

Safety Data Sheet



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

1.1 Product identifier

Product Name • Extruder Rope
Product Code • 18-122; 98-524

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

Relevant identified use(s) • Tire 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 • Hazardous to the aquatic environment Chronic 3 - H412
DSD/DPD • R52, R53

2.2 Label Elements

CLP
Hazard statements • H412 - Harmful to aquatic life with long lasting effects

Precautionary statements

Prevention • P273 - Avoid release to the environment.
Storage/Disposal • P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

DSD/DPD

- Risk phrases**
- R52 - Harmful to aquatic organisms.
 - R53 - May cause long-term adverse effects in the aquatic environment.

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/vapours. - P261
 - Contaminated work clothing should not be allowed out of the workplace. - P272
 - Wear protective gloves. - 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**
- Not classified

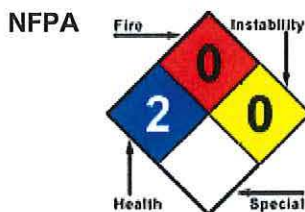
2.2 Label elements

- WHMIS**
- No label element(s) required

2.3 Other hazards

- WHMIS**
- In Canada, the product mentioned above is not considered hazardous under the Workplace Hazardous Materials Information System (WHMIS).
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2.4 Other information



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

Hazardous Components					
Chemical Name	Identifiers	%(weight)	LD50/LC50	Classifications According to Regulation/Directive	Comments
Carbon Black	CAS:1333-86-4 EC Number:215-609-9	15% TO 40%	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	*
Naphthenic Oil	CAS:64742-52-5 EC Number:265-155-0	8.28% TO 14.074%	NDA	EU DSD/DPD: Annex I - Carc. Cat. 2; R45 Xi; R36/38 EU CLP: Annex VI - Carc. 1B, H350; Skin Irrit. 2, H315; Eye Irrit. 2, H319 OSHA HCS 2012: Skin Irrit. 2; Eye Irrit. 2A	Contains less than 3% DMSO
Styrene-butadiene copolymer	CAS:9003-55-8	1% TO 5%	NDA	EU DSD/DPD: Not Classified - Classification criteria not met EU CLP: Not Classified - Classification criteria not met OSHA HCS 2012: Not Classified - Classification criteria not met	NDA
Zinc oxide	CAS:1314-13-2 EC Number:215-222-5	1% TO 5%	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 - Classification criteria not met	NDA
N,N'-Diaryl-paraphenylene diamine mixture	CAS:68953-84-4 EINECS:273-227-8	0.1% TO 1%	Ingestion/Oral-Rat LD50 • >2 g/kg	EU DSD/DPD: Self Classified - Xi; R36/37/38 N; R51-53 EU CLP: Self Classified - Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335; Aquatic Chronic 2, H411 OSHA HCS 2012: Skin Irrit. 2; Eye Irrit. 2A; STOT SE 3: Resp. Irrit.	NDA
2,2'-Dibenzamido diphenyl disulfite	CAS:135-57-9 EINECS:205-201-9	0.1% TO 1%	Ingestion/Oral-Rat LD50 • >4 g/kg	EU DSD/DPD: Self Classified - Xi; R43 EU CLP: Self Classified - Skin Sens. 1, H317 OSHA HCS 2012: Skin Sens. 1	NDA

OBTS	CAS: 102-77-2 EC Number: 203-052-4	0.1% TO 1%	Ingestion/Oral-Rat LD50 • >10 g/kg	EU DSD/DPD: Annex I - Xi; R36/38 R43 N; R51-53 EU CLP: Annex VI - Eye Irrit. 2, H319; Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Chronic 2, H411 OSHA HCS 2012: Eye Irrit. 2A; Skin Irrit. 2; Skin Sens. 1	NDA
Disproportionated Tall Oil	CAS: 61790-12-3 EINECS: 263-107-3	0.1% TO 1%	Ingestion/Oral-Rat LD50 • >10000 mg/kg	EU DSD/DPD: Not Classified - Classification criteria not met EU CLP: Not Classified - Classification criteria not met OSHA HCS 2012: Not Classified - Classification criteria not met	NDA
Oleic acid	CAS: 112-80-1 EC Number: 204-007-1	0.1% TO 1%	Ingestion/Oral-Rat LD50 • 25000 mg/kg	EU DSD/DPD: Self Classified - Xi; R38 EU CLP: Self Classified - Skin Irrit. 2, H315 OSHA HCS 2012: Skin Irrit. 2	NDA
Disproportionated Rosin	CAS: 8050-09-7 EC Number: 232-475-7	0.1% TO 1%	Ingestion/Oral-Rat LD50 • 3 mg/kg	EU DSD/DPD: Annex I - R43 EU CLP: Annex VI - Skin Sens. 1, H317 OSHA HCS 2012: Acute Tox. 1 (orl); Skin Sens. 1	NDA
Zinc diethyldithiocarbamate	CAS: 14324-55-1 EC Number: 238-270-9	0.1% TO 1%	Ingestion/Oral-Rat LD50 • 700 mg/kg	EU DSD/DPD: Annex I - Xn; R22 Xi; R36/37/38 R43 N; R50-53 EU CLP: Annex VI - Acute Tox. 4, H302; Eye Irrit. 2, H319; STOT SE 3, H335; Skin Irrit. 2, H315 Skin Sens. 1, H317; Aquatic Acute 1; H400; Aquatic Chronic 1, H410 OSHA HCS 2012: Acute Tox. 4 (orl); Eye Irrit. 2A	NDA
Linoelic acid	CAS: 60-33-3 EINECS: 200-470-9	0.098% TO 0.196%	NDA	EU DSD/DPD: Self Classified - Xi; R38 EU CLP: Self Classified - Skin Irrit. 2, H315 OSHA HCS 2012: Skin Irrit. 2	NDA
Kaolin	CAS: 1332-58-7	0.096% TO 0.12%	NDA	EU DSD/DPD: Self Classified - Xi; R36/37 EU CLP: Self Classified - Eye Irrit. 2, H319; STOT SE 3, H335 OSHA HCS 2012: Eye Irrit. 2, STOT SE 3: Resp. Irrit.	NDA
Propionic acid	CAS: 79-09-4 EC Number: 201-176-3 UN: UN1848	0.0024% TO 0.0122%	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
Calcium silicate	CAS: 1344-95-2 EINECS: 215-710-8	0.0012% TO 0.0024%	NDA	EU DSD/DPD: Not Classified - Classification criteria not met EU CLP: Community workplace exposure limit OSHA HCS 2012: Not Classified - Classification criteria not met	NDA
Sulfur	CAS: 7704-34-9 EC Number: 231-722-6 UN: UN1350	0.1096%	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. Irrit.	NDA

Key to abbreviations

* = The CB4REACH Consortium has concluded that carbon black is classified as non-hazardous for all end-points. This classification is currently under review by ECHA.

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

Section 4 - First Aid Measures

4.1 Description of first aid measures

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

4.2 Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

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

Section 5 - Firefighting Measures

5.1 Extinguishing media

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

5.2 Special hazards arising from the substance or mixture

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

5.3 Advice for firefighters

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

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

- | | |
|-----------------------------|---|
| Personal Precautions | <ul style="list-style-type: none"> • Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid any skin contact. |
| Emergency Procedures | <ul style="list-style-type: none"> • No emergency procedures are expected to be necessary if material is used under ordinary conditions as 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	China	France
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
Propionic acid (79-09-4)	STELs	Not established	Not established	Not established	60 mg/m3 STEL	20 ppm STEL [VLCT] (indicative limit); 62 mg/m3 STEL [VLCT] (indicative limit)
	TWAs	10 ppm TWA	10 ppm TWA	10 ppm TWAEV; 30 mg/m3 TWAEV	30 mg/m3 TWA	10 ppm TWA [VME] (indicative limit); 31 mg/m3 TWA [VME] (indicative limit)
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]
Polyethylene (9002-88-4)	STELs	Not established	Not established	Not established	10 mg/m3 STEL (total dust)	Not established
	TWAs	Not established	Not established	Not established	5 mg/m3 TWA (total dust)	Not established
			exposure by all			

Disproportionated Rosin (8050-09-7)	TWAs	Not established	routes should be carefully controlled to levels as low as possible	0.1 mg/m3 TWAEV (as Formaldehyde)	Not established	0.1 mg/m3 TWA [VME] (as Formaldehyde)
Zinc oxide (1314-13-2)	STELs	10 mg/m3 STEL (respirable fraction)	10 mg/m3 STEL (respirable)	10 mg/m3 STEV (fume)	5 mg/m3 STEL	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)	3 mg/m3 TWA	5 mg/m3 TWA [VME] (fume); 10 mg/m3 TWA [VME] (dust)
Carbon Black (1333-86-4)	STELs	Not established	Not established	Not established	8 mg/m3 STEL (total dust)	Not established
	TWAs	3 mg/m3 TWA (inhalable fraction)	3.5 mg/m3 TWA	3.5 mg/m3 TWAEV	4 mg/m3 TWA (total dust)	3.5 mg/m3 TWA [VME]

Exposure Limits/Guidelines (Con't.)

	Result	Germany DFG	Germany TRGS	Italy	NIOSH	OSHA
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)
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/m3 Peak	Not established	Not established	Not established	Not established
	MAKs	10 ppm TWA MAK; 31 mg/m3 TWA MAK	Not established	Not established	Not established	Not established
Kaolin (1332-58-7)	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)
Zinc oxide (1314-13-2)	TWAs	Not established	Not established	Not established	5 mg/m3 TWA (dust and fume)	5 mg/m3 TWA (fume); 15 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable fraction)
	Ceilings	1 mg/m3 Peak (respirable fraction, fume)	Not established	Not established	15 mg/m3 Ceiling (dust)	Not established
	STELs	Not established	Not established	Not established	10 mg/m3 STEL (fume)	Not established

	MAKs	1 mg/m3 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/m3 TWA; 0.1 mg/m3 TWA (Carbon black in presence of Polycyclic aromatic hydrocarbons, as PAH)	3.5 mg/m3 TWA

Exposure Control Notations

Italy

•Naphthenic Oil (64742-52-5): **Carcinogens:** (Category 2 Carcinogen)

Germany DFG

•Kaolin (1332-58-7): **Carcinogens:** (Category 3B (could be carcinogenic for man))

•Propionic acid (79-09-4): **Pregnancy:** (no risk to embryo/fetus if exposure limits adhered to)

•Oleic acid (112-80-1): **Carcinogens:** (Category 3A (could be carcinogenic for man))

•Disproportionated Rosin (8050-09-7): **Sensitizers:** (skin sensitizer)

•Carbon Black (1333-86-4): **Carcinogens:** (Category 3B (could be carcinogenic for man, inhalable fraction))

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	1.11 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		
Flammability			
Flash Point	Data lacking	UEL	Data lacking
LEL	Data lacking	Autoignition	Data lacking
Flammability (solid, gas)	Data lacking		
Environmental			
Octanol/Water Partition coefficient	Data lacking		

9.2 Other Information

- No additional physical and chemical parameters noted.

Section 10: Stability and Reactivity

10.1 Reactivity

- No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

- Stable

10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

10.4 Conditions to avoid

- No data available.

10.5 Incompatible materials

- None known.

10.6 Hazardous decomposition products

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

Section 11 - Toxicological Information

11.1 Information on toxicological effects

Component Name	CAS	Data
Carbon Black (15% TO 40%)	1333-86-4	Acute Toxicity: orl-rat LD50:>15400 mg/kg; Tumorigen/Carcinogen: ihl-rat TCLo:11600 ug/m3/18H/2Y-I
Naphthenic Oil (8.28% TO 14.074%)	64742-52-5	Irritation: skn-rbt 500 mg SEV
Styrene-butadiene copolymer (1% TO 5%)	9003-55-8	Irritation: eye-rbt 500 mg/24H MLD
Zinc oxide (1% TO 5%)	1314-13-2	Irritation: eye-rbt 500 mg/24H MLD; skn-rbt 500 mg/24H MLD; Reproductive: orl-rat TDLo:6846 mg/kg (1-22D preg)
N,N'-Diaryl-paraphenylene diamine mixture (0.1% TO 1%)	68953-84-4	Acute Toxicity: orl-rat LD50:>2 gm/kg

2,2'-Dibenzamido diphenyl disulfite (0.1% TO 1%)	135-57-9	Acute Toxicity: orl-rat LD50:>4 gm/kg; Irritation: eye-rbt 500 mg/24H MLD
OBTS (0.1% TO 1%)	102-77-2	Acute Toxicity: orl-rat LD50:>10 gm/kg; Irritation: eye-rbt 100 mg/24H MOD; skn-rbt 500 mg/24H MLD
Disproportionated Tall Oil (0.1% TO 1%)	61790-12-3	Acute Toxicity: orl-rat LD50:>10000 mg/kg
Oleic acid (0.1% TO 1%)	112-80-1	Acute Toxicity: orl-rat LD50:25000 mg/kg; Irritation: eye-rbt 100 mg MLD
Disproportionated Rosin (0.1% TO 1%)	8050-09-7	Acute Toxicity: orl-rat LD50:3.0 mg/kg; lhl-rat LC50:110 mg/m3
Zinc diethyldithiocarbamate (0.1% TO 1%)	14324-55-1	Acute Toxicity: orl-rat LD50:700 mg/kg; Irritation: eye-rbt 100 mg/24H MOD
Kaolin (0.096% TO 0.12%)	1332-58-7	Reproductive: orl-rat TDLo:370 gm/kg (37D pre/1-22D preg)

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

Route(s) of entry/exposure

- Inhalation, Skin, Eye

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

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

Chronic (Delayed)

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

Skin**Acute (Immediate)**

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

Chronic (Delayed)

- No data available.

Eye

- Acute (Immediate)**
 - No adverse effects likely for general handling at room temperature. Hot processing (e.g. milling, extrusion, curing, etc.) can release fumes and other volatiles which may cause irritation.
- Chronic (Delayed)**
 - No data available.
- Ingestion**
 - Acute (Immediate)**
 - Under normal conditions of use, no health effects are expected.
 - Chronic (Delayed)**
 - No data available.
- 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	IARC
Carbon Black	1333-86-4	Group 2B-Possible Carcinogen

Key to abbreviations

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

Section 12 - Ecological Information

12.1 Toxicity

- Material data lacking.

12.2 Persistence and degradability

- Material data lacking.

12.3 Bioaccumulative potential

- Material data lacking.

12.4 Mobility in Soil

- Material data lacking.

12.5 Results of PBT and vPvB assessment

- No PBT and vPvB assessment has been conducted.

12.6 Other adverse effects

- No studies have been found.

Section 13 - Disposal Considerations

13.1 Waste treatment methods

Product waste

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

Packaging waste

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

Section 14 - Transport Information

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

14.6 Special precautions for user • None known.

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

Section 15 - Regulatory Information

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

SARA Hazard Classifications • Acute

State Right To Know				
Component	CAS	MA	NJ	PA
1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	No	No	No
Carbon Black	1333-86-4	Yes	Yes	Yes
Naphthenic Oil	64742-52-5	No	No	No
Styrene-butadiene copolymer	9003-55-8	No	No	No
Zinc oxide	1314-13-2	Yes	Yes Yes	Yes Yes
N,N'-Diaryl-paraphenylene diamine mixture	68953-84-4	No	No	No
2,2'-Dibenzamido diphenyl disulfite	135-57-9	No	No	No
OBTS	102-77-2	No	No	No
Disproportionated Tall Oil	61790-12-3	No	No	No
Oleic acid	112-80-1	No	No	Yes
Polyethylene	9002-88-4	No	No	No
Trimethyldihydroquinoline_Antioxidant	26780-96-1	No	No	No
Disproportionated Rosin	8050-09-7	No	No	No

Sulfur homopolymer	9035-99-8	No	No	No
Zinc diethyldithiocarbamate	14324-55-1	No	No	No
Linoelic acid	60-33-3	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

Inventory						
Component	CAS	Canada DSL	Canada NDSL	China	EU EINECS	EU ELNICS
1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	Yes	No	Yes	No	No
Carbon Black	1333-86-4	Yes	No	Yes	Yes	Yes
Naphthenic Oil	64742-52-5	Yes	No	Yes	Yes	No
Styrene-butadiene copolymer	9003-55-8	Yes	No	Yes	No	No
Zinc oxide	1314-13-2	Yes	No	Yes	Yes	No
N,N'-Diaryl-paraphenylene diamine mixture	68953-84-4	Yes	No	Yes	Yes	No
2,2'-Dibenzamldo diphenyl disulfite	135-57-9	Yes	No	Yes	Yes	No
OBTS	102-77-2	Yes	No	Yes	Yes	No
Disproptionated Tall Oil	61790-12-3	Yes	No	Yes	Yes	No
Oleic acid	112-80-1	Yes	No	Yes	Yes	No
Polyethylene	9002-88-4	Yes	No	Yes	No	No
Trimethyldihydroquinoline_Antioxidant	26780-96-1	Yes	No	Yes	No	No
Disproptionated Rosin	8050-09-7	Yes	No	Yes	Yes	No
Sulfur homopolymer	9035-99-8	Yes	No	Yes	No	No
Zinc diethyldithiocarbamate	14324-55-1	Yes	No	Yes	Yes	No
Linoelic acid	60-33-3	Yes	No	Yes	Yes	No
Kaolin	1332-58-7	Yes	No	Yes	Yes	No
Propionic acid	79-09-4	Yes	No	Yes	Yes	No
Calcium silicate	1344-95-2	Yes	No	Yes	Yes	No
Sulfur	7704-34-9	Yes	No	Yes	Yes	No
Inventory (Con't.)						
Component	CAS	Japan ENCS	Korea KECL	TSCA		
1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	Yes	Yes	Yes		
Carbon Black	1333-86-4	Yes	Yes	Yes		

Naphthenic Oil	64742-52-5	Yes	Yes	Yes
Styrene-butadiene copolymer	9003-55-8	Yes	Yes	Yes
Zinc oxide	1314-13-2	Yes	Yes	Yes
N,N'-Diaryl-paraphenylene diamine mixture	68953-84-4	Yes	Yes	Yes
2,2'-Dibenzamido diphenyl disulfite	135-57-9	Yes	Yes	Yes
OBTS	102-77-2	Yes	Yes	Yes
Disproportionated Tall Oil	61790-12-3	Yes	Yes	Yes
Oleic acid	112-80-1	Yes	Yes	Yes
Polyethylene	9002-88-4	Yes	Yes	Yes
Trimethyldihydroquinoline_Antioxidant	26780-96-1	Yes	Yes	Yes
Disproportionated Rosin	8050-09-7	Yes	Yes	Yes
Sulfur homopolymer	9035-99-8	No	Yes	Yes
Zinc diethyldithiocarbamate	14324-55-1	Yes	Yes	Yes
Linoelic acid	60-33-3	Yes	Yes	Yes
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	No	Yes	Yes

Canada

Labor

Canada - WHMIS - Classifications of Substances

• Linoelic acid	60-33-3	0.098% TO 0.196%	Uncontrolled product according to WHMIS classification criteria
• Calcium silicate	1344-95-2	0.0012% TO 0.0024%	Uncontrolled product according to WHMIS classification criteria
• Trimethyldihydroquinoline_Antioxidant	26780-96-1	0.1% TO 1%	Not Listed
• Styrene-butadiene copolymer	9003-55-8	1% TO 5%	Uncontrolled product according to WHMIS classification criteria
• OBTS	102-77-2	0.1% TO 1%	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	30% TO 60%	Not Listed
• Kaolin	1332-58-7	0.096% TO 0.12%	D2A
• Propionic acid	79-09-4	0.0024% TO 0.0122%	B3, D1B, E
• Disproportionated Rosin	8050-09-7	0.1% TO 1%	D2A
• Naphthenic Oil	64742-52-5	8.28% TO 14.074%	Not Listed
• Carbon Black	1333-86-4	15% TO 40%	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	1% TO 5%	Uncontrolled product according to WHMIS classification criteria

• Zinc diethyldithiocarbamate	14324-55-1	0.1% TO 1%	Not Listed
• N,N'-Diaryl-paraphenylene diamine mixture	68953-84-4	0.1% TO 1%	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	0.1% TO 1%	Not Listed
• Polyethylene	9002-88-4	0.1% TO 1%	Not Listed
• Sulfur homopolymer	9035-99-8	0.1% TO 1%	Not Listed

Canada - WHMIS - Ingredient Disclosure List

• Linoelic acid	60-33-3	0.098% TO 0.196%	1 %
• Calcium silicate	1344-95-2	0.0012% TO 0.0024%	Not Listed
• Trimethyldihydroquinoline_Antioxidant	26780-96-1	0.1% TO 1%	Not Listed
• Styrene-butadiene copolymer	9003-55-8	1% TO 5%	Not Listed
• OBTS	102-77-2	0.1% TO 1%	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	30% TO 60%	Not Listed
• Kaolin	1332-58-7	0.096% TO 0.12%	Not Listed
• Propionic acid	79-09-4	0.0024% TO 0.0122%	1 %
• Disproportionated Rosin	8050-09-7	0.1% TO 1%	Not Listed
• Naphthenic Oil	64742-52-5	8.28% TO 14.074%	Not Listed
• Carbon Black	1333-86-4	15% TO 40%	1 %
• Zinc oxide	1314-13-2	1% TO 5%	1 %
• Zinc diethyldithiocarbamate	14324-55-1	0.1% TO 1%	1 %
• N,N'-Diaryl-paraphenylene diamine mixture	68953-84-4	0.1% TO 1%	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	0.1% TO 1%	Not Listed
• Polyethylene	9002-88-4	0.1% TO 1%	Not Listed
• Sulfur homopolymer	9035-99-8	0.1% TO 1%	Not Listed

Environment**Canada - CEPA - Priority Substances List**

• Linoelic acid	60-33-3	0.098% TO 0.196%	Not Listed
• Calcium silicate	1344-95-2	0.0012% TO 0.0024%	Not Listed
• Trimethyldihydroquinoline_Antioxidant	26780-96-1	0.1% TO 1%	Not Listed
• Styrene-butadiene copolymer	9003-55-8	1% TO 5%	Not Listed
• OBTS	102-77-2	0.1% TO 1%	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	30% TO 60%	Not Listed
• Kaolin	1332-58-7	0.096% TO 0.12%	Not Listed
• Propionic acid	79-09-4	0.0024% TO 0.0122%	Not Listed
• Disproportionated Rosin	8050-09-7	0.1% TO 1%	Not Listed
• Naphthenic Oil	64742-52-5	8.28% TO 14.074%	Not Listed
• Carbon Black	1333-86-4	15% TO 40%	Not Listed
• Zinc oxide	1314-13-2	1% TO 5%	Not Listed
• Zinc diethyldithiocarbamate	14324-55-1	0.1% TO 1%	Not Listed
• N,N'-Diaryl-paraphenylene diamine mixture	68953-84-4	0.1% TO 1%	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	0.1% TO 1%	Not Listed
• Polyethylene	9002-88-4	0.1% TO 1%	Not Listed
• Sulfur homopolymer	9035-99-8	0.1% TO 1%	Not Listed

Europe

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

• Linoelic acid	60-33-3	0.098% TO 0.196%	Not Listed
• Calcium silicate	1344-95-2	0.0012% TO 0.0024%	Not Listed
• Trimethyldihydroquinoline_Antioxidant	26780-96-1	0.1% TO 1%	Not Listed
• Styrene-butadiene copolymer	9003-55-8	1% TO 5%	Not Listed
• OBTS	102-77-2	0.1% TO 1%	Xi; R36/38 R43 N; R51-53
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	30% TO 60%	Not Listed
• Kaolin	1332-58-7	0.096% TO 0.12%	Not Listed
• Propionic acid	79-09-4	0.0024% TO 0.0122%	C; R34
• Disproportionated Rosin	8050-09-7	0.1% TO 1%	R43
• Naphthenic Oil	64742-52-5	8.28% TO 14.074%	Carc.Cat.2; R45
• Carbon Black	1333-86-4	15% TO 40%	Not Listed
• Zinc oxide	1314-13-2	1% TO 5%	N; R50-53
• Zinc diethyldithiocarbamate	14324-55-1	0.1% TO 1%	Xn; R22 Xi; R36/37/38 R43 N; R50-53
• N,N'-Diaryl-paraphenylene diamine mixture	68953-84-4	0.1% TO 1%	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	0.1% TO 1%	Not Listed
• Polyethylene	9002-88-4	0.1% TO 1%	Not Listed
• Sulfur homopolymer	9035-99-8	0.1% TO 1%	Not Listed

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

• Linoelic acid	60-33-3	0.098% TO 0.196%	Not Listed
• Calcium silicate	1344-95-2	0.0012% TO 0.0024%	Not Listed
• Trimethyldihydroquinoline_Antioxidant	26780-96-1	0.1% TO 1%	Not Listed
• Styrene-butadiene copolymer	9003-55-8	1% TO 5%	Not Listed
• OBTS	102-77-2	0.1% TO 1%	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	30% TO 60%	Not Listed
• Kaolin	1332-58-7	0.096% TO 0.12%	Not Listed
• Propionic acid	79-09-4	0.0024% TO 0.0122%	10%<=C<25%: Xi; R:36/37/38 25%<=C: C; R:34
• Disproportionated Rosin	8050-09-7	0.1% TO 1%	Not Listed
• Naphthenic Oil	64742-52-5	8.28% TO 14.074%	Not Listed
• Carbon Black	1333-86-4	15% TO 40%	Not Listed
• Zinc oxide	1314-13-2	1% TO 5%	Not Listed
• Zinc diethyldithiocarbamate	14324-55-1	0.1% TO 1%	Not Listed
• N,N'-Diaryl-paraphenylene diamine mixture	68953-84-4	0.1% TO 1%	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	0.1% TO 1%	Not Listed
• Polyethylene	9002-88-4	0.1% TO 1%	Not Listed
• Sulfur homopolymer	9035-99-8	0.1% TO 1%	Not Listed

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

• Linoelic acid	60-33-3	0.098% TO 0.196%	Not Listed
• Calcium silicate	1344-95-2	0.0012% TO 0.0024%	Not Listed
• Trimethyldihydroquinoline_Antioxidant	26780-96-1	0.1% TO 1%	Not Listed
• Styrene-butadiene copolymer	9003-55-8	1% TO 5%	Not Listed
• OBTS	102-77-2	0.1% TO 1%	Xi N R:36/38-43-51/53 S:(2)-24-26-37-61
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	30% TO 60%	Not Listed
• Kaolin	1332-58-7	0.096% TO 0.12%	Not Listed

• Propionic acid	79-09-4	0.0024% TO 0.0122%	C R:34 S:(1/2)-23-36-45
• Disproportionated Rosin	8050-09-7	0.1% TO 1%	Xi R:43 S:(2)-24-37
• Naphthenic Oil	64742-52-5	8.28% TO 14.074%	T R:45 S:53-45
• Carbon Black	1333-86-4	15% TO 40%	Not Listed
• Zinc oxide	1314-13-2	1% TO 5%	N R:50/53 S:60-61
• Zinc diethyldithiocarbamate	14324-55-1	0.1% TO 1%	Xn N R:22-36/37/38-43-50/53 S:(2)-24-37-60-61
• N,N'-Diaryl-paraphenylene diamine mixture	68953-84-4	0.1% TO 1%	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	0.1% TO 1%	Not Listed
• Polyethylene	9002-88-4	0.1% TO 1%	Not Listed
• Sulfur homopolymer	9035-99-8	0.1% TO 1%	Not Listed

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

• Linoelic acid	60-33-3	0.098% TO 0.196%	Not Listed
• Calcium silicate	1344-95-2	0.0012% TO 0.0024%	Not Listed
• Trimethyldihydroquinoline_Antioxidant	26780-96-1	0.1% TO 1%	Not Listed
• Styrene-butadiene copolymer	9003-55-8	1% TO 5%	Not Listed
• OBTS	102-77-2	0.1% TO 1%	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	30% TO 60%	Not Listed
• Kaolin	1332-58-7	0.096% TO 0.12%	Not Listed
• Propionic acid	79-09-4	0.0024% TO 0.0122%	B
• Disproportionated Rosin	8050-09-7	0.1% TO 1%	Not Listed
• Naphthenic Oil	64742-52-5	8.28% TO 14.074%	L
• Carbon Black	1333-86-4	15% TO 40%	Not Listed
• Zinc oxide	1314-13-2	1% TO 5%	Not Listed
• Zinc diethyldithiocarbamate	14324-55-1	0.1% TO 1%	Not Listed
• N,N'-Diaryl-paraphenylene diamine mixture	68953-84-4	0.1% TO 1%	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	0.1% TO 1%	Not Listed
• Polyethylene	9002-88-4	0.1% TO 1%	Not Listed
• Sulfur homopolymer	9035-99-8	0.1% TO 1%	Not Listed

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

• Linoelic acid	60-33-3	0.098% TO 0.196%	Not Listed
• Calcium silicate	1344-95-2	0.0012% TO 0.0024%	Not Listed
• Trimethyldihydroquinoline_Antioxidant	26780-96-1	0.1% TO 1%	Not Listed
• Styrene-butadiene copolymer	9003-55-8	1% TO 5%	Not Listed
• OBTS	102-77-2	0.1% TO 1%	S:(2)-24-26-37-61
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	30% TO 60%	Not Listed
• Kaolin	1332-58-7	0.096% TO 0.12%	Not Listed
• Propionic acid	79-09-4	0.0024% TO 0.0122%	S:(1/2)-23-36-45
• Disproportionated Rosin	8050-09-7	0.1% TO 1%	S:(2)-24-37
• Naphthenic Oil	64742-52-5	8.28% TO 14.074%	S:53-45
• Carbon Black	1333-86-4	15% TO 40%	Not Listed
• Zinc oxide	1314-13-2	1% TO 5%	S:60-61
• Zinc diethyldithiocarbamate	14324-55-1	0.1% TO 1%	S:(2)-24-37-60-61
• N,N'-Diaryl-paraphenylene diamine mixture	68953-84-4	0.1% TO 1%	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	0.1% TO 1%	Not Listed
• Polyethylene	9002-88-4	0.1% TO 1%	Not Listed
• Sulfur homopolymer	9035-99-8	0.1% TO 1%	Not Listed

Mexico

Other

Mexico - Hazard Classifications

• Linoelic acid	60-33-3	0.098% TO 0.196%	Not Listed
• Calcium silicate	1344-95-2	0.0012% TO 0.0024%	Not Listed
• Trimethyldihydroquinoline_Antioxidant	26780-96-1	0.1% TO 1%	Not Listed
• Styrene-butadiene copolymer	9003-55-8	1% TO 5%	Not Listed
• OBTS	102-77-2	0.1% TO 1%	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	30% TO 60%	Not Listed
• Kaolin	1332-58-7	0.096% TO 0.12%	Not Listed
• Propionic acid	79-09-4	0.0024% TO 0.0122%	Hazard Class = 8 PG = III UN1848; Hazard Class = 8 (3) PG = II (with >=90% acid by mass) UN3463
• Disproportionated Rosin	8050-09-7	0.1% TO 1%	Not Listed
• Naphthenic Oil	64742-52-5	8.28% TO 14.074%	Not Listed
• Carbon Black	1333-86-4	15% TO 40%	Not Listed
• Zinc oxide	1314-13-2	1% TO 5%	Not Listed
• Zinc diethyldithiocarbamate	14324-55-1	0.1% TO 1%	Not Listed
• N,N'-Diaryl-paraphenylene diamine mixture	68953-84-4	0.1% TO 1%	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	0.1% TO 1%	Not Listed
• Polyethylene	9002-88-4	0.1% TO 1%	Not Listed
• Sulfur homopolymer	9035-99-8	0.1% TO 1%	Not Listed

Mexico - Regulated Substances

• Linoelic acid	60-33-3	0.098% TO 0.196%	Not Listed
• Calcium silicate	1344-95-2	0.0012% TO 0.0024%	Not Listed
• Trimethyldihydroquinoline_Antioxidant	26780-96-1	0.1% TO 1%	Not Listed
• Styrene-butadiene copolymer	9003-55-8	1% TO 5%	Not Listed
• OBTS	102-77-2	0.1% TO 1%	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	30% TO 60%	Not Listed
• Kaolin	1332-58-7	0.096% TO 0.12%	Not Listed
• Propionic acid	79-09-4	0.0024% TO 0.0122%	UN1848; UN3463 (with >=90% acid by mass)
• Disproportionated Rosin	8050-09-7	0.1% TO 1%	Not Listed
• Naphthenic Oil	64742-52-5	8.28% TO 14.074%	Not Listed
• Carbon Black	1333-86-4	15% TO 40%	Not Listed
• Zinc oxide	1314-13-2	1% TO 5%	Not Listed
• Zinc diethyldithiocarbamate	14324-55-1	0.1% TO 1%	Not Listed
• N,N'-Diaryl-paraphenylene diamine mixture	68953-84-4	0.1% TO 1%	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	0.1% TO 1%	Not Listed
• Polyethylene	9002-88-4	0.1% TO 1%	Not Listed
• Sulfur homopolymer	9035-99-8	0.1% TO 1%	Not Listed

United States

Labor

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

• Linoelic acid	60-33-3	0.098% TO 0.196%	Not Listed
• Calcium silicate	1344-95-2	0.0012% TO 0.0024%	Not Listed
• Trimethyldihydroquinoline_Antioxidant	26780-96-1	0.1% TO 1%	Not Listed
• Styrene-butadiene copolymer	9003-55-8	1% TO 5%	Not Listed
• OBTS	102-77-2	0.1% TO 1%	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	30% TO 60%	Not Listed
• Kaolin	1332-58-7	0.096% TO 0.12%	Not Listed
• Propionic acid	79-09-4	0.0024% TO 0.0122%	Not Listed
• Disproportionated Rosin	8050-09-7	0.1% TO 1%	Not Listed
• Naphthenic Oil	64742-52-5	8.28% TO 14.074%	Not Listed
• Carbon Black	1333-86-4	15% TO 40%	Not Listed
• Zinc oxide	1314-13-2	1% TO 5%	Not Listed
• Zinc diethyldithiocarbamate	14324-55-1	0.1% TO 1%	Not Listed
• N,N'-Diaryl-paraphenylene diamine mixture	68953-84-4	0.1% TO 1%	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	0.1% TO 1%	Not Listed
• Polyethylene	9002-88-4	0.1% TO 1%	Not Listed
• Sulfur homopolymer	9035-99-8	0.1% TO 1%	Not Listed

U.S. - OSHA - Specifically Regulated Chemicals

• Linoelic acid	60-33-3	0.098% TO 0.196%	Not Listed
• Calcium silicate	1344-95-2	0.0012% TO 0.0024%	Not Listed
• Trimethyldihydroquinoline_Antioxidant	26780-96-1	0.1% TO 1%	Not Listed
• Styrene-butadiene copolymer	9003-55-8	1% TO 5%	Not Listed
• OBTS	102-77-2	0.1% TO 1%	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	30% TO 60%	Not Listed
• Kaolin	1332-58-7	0.096% TO 0.12%	Not Listed
• Propionic acid	79-09-4	0.0024% TO 0.0122%	Not Listed
• Disproportionated Rosin	8050-09-7	0.1% TO 1%	Not Listed
• Naphthenic Oil	64742-52-5	8.28% TO 14.074%	Not Listed
• Carbon Black	1333-86-4	15% TO 40%	Not Listed
• Zinc oxide	1314-13-2	1% TO 5%	Not Listed
• Zinc diethyldithiocarbamate	14324-55-1	0.1% TO 1%	Not Listed
• N,N'-Diaryl-paraphenylene diamine mixture	68953-84-4	0.1% TO 1%	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	0.1% TO 1%	Not Listed
• Polyethylene	9002-88-4	0.1% TO 1%	Not Listed
• Sulfur homopolymer	9035-99-8	0.1% TO 1%	Not Listed

Environment

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

• Linoelic acid	60-33-3	0.098% TO 0.196%	Not Listed
• Calcium silicate	1344-95-2	0.0012% TO 0.0024%	Not Listed
• Trimethyldihydroquinoline_Antioxidant	26780-96-1	0.1% TO 1%	Not Listed
• Styrene-butadiene copolymer	9003-55-8	1% TO 5%	Not Listed
• OBTS	102-77-2	0.1% TO 1%	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	30% TO 60%	Not Listed
• Kaolin	1332-58-7	0.096% TO 0.12%	Not Listed
• Propionic acid	79-09-4	0.0024% TO 0.0122%	Not Listed
• Disproportionated Rosin	8050-09-7	0.1% TO 1%	Not Listed

• Naphthenic Oil	64742-52-5	8.28% TO 14.074%	Not Listed
• Carbon Black	1333-86-4	15% TO 40%	Not Listed
• Zinc oxide	1314-13-2	1% TO 5%	Not Listed
• Zinc diethyldithiocarbamate	14324-55-1	0.1% TO 1%	Not Listed
• N,N'-Diaryl-paraphenylene diamine mixture	68953-84-4	0.1% TO 1%	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	0.1% TO 1%	Not Listed
• Polyethylene	9002-88-4	0.1% TO 1%	Not Listed
• Sulfur homopolymer	9035-99-8	0.1% TO 1%	Not Listed

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

• Linoelic acid	60-33-3	0.098% TO 0.196%	Not Listed
• Calcium silicate	1344-95-2	0.0012% TO 0.0024%	Not Listed
• Trimethyldihydroquinoline_Antioxidant	26780-96-1	0.1% TO 1%	Not Listed
• Styrene-butadiene copolymer	9003-55-8	1% TO 5%	Not Listed
• OBTS	102-77-2	0.1% TO 1%	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	30% TO 60%	Not Listed
• Kaolin	1332-58-7	0.096% TO 0.12%	Not Listed
• Propionic acid	79-09-4	0.0024% TO 0.0122%	5000 lb final RQ; 2270 kg final RQ
• Disproportionated Rosin	8050-09-7	0.1% TO 1%	Not Listed
• Naphthenic Oil	64742-52-5	8.28% TO 14.074%	Not Listed
• Carbon Black	1333-86-4	15% TO 40%	Not Listed
• Zinc oxide	1314-13-2	1% TO 5%	Not Listed
• Zinc diethyldithiocarbamate	14324-55-1	0.1% TO 1%	Not Listed
• N,N'-Diaryl-paraphenylene diamine mixture	68953-84-4	0.1% TO 1%	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	0.1% TO 1%	Not Listed
• Polyethylene	9002-88-4	0.1% TO 1%	Not Listed
• Sulfur homopolymer	9035-99-8	0.1% TO 1%	Not Listed

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

• Linoelic acid	60-33-3	0.098% TO 0.196%	Not Listed
• Calcium silicate	1344-95-2	0.0012% TO 0.0024%	Not Listed
• Trimethyldihydroquinoline_Antioxidant	26780-96-1	0.1% TO 1%	Not Listed
• Styrene-butadiene copolymer	9003-55-8	1% TO 5%	Not Listed
• OBTS	102-77-2	0.1% TO 1%	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	30% TO 60%	Not Listed
• Kaolin	1332-58-7	0.096% TO 0.12%	Not Listed
• Propionic acid	79-09-4	0.0024% TO 0.0122%	Not Listed
• Disproportionated Rosin	8050-09-7	0.1% TO 1%	Not Listed
• Naphthenic Oil	64742-52-5	8.28% TO 14.074%	Not Listed
• Carbon Black	1333-86-4	15% TO 40%	Not Listed
• Zinc oxide	1314-13-2	1% TO 5%	Not Listed
• Zinc diethyldithiocarbamate	14324-55-1	0.1% TO 1%	Not Listed
• N,N'-Diaryl-paraphenylene diamine mixture	68953-84-4	0.1% TO 1%	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	0.1% TO 1%	Not Listed
• Polyethylene	9002-88-4	0.1% TO 1%	Not Listed
• Sulfur homopolymer	9035-99-8	0.1% TO 1%	Not Listed

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

• Linoelic acid	60-33-3	0.098% TO 0.196%	Not Listed
• Calcium silicate	1344-95-2	0.0012% TO 0.0024%	Not Listed
• Trimethyldihydroquinoline_Antioxidant	26780-96-1	0.1% TO 1%	Not Listed
• Styrene-butadiene copolymer	9003-55-8	1% TO 5%	Not Listed
• OBTS	102-77-2	0.1% TO 1%	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	30% TO 60%	Not Listed
• Kaolin	1332-58-7	0.096% TO 0.12%	Not Listed
• Propionic acid	79-09-4	0.0024% TO 0.0122%	Not Listed
• Disproportionated Rosin	8050-09-7	0.1% TO 1%	Not Listed
• Naphthenic Oil	64742-52-5	8.28% TO 14.074%	Not Listed
• Carbon Black	1333-86-4	15% TO 40%	Not Listed
• Zinc oxide	1314-13-2	1% TO 5%	Not Listed
• Zinc diethyldithiocarbamate	14324-55-1	0.1% TO 1%	Not Listed
• N,N'-Diaryl-paraphenylene diamine mixture	68953-84-4	0.1% TO 1%	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	0.1% TO 1%	Not Listed
• Polyethylene	9002-88-4	0.1% TO 1%	Not Listed
• Sulfur homopolymer	9035-99-8	0.1% TO 1%	Not Listed

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

• Linoelic acid	60-33-3	0.098% TO 0.196%	Not Listed
• Calcium silicate	1344-95-2	0.0012% TO 0.0024%	Not Listed
• Trimethyldihydroquinoline_Antioxidant	26780-96-1	0.1% TO 1%	Not Listed
• Styrene-butadiene copolymer	9003-55-8	1% TO 5%	Not Listed
• OBTS	102-77-2	0.1% TO 1%	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	30% TO 60%	Not Listed
• Kaolin	1332-58-7	0.096% TO 0.12%	Not Listed
• Propionic acid	79-09-4	0.0024% TO 0.0122%	Not Listed
• Disproportionated Rosin	8050-09-7	0.1% TO 1%	Not Listed
• Naphthenic Oil	64742-52-5	8.28% TO 14.074%	Not Listed
• Carbon Black	1333-86-4	15% TO 40%	Not Listed
• Zinc oxide	1314-13-2	1% TO 5%	Not Listed
• Zinc diethyldithiocarbamate	14324-55-1	0.1% TO 1%	Not Listed
• N,N'-Diaryl-paraphenylene diamine mixture	68953-84-4	0.1% TO 1%	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	0.1% TO 1%	Not Listed
• Polyethylene	9002-88-4	0.1% TO 1%	Not Listed
• Sulfur homopolymer	9035-99-8	0.1% TO 1%	Not Listed

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

• Linoelic acid	60-33-3	0.098% TO 0.196%	Not Listed
• Calcium silicate	1344-95-2	0.0012% TO 0.0024%	Not Listed
• Trimethyldihydroquinoline_Antioxidant	26780-96-1	0.1% TO 1%	Not Listed
• Styrene-butadiene copolymer	9003-55-8	1% TO 5%	Not Listed
• OBTS	102-77-2	0.1% TO 1%	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	30% TO 60%	Not Listed
• Kaolin	1332-58-7	0.096% TO 0.12%	Not Listed
• Propionic acid	79-09-4	0.0024% TO 0.0122%	Not Listed
• Disproportionated Rosin	8050-09-7	0.1% TO 1%	Not Listed
• Naphthenic Oil	64742-52-5	8.28% TO 14.074%	Not Listed

• Carbon Black	1333-86-4	15% TO 40%	Not Listed
• Zinc oxide	1314-13-2	1% TO 5%	Not Listed
• Zinc diethyldithiocarbamate	14324-55-1	0.1% TO 1%	Not Listed
• N,N'-Diaryl-paraphenylene diamine mixture	68953-84-4	0.1% TO 1%	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	0.1% TO 1%	Not Listed
• Polyethylene	9002-88-4	0.1% TO 1%	Not Listed
• Sulfur homopolymer	9035-99-8	0.1% TO 1%	Not Listed

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

• Linoelic acid	60-33-3	0.098% TO 0.196%	Not Listed
• Calcium silicate	1344-95-2	0.0012% TO 0.0024%	Not Listed
• Trimethyldihydroquinoline_Antioxidant	26780-96-1	0.1% TO 1%	Not Listed
• Styrene-butadiene copolymer	9003-55-8	1% TO 5%	Not Listed
• OBTS	102-77-2	0.1% TO 1%	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	30% TO 60%	Not Listed
• Kaolin	1332-58-7	0.096% TO 0.12%	Not Listed
• Propionic acid	79-09-4	0.0024% TO 0.0122%	Not Listed
• Disproportionated Rosin	8050-09-7	0.1% TO 1%	Not Listed
• Naphthenic Oil	64742-52-5	8.28% TO 14.074%	Not Listed
• Carbon Black	1333-86-4	15% TO 40%	Not Listed
• Zinc oxide	1314-13-2	1% TO 5%	Not Listed
• Zinc diethyldithiocarbamate	14324-55-1	0.1% TO 1%	Not Listed
• N,N'-Diaryl-paraphenylene diamine mixture	68953-84-4	0.1% TO 1%	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	0.1% TO 1%	Not Listed
• Polyethylene	9002-88-4	0.1% TO 1%	Not Listed
• Sulfur homopolymer	9035-99-8	0.1% TO 1%	Not Listed

U.S. - RCRA (Resource Conservation & Recovery Act) - F Series Wastes - Wastes from Nonspecific Sources

• Linoelic acid	60-33-3	0.098% TO 0.196%	Not Listed
• Calcium silicate	1344-95-2	0.0012% TO 0.0024%	Not Listed
• Trimethyldihydroquinoline_Antioxidant	26780-96-1	0.1% TO 1%	Not Listed
• Styrene-butadiene copolymer	9003-55-8	1% TO 5%	Not Listed
• OBTS	102-77-2	0.1% TO 1%	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	30% TO 60%	Not Listed
• Kaolin	1332-58-7	0.096% TO 0.12%	Not Listed
• Propionic acid	79-09-4	0.0024% TO 0.0122%	Not Listed
• Disproportionated Rosin	8050-09-7	0.1% TO 1%	Not Listed
• Naphthenic Oil	64742-52-5	8.28% TO 14.074%	Not Listed
• Carbon Black	1333-86-4	15% TO 40%	Not Listed
• Zinc oxide	1314-13-2	1% TO 5%	Not Listed
• Zinc diethyldithiocarbamate	14324-55-1	0.1% TO 1%	Not Listed
• N,N'-Diaryl-paraphenylene diamine mixture	68953-84-4	0.1% TO 1%	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	0.1% TO 1%	Not Listed
• Polyethylene	9002-88-4	0.1% TO 1%	Not Listed
• Sulfur homopolymer	9035-99-8	0.1% TO 1%	Not Listed

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

• Linoelic acid	60-33-3	0.098% TO 0.196%	Not Listed
• Calcium silicate	1344-95-2	0.0012% TO 0.0024%	Not Listed
• Trimethyldihydroquinoline_Antioxidant	26780-96-1	0.1% TO 1%	Not Listed
• Styrene-butadiene copolymer	9003-55-8	1% TO 5%	Not Listed
• OBTS	102-77-2	0.1% TO 1%	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	30% TO 60%	Not Listed
• Kaolin	1332-58-7	0.096% TO 0.12%	Not Listed
• Propionic acid	79-09-4	0.0024% TO 0.0122%	Not Listed
• Disproportionated Rosin	8050-09-7	0.1% TO 1%	Not Listed
• Naphthenic Oil	64742-52-5	8.28% TO 14.074%	Not Listed
• Carbon Black	1333-86-4	15% TO 40%	Not Listed
• Zinc oxide	1314-13-2	1% TO 5%	Not Listed
• Zinc diethyldithiocarbamate	14324-55-1	0.1% TO 1%	hazardous constituent - no waste number
• N,N'-Diaryl-paraphenylene diamine mixture	68953-84-4	0.1% TO 1%	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	0.1% TO 1%	Not Listed
• Polyethylene	9002-88-4	0.1% TO 1%	Not Listed
• Sulfur homopolymer	9035-99-8	0.1% TO 1%	Not Listed

United States - California

Environment

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

• Linoelic acid	60-33-3	0.098% TO 0.196%	Not Listed
• Calcium silicate	1344-95-2	0.0012% TO 0.0024%	Not Listed
• Trimethyldihydroquinoline_Antioxidant	26780-96-1	0.1% TO 1%	Not Listed
• Styrene-butadiene copolymer	9003-55-8	1% TO 5%	Not Listed
• OBTS	102-77-2	0.1% TO 1%	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	30% TO 60%	Not Listed
• Kaolin	1332-58-7	0.096% TO 0.12%	Not Listed
• Propionic acid	79-09-4	0.0024% TO 0.0122%	Not Listed
• Disproportionated Rosin	8050-09-7	0.1% TO 1%	Not Listed
• Naphthenic Oil	64742-52-5	8.28% TO 14.074%	Not Listed
• Carbon Black	1333-86-4	15% TO 40%	carcinogen, initial date 2/21/03 (airborne, unbound particles of respirable size)
• Zinc oxide	1314-13-2	1% TO 5%	Not Listed
• Zinc diethyldithiocarbamate	14324-55-1	0.1% TO 1%	Not Listed
• N,N'-Diaryl-paraphenylene diamine mixture	68953-84-4	0.1% TO 1%	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	0.1% TO 1%	Not Listed
• Polyethylene	9002-88-4	0.1% TO 1%	Not Listed
• Sulfur homopolymer	9035-99-8	0.1% TO 1%	Not Listed

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

• Linoelic acid	60-33-3	0.098% TO 0.196%	Not Listed
• Calcium silicate	1344-95-2	0.0012% TO 0.0024%	Not Listed
• Trimethyldihydroquinoline_Antioxidant	26780-96-1	0.1% TO 1%	Not Listed
• Styrene-butadiene copolymer	9003-55-8	1% TO 5%	Not Listed
• OBTS	102-77-2	0.1% TO 1%	Not Listed

• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	30% TO 60%	Not Listed
• Kaolin	1332-58-7	0.096% TO 0.12%	Not Listed
• Propionic acid	79-09-4	0.0024% TO 0.0122%	Not Listed
• Disproportionated Rosin	8050-09-7	0.1% TO 1%	Not Listed
• Naphthenic Oil	64742-52-5	8.28% TO 14.074%	Not Listed
• Carbon Black	1333-86-4	15% TO 40%	Not Listed
• Zinc oxide	1314-13-2	1% TO 5%	Not Listed
• Zinc diethyldithiocarbamate	14324-55-1	0.1% TO 1%	Not Listed
• N,N'-Diaryl-paraphenylene diamine mixture	68953-84-4	0.1% TO 1%	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	0.1% TO 1%	Not Listed
• Polyethylene	9002-88-4	0.1% TO 1%	Not Listed
• Sulfur homopolymer	9035-99-8	0.1% TO 1%	Not Listed

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

• Linoelic acid	60-33-3	0.098% TO 0.196%	Not Listed
• Calcium silicate	1344-95-2	0.0012% TO 0.0024%	Not Listed
• Trimethyldihydroquinoline__Antioxidant	26780-96-1	0.1% TO 1%	Not Listed
• Styrene-butadiene copolymer	9003-55-8	1% TO 5%	Not Listed
• OBTS	102-77-2	0.1% TO 1%	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	30% TO 60%	Not Listed
• Kaolin	1332-58-7	0.096% TO 0.12%	Not Listed
• Propionic acid	79-09-4	0.0024% TO 0.0122%	Not Listed
• Disproportionated Rosin	8050-09-7	0.1% TO 1%	Not Listed
• Naphthenic Oil	64742-52-5	8.28% TO 14.074%	Not Listed
• Carbon Black	1333-86-4	15% TO 40%	Not Listed
• Zinc oxide	1314-13-2	1% TO 5%	Not Listed
• Zinc diethyldithiocarbamate	14324-55-1	0.1% TO 1%	Not Listed
• N,N'-Diaryl-paraphenylene diamine mixture	68953-84-4	0.1% TO 1%	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	0.1% TO 1%	Not Listed
• Polyethylene	9002-88-4	0.1% TO 1%	Not Listed
• Sulfur homopolymer	9035-99-8	0.1% TO 1%	Not Listed

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

• Linoelic acid	60-33-3	0.098% TO 0.196%	Not Listed
• Calcium silicate	1344-95-2	0.0012% TO 0.0024%	Not Listed
• Trimethyldihydroquinoline__Antioxidant	26780-96-1	0.1% TO 1%	Not Listed
• Styrene-butadiene copolymer	9003-55-8	1% TO 5%	Not Listed
• OBTS	102-77-2	0.1% TO 1%	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	30% TO 60%	Not Listed
• Kaolin	1332-58-7	0.096% TO 0.12%	Not Listed
• Propionic acid	79-09-4	0.0024% TO 0.0122%	Not Listed
• Disproportionated Rosin	8050-09-7	0.1% TO 1%	Not Listed
• Naphthenic Oil	64742-52-5	8.28% TO 14.074%	Not Listed
• Carbon Black	1333-86-4	15% TO 40%	Not Listed
• Zinc oxide	1314-13-2	1% TO 5%	Not Listed
• Zinc diethyldithiocarbamate	14324-55-1	0.1% TO 1%	Not Listed
• N,N'-Diaryl-paraphenylene diamine mixture	68953-84-4	0.1% TO 1%	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	0.1% TO 1%	Not Listed
• Polyethylene	9002-88-4	0.1% TO 1%	Not Listed

• Sulfur homopolymer	9035-99-8	0.1% TO 1%	Not Listed
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U.S. - California - Proposition 65 - Reproductive Toxicity - Female

• Linoelic acid	60-33-3	0.098% TO 0.196%	Not Listed
• Calcium silicate	1344-95-2	0.0012% TO 0.0024%	Not Listed
• Trimethyldihydroquinoline_Antioxidant	26780-96-1	0.1% TO 1%	Not Listed
• Styrene-butadiene copolymer	9003-55-8	1% TO 5%	Not Listed
• OBTS	102-77-2	0.1% TO 1%	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	30% TO 60%	Not Listed
• Kaolin	1332-58-7	0.096% TO 0.12%	Not Listed
• Propionic acid	79-09-4	0.0024% TO 0.0122%	Not Listed
• Disproportionated Rosin	8050-09-7	0.1% TO 1%	Not Listed
• Naphthenic Oil	64742-52-5	8.28% TO 14.074%	Not Listed
• Carbon Black	1333-86-4	15% TO 40%	Not Listed
• Zinc oxide	1314-13-2	1% TO 5%	Not Listed
• Zinc diethyldithiocarbamate	14324-55-1	0.1% TO 1%	Not Listed
• N,N'-Diaryl-paraphenylene diamine mixture	68953-84-4	0.1% TO 1%	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	0.1% TO 1%	Not Listed
• Polyethylene	9002-88-4	0.1% TO 1%	Not Listed
• Sulfur homopolymer	9035-99-8	0.1% TO 1%	Not Listed

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

• Linoelic acid	60-33-3	0.098% TO 0.196%	Not Listed
• Calcium silicate	1344-95-2	0.0012% TO 0.0024%	Not Listed
• Trimethyldihydroquinoline_Antioxidant	26780-96-1	0.1% TO 1%	Not Listed
• Styrene-butadiene copolymer	9003-55-8	1% TO 5%	Not Listed
• OBTS	102-77-2	0.1% TO 1%	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	30% TO 60%	Not Listed
• Kaolin	1332-58-7	0.096% TO 0.12%	Not Listed
• Propionic acid	79-09-4	0.0024% TO 0.0122%	Not Listed
• Disproportionated Rosin	8050-09-7	0.1% TO 1%	Not Listed
• Naphthenic Oil	64742-52-5	8.28% TO 14.074%	Not Listed
• Carbon Black	1333-86-4	15% TO 40%	Not Listed
• Zinc oxide	1314-13-2	1% TO 5%	Not Listed
• Zinc diethyldithiocarbamate	14324-55-1	0.1% TO 1%	Not Listed
• N,N'-Diaryl-paraphenylene diamine mixture	68953-84-4	0.1% TO 1%	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	0.1% TO 1%	Not Listed
• Polyethylene	9002-88-4	0.1% TO 1%	Not Listed
• Sulfur homopolymer	9035-99-8	0.1% TO 1%	Not Listed

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

• Linoelic acid	60-33-3	0.098% TO 0.196%	Not Listed
• Calcium silicate	1344-95-2	0.0012% TO 0.0024%	Not Listed

• Trimethyldihydroquinoline_Antioxidant	26780-96-1	0.1% TO 1%	Not Listed
• Styrene-butadiene copolymer	9003-55-8	1% TO 5%	Not Listed
• OBTS	102-77-2	0.1% TO 1%	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	30% TO 60%	Not Listed
• Kaolin	1332-58-7	0.096% TO 0.12%	Not Listed
• Propionic acid	79-09-4	0.0024% TO 0.0122%	
• Disproportionated Rosin	8050-09-7	0.1% TO 1%	Not Listed
• Naphthenic Oil	64742-52-5	8.28% TO 14.074%	Not Listed
• Carbon Black	1333-86-4	15% TO 40%	Not Listed
• Zinc oxide	1314-13-2	1% TO 5%	(fume)
• Zinc diethyldithiocarbamate	14324-55-1	0.1% TO 1%	Not Listed
• N,N'-Diaryl-paraphenylene diamine mixture	68953-84-4	0.1% TO 1%	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	0.1% TO 1%	Not Listed
• Polyethylene	9002-88-4	0.1% TO 1%	Not Listed
• Sulfur homopolymer	9035-99-8	0.1% TO 1%	Not Listed

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

• Linoelic acid	60-33-3	0.098% TO 0.196%	Not Listed
• Calcium silicate	1344-95-2	0.0012% TO 0.0024%	Not Listed
• Trimethyldihydroquinoline_Antioxidant	26780-96-1	0.1% TO 1%	Not Listed
• Styrene-butadiene copolymer	9003-55-8	1% TO 5%	Not Listed
• OBTS	102-77-2	0.1% TO 1%	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	30% TO 60%	Not Listed
• Kaolin	1332-58-7	0.096% TO 0.12%	Not Listed
• Propionic acid	79-09-4	0.0024% TO 0.0122%	Not Listed
• Disproportionated Rosin	8050-09-7	0.1% TO 1%	Not Listed
• Naphthenic Oil	64742-52-5	8.28% TO 14.074%	Not Listed
• Carbon Black	1333-86-4	15% TO 40%	Not Listed
• Zinc oxide	1314-13-2	1% TO 5%	Not Listed
• Zinc diethyldithiocarbamate	14324-55-1	0.1% TO 1%	Not Listed
• N,N'-Diaryl-paraphenylene diamine mixture	68953-84-4	0.1% TO 1%	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	0.1% TO 1%	Not Listed
• Polyethylene	9002-88-4	0.1% TO 1%	Not Listed
• Sulfur homopolymer	9035-99-8	0.1% TO 1%	Not Listed

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• Linoelic acid	60-33-3	0.098% TO 0.196%	Not Listed
• Calcium silicate	1344-95-2	0.0012% TO 0.0024%	Toxic
• Trimethyldihydroquinoline_Antioxidant	26780-96-1	0.1% TO 1%	Not Listed
• Styrene-butadiene copolymer	9003-55-8	1% TO 5%	Not Listed
• OBTS	102-77-2	0.1% TO 1%	Not Listed
• 1,3-Butadiene, 2-methyl-, oligomer	9003-31-0	30% TO 60%	Not Listed
• Kaolin	1332-58-7	0.096% TO 0.12%	Toxic
• Propionic acid	79-09-4	0.0024% TO 0.0122%	Toxic; Flammable
• Disproportionated Rosin	8050-09-7	0.1% TO 1%	Not Listed

• Naphthenic Oil	64742-52-5	8.28% TO 14.074%	Not Listed
• Carbon Black	1333-86-4	15% TO 40%	Toxic
• Zinc oxide	1314-13-2	1% TO 5%	Toxic
• Zinc diethyldithiocarbamate	14324-55-1	0.1% TO 1%	Not Listed
• N,N'-Diaryl-paraphenylene diamine mixture	68953-84-4	0.1% TO 1%	Not Listed
• 2,2'-Dibenzamido diphenyl disulfite	135-57-9	0.1% TO 1%	Not Listed
• Polyethylene	9002-88-4	0.1% TO 1%	Not Listed
• Sulfur homopolymer	9035-99-8	0.1% TO 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
- H317 - May cause an allergic skin reaction
- H319 - Causes serious eye irritation
- H335 - May cause respiratory irritation
- H350 - May cause cancer.
- H400 - Very toxic to aquatic life
- H410 - Very toxic to aquatic life with long lasting effects
- H411 - Toxic to aquatic life with long lasting effects
- R22 - Harmful if swallowed.
- R34 - Causes burns.
- R36/37 - Irritating to eyes and respiratory system.
- R36/38 - Irritating to eyes and skin.
- R36/37/38 - Irritating to eyes, respiratory system and skin.
- R38 - Irritating to skin.
- R43 - May cause sensitisation by skin contact.
- R45 - May cause cancer.
- R51 - Toxic to aquatic organisms.
- R50 - Very toxic to aquatic organisms.

Last Revision Date

- 22/February/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

