine, N-(1,3-dimethylbutyl)-N'-phenyl-	793-24-8	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed
• Mineral oil, petroleum distillates, solvent-refined (severe) heavy paraffinic	64741-88-4	Not Listed
• Mineral oil, petroleum distillates, solvent-refined (severe) light paraffinic	64741-89-5	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed
• Resorcinol Homopolymer	65876-95-1	Not Listed

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

• Calcium silicate	1344-95-2	Not Listed
• Stearic acid	57-11-4	Not Listed
• Resorcinol	108-46-3	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
• Formaldehyde	50-00-0	100 lb EPCRA RQ
• Naphthenic Oil	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Carbon Black	1333-86-4	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Amorphous silica	112926-00-8	Not Listed
• Sulfur	7704-34-9	Not Listed
• p-Phenylenediamine, N-phenyl-	101-54-2	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed

• p-Phenylenediamine, N-(1,3-dimethylbutyl)-N'-phenyl-	793-24-8	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed
• Mineral oil, petroleum distillates, solvent-refined (severe) heavy paraffinic	64741-88-4	Not Listed
• Mineral oil, petroleum distillates, solvent-refined (severe) light paraffinic	64741-89-5	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed
• Resorcinol Homopolymer	65876-95-1	Not Listed

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

• Calcium silicate	1344-95-2	Not Listed
• Stearic acid	57-11-4	Not Listed
• Resorcinol	108-46-3	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
• Formaldehyde	50-00-0	500 lb TPQ
• Naphthenic Oil	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Carbon Black	1333-86-4	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Amorphous silica	112926-00-8	Not Listed
• Sulfur	7704-34-9	Not Listed
• p-Phenylenediamine, N-phenyl-	101-54-2	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• p-Phenylenediamine, N-(1,3-dimethylbutyl)-N'-phenyl-	793-24-8	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed
• Mineral oil, petroleum distillates, solvent-refined (severe) heavy paraffinic	64741-88-4	Not Listed
• Mineral oil, petroleum distillates, solvent-refined (severe) light paraffinic	64741-89-5	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed
• Resorcinol Homopolymer	65876-95-1	Not Listed

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



• Calcium silicate	1344-95-2	Not Listed
• Stearic acid	57-11-4	Not Listed
• Resorcinol	108-46-3	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
• Formaldehyde	50-00-0	0.1 % de minimis concentration
• Naphthenic Oil	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Carbon Black	1333-86-4	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		1.0 % de minimis concentration (Chemical Category N982)
• Amorphous silica	112926-00-8	Not Listed
• Sulfur	7704-34-9	Not Listed
• p-Phenylenediamine, N-phenyl-	101-54-2	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• p-Phenylenediamine, N-(1,3-dimethylbutyl)-N'-phenyl-	793-24-8	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed
• Mineral oil, petroleum distillates, solvent-refined (severe) heavy paraffinic	64741-88-4	Not Listed
• Mineral oil, petroleum distillates, solvent-refined (severe) light paraffinic	64741-89-5	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed
• Resorcinol Homopolymer	65876-95-1	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
• Resorcinol	108-46-3	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
• Formaldehyde	50-00-0	Not Listed
• Naphthenic Oil	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Carbon Black	1333-86-4	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Amorphous silica	112926-00-8	Not Listed
• Sulfur	7704-34-9	Not Listed

• p-Phenylenediamine, N-phenyl-	101-54-2	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• p-Phenylenediamine, N-(1,3-dimethylbutyl)-N'-phenyl-	793-24-8	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed
• Mineral oil, petroleum distillates, solvent-refined (severe) heavy paraffinic	64741-88-4	Not Listed
• Mineral oil, petroleum distillates, solvent-refined (severe) light paraffinic	64741-89-5	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed
• Resorcinol Homopolymer	65876-95-1	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
• Resorcinol	108-46-3	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
• Formaldehyde	50-00-0	Included in waste streams: K009, K010, K038, K040, K156, K157
• Naphthenic Oil	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Carbon Black	1333-86-4	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Amorphous silica	112926-00-8	Not Listed
• Sulfur	7704-34-9	Not Listed
• p-Phenylenediamine, N-phenyl-	101-54-2	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• p-Phenylenediamine, N-(1,3-dimethylbutyl)-N'-phenyl-	793-24-8	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed
• Mineral oil, petroleum distillates, solvent-refined (severe) heavy paraffinic	64741-88-4	Not Listed
• Mineral oil, petroleum distillates, solvent-refined (severe) light paraffinic	64741-89-5	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed
• Resorcinol Homopolymer	65876-95-1	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
• Resorcinol	108-46-3	waste number U201
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	Not Listed

• Formaldehyde	50-00-0	waste number U122
• Naphthenic Oil	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Carbon Black	1333-86-4	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Amorphous silica	112926-00-8	Not Listed
• Sulfur	7704-34-9	Not Listed
• p-Phenylenediamine, N-phenyl-	101-54-2	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• p-Phenylenediamine, N-(1,3-dimethylbutyl)-N'-phenyl-	793-24-8	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed
• Mineral oil, petroleum distillates, solvent-refined (severe) heavy paraffinic	64741-88-4	Not Listed
• Mineral oil, petroleum distillates, solvent-refined (severe) light paraffinic	64741-89-5	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed
• Resorcinol Homopolymer	65876-95-1	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
• Resorcinol	108-46-3	waste number U201
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	Not Listed
• Formaldehyde	50-00-0	waste number U122
• Naphthenic Oil	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Carbon Black	1333-86-4	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Amorphous silica	112926-00-8	Not Listed
• Sulfur	7704-34-9	Not Listed
• p-Phenylenediamine, N-phenyl-	101-54-2	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• p-Phenylenediamine, N-(1,3-dimethylbutyl)-N'-phenyl-	793-24-8	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed
• Mineral oil, petroleum distillates, solvent-refined (severe) heavy paraffinic	64741-88-4	Not Listed
• Mineral oil, petroleum distillates, solvent-refined (severe) light paraffinic	64741-89-5	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed
• Resorcinol Homopolymer	65876-95-1	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

• Resorcinol	108-46-3	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
• Formaldehyde	50-00-0	carcinogen, initial date 1/1/88 (gas)
• Naphthenic Oil	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Carbon Black	1333-86-4	carcinogen, initial date 2/21/03 (airborne, unbound particles of respirable size)
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Amorphous silica	112926-00-8	Not Listed
• Sulfur	7704-34-9	Not Listed
• p-Phenylenediamine, N-phenyl-	101-54-2	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• p-Phenylenediamine, N-(1,3-dimethylbutyl)-N'-phenyl-	793-24-8	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed
• Mineral oil, petroleum distillates, solvent-refined (severe) heavy paraffinic	64741-88-4	Not Listed
• Mineral oil, petroleum distillates, solvent-refined (severe) light paraffinic	64741-89-5	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed
• Resorcinol Homopolymer	65876-95-1	Not Listed

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

• Calcium silicate	1344-95-2	Not Listed
• Stearic acid	57-11-4	Not Listed
• Resorcinol	108-46-3	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
• Formaldehyde	50-00-0	Not Listed
• Naphthenic Oil	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Carbon Black	1333-86-4	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Amorphous silica	112926-00-8	Not Listed
• Sulfur	7704-34-9	Not Listed
• p-Phenylenediamine, N-phenyl-	101-54-2	Not Listed

• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• p-Phenylenediamine, N-(1,3-dimethylbutyl)-N'-phenyl-	793-24-8	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed
• Mineral oil, petroleum distillates, solvent-refined (severe) heavy paraffinic	64741-88-4	Not Listed
• Mineral oil, petroleum distillates, solvent-refined (severe) light paraffinic	64741-89-5	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed
• Resorcinol Homopolymer	65876-95-1	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
• Resorcinol	108-46-3	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
• Formaldehyde	50-00-0	Not Listed
• Naphthenic Oil	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Carbon Black	1333-86-4	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Amorphous silica	112926-00-8	Not Listed
• Sulfur	7704-34-9	Not Listed
• p-Phenylenediamine, N-phenyl-	101-54-2	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• p-Phenylenediamine, N-(1,3-dimethylbutyl)-N'-phenyl-	793-24-8	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed

• Mineral oil, petroleum distillates, solvent-refined (severe) heavy paraffinic	64741-88-4	Not Listed
• Mineral oil, petroleum distillates, solvent-refined (severe) light paraffinic	64741-89-5	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed
• Resorcinol Homopolymer	65876-95-1	Not Listed

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

• Calcium silicate	1344-95-2	Not Listed
• Stearic acid	57-11-4	Not Listed
• Resorcinol	108-46-3	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
• Formaldehyde	50-00-0	40 µg/day NSRL (gas)
• Naphthenic Oil	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Carbon Black	1333-86-4	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Amorphous silica	112926-00-8	Not Listed
• Sulfur	7704-34-9	Not Listed
• p-Phenylenediamine, N-phenyl-	101-54-2	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• p-Phenylenediamine, N-(1,3-dimethylbutyl)-N'-phenyl-	793-24-8	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed
• Mineral oil, petroleum distillates, solvent-refined (severe) heavy paraffinic	64741-88-4	Not Listed
• Mineral oil, petroleum distillates, solvent-refined (severe) light paraffinic	64741-89-5	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed
• Resorcinol Homopolymer	65876-95-1	Not Listed

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

• Calcium silicate	1344-95-2	Not Listed
• Stearic acid	57-11-4	Not Listed
• Resorcinol	108-46-3	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
• Formaldehyde	50-00-0	Not Listed
• Naphthenic Oil	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed

• Carbon Black	1333-86-4	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Amorphous silica	112926-00-8	Not Listed
• Sulfur	7704-34-9	Not Listed
• p-Phenylenediamine, N-phenyl-	101-54-2	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• p-Phenylenediamine, N-(1,3-dimethylbutyl)-N'-phenyl-	793-24-8	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed
• Mineral oil, petroleum distillates, solvent-refined (severe) heavy paraffinic	64741-88-4	Not Listed
• Mineral oil, petroleum distillates, solvent-refined (severe) light paraffinic	64741-89-5	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed
• Resorcinol Homopolymer	65876-95-1	Not Listed

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

• Calcium silicate	1344-95-2	Not Listed
• Stearic acid	57-11-4	Not Listed
• Resorcinol	108-46-3	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
• Formaldehyde	50-00-0	Not Listed
• Naphthenic Oil	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Carbon Black	1333-86-4	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Amorphous silica	112926-00-8	Not Listed

• Sulfur	7704-34-9	Not Listed
• p-Phenylenediamine, N-phenyl-	101-54-2	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• p-Phenylenediamine, N-(1,3-dimethylbutyl)-N'-phenyl-	793-24-8	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed
• Mineral oil, petroleum distillates, solvent-refined (severe) heavy paraffinic	64741-88-4	Not Listed
• Mineral oil, petroleum distillates, solvent-refined (severe) light paraffinic	64741-89-5	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed
• Resorcinol Homopolymer	65876-95-1	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
• Resorcinol	108-46-3	
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	Not Listed
• Kaolin	1332-58-7	Not Listed
• Propionic acid	79-09-4	
• Formaldehyde	50-00-0	
• Naphthenic Oil	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Carbon Black	1333-86-4	Not Listed
• Zinc oxide	1314-13-2	(fume)
• Zinc oxide as Zinc compounds		
• Amorphous silica	112926-00-8	Not Listed
• Sulfur	7704-34-9	Not Listed
• p-Phenylenediamine, N-phenyl-	101-54-2	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• p-Phenylenediamine, N-(1,3-dimethylbutyl)-N'-phenyl-	793-24-8	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	Not Listed



• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed
• Mineral oil, petroleum distillates, solvent-refined (severe) heavy paraffinic	64741-88-4	Not Listed
• Mineral oil, petroleum distillates, solvent-refined (severe) light paraffinic	64741-89-5	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed
• Resorcinol Homopolymer	65876-95-1	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
• Resorcinol	108-46-3	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
• Formaldehyde	50-00-0	Not Listed
• Naphthenic Oil	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Carbon Black	1333-86-4	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Amorphous silica	112926-00-8	Not Listed
• Sulfur	7704-34-9	Not Listed
• p-Phenylenediamine, N-phenyl-	101-54-2	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• p-Phenylenediamine, N-(1,3-dimethylbutyl)-N'-phenyl-	793-24-8	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed
• Mineral oil, petroleum distillates, solvent-refined (severe) heavy paraffinic	64741-88-4	Not Listed
• Mineral oil, petroleum distillates, solvent-refined (severe) light paraffinic	64741-89-5	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed
• Resorcinol Homopolymer	65876-95-1	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
• Resorcinol	108-46-3	Toxic
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	Not Listed
• Kaolin	1332-58-7	Toxic
• Propionic acid	79-09-4	Toxic; Flammable
• Formaldehyde	50-00-0	Toxic; Flammable; Carcinogen
• Naphthenic Oil	64742-52-5	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined) as Oil mist, mineral, sum total of 15 polynuclear aromatic hydrocarbons (PAHs)		Not Listed
• Carbon Black	1333-86-4	Toxic
• Zinc oxide	1314-13-2	Toxic
• Zinc oxide as Zinc compounds		Not Listed
• Amorphous silica	112926-00-8	Not Listed
• Sulfur	7704-34-9	Flammable
• p-Phenylenediamine, N-phenyl-	101-54-2	Not Listed
• 2-Benzothiazolesulfenamide, N-tert-butyl-	95-31-8	Not Listed
• p-Phenylenediamine, N-(1,3-dimethylbutyl)-N'-phenyl-	793-24-8	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed
• Mineral oil, petroleum distillates, solvent-refined (severe) heavy paraffinic	64741-88-4	Not Listed
• Mineral oil, petroleum distillates, solvent-refined (severe) light paraffinic	64741-89-5	Not Listed
• Sulfur homopolymer	9035-99-8	Not Listed
• Resorcinol Homopolymer	65876-95-1	Not Listed

## 15.2 Chemical Safety Assessment

- No Chemical Safety Assessment has been carried out.

## 15.3 Other Information

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

## Section 16 - Other Information

### Relevant Phrases (code & full text)

- H302 - Harmful if swallowed
- H314 - Causes severe skin burns and eye damage.
- H315 - Causes skin irritation
- H319 - Causes serious eye irritation
- H335 - May cause respiratory irritation
- H350 - May cause cancer.
- H373 - May cause damage to organs through prolonged or repeated exposure.
- H400 - Very toxic to aquatic life
- H410 - Very toxic to aquatic life with long lasting effects
- R34 - Causes burns.
- R36/38 - Irritating to eyes and skin.
- R36/37/38 - Irritating to eyes, respiratory system and skin.
- R37 - Irritating to respiratory system.
- R38 - Irritating to skin.
- R45 - May cause cancer.

R48/22 - Harmful: danger of serious damage to health by prolonged exposure if swallowed.  
R50 - Very toxic to aquatic organisms.

**Last Revision Date**

- 19/July/2013

**Preparation Date**

- 22/February/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

---