

Safety Data Sheet



Section 1: Identification

Product identifier

- Product Name** • **Repair String**
Product Code • 15-058; 15-061; 15-158

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

- Recommended use** • Temporary tire repair

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

Emergency telephone number

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

Section 2: Hazard Identification

United States (US)

According to OSHA 29 CFR 1910.1200 HCS

Classification of the substance or mixture

- OSHA HCS 2012** • Skin Sensitization 1 - H317
Carcinogenicity 1B - H350
Specific Target Organ Toxicity Repeated Exposure 1 - H372

Label elements

OSHA HCS 2012

DANGER



- Hazard statements** • May cause an allergic skin reaction - H317
May cause cancer. - H350
Causes damage to organs -CNS, Blood, Kidney through prolonged or repeated exposure - H372

Precautionary statements

- Prevention**
 - Obtain special instructions before use. - P201
 - Do not handle until all safety precautions have been read and understood. - P202
 - Avoid breathing dust. - P261
 - Wash thoroughly after handling. - P264
 - Do not eat, drink or smoke when using this product. - P270
 - 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: Gently wash with plenty of soap and water. - P302+P350
 - Specific treatment, see supplemental first aid information. - P321
 - If skin irritation or rash occurs: Get medical advice/attention. - P333+P313
 - Wash contaminated clothing before reuse. - P363
 - IF exposed or concerned: Get medical advice/attention. - P308+P313
 - Get medical advice/attention if you feel unwell. - P314
- Storage/Disposal**
 - Store locked up. - P405
 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. - P501

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

Classification of the substance or mixture

WHMIS

- Toxic - D1B
- Other Toxic Effects - D2A

Label elements

WHMIS



- Toxic - D1B
- Other Toxic Effects - D2A

Other hazards

WHMIS

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

See Section 12 for Ecological Information.

Section 3 - Composition/Information on Ingredients

Substances

- Material does not meet the criteria of a substance.

Mixtures

Composition					
Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive	Comments

Mineral oil	CAS:8012-95-1 EINECS:232-384-2	10% TO 30%	NDA	OSHA HCS 2012: Eye Irrit. 2B	NDA
Lead tetroxide	CAS:1314-41-6 EINECS:215-235-6	3% TO 7%	NDA	OSHA HCS 2012: Carc. 1B; STOT RE 1 (CNS, Blood, Kidney)	NDA
Carbon Black	CAS:1333-86-4 EC Number:215-609-9	0% TO 3%	Ingestion/Oral-Rat LD50 • >15400 mg/kg Skin-Rabbit LD50 • >3 g/kg	OSHA HCS 2012: Carc. 2	NDA
p-Benzoquinone, dioxime	CAS:105-11-3 EINECS:203-271-5	0.5% TO 1.5%	Ingestion/Oral-Rat LD50 • 464 mg/kg	OSHA HCS 2012: Acute Tox. 4 (orl)	NDA
Disulfide, bis (dimethylthiocarbamoyl)	CAS:137-26-8 EC Number:205-286-2	0.5% TO 1.5%	Ingestion/Oral-Rat LD50 • 560 mg/kg Inhalation-Rat LC50 • 500 mg/m ³ 4 Hour(s)	OSHA HCS 2012: Eye Irrit. 2; Skin Irrit. 2; STOT SE 3 (Resp.); Skin Sens. 1; Acute Tox. 4 (orl, inhl)	NDA
Phenol, p-nitroso-	CAS:104-91-6 EC Number:203-251-6	0% TO 1%	NDA	OSHA HCS 2012: Skin Irrit. 2, Skin Sens. 1B	NDA
Isoprene	CAS:78-79-5 EC Number:201-143-3	0% TO 1%	Inhalation-Rat LC50 • 180 g/m ³ 4 Hour(s)	OSHA HCS 2012: Skin Irrit. 2; Eye Irrit. 2; Carc. 2	NDA
1-Propene, 2-methyl-	CAS:115-11-7 EC Number:204-066-3	0% TO 1%	Inhalation-Rat LC50 • 550000 mg/m ³ 4 Hour (s)	OSHA HCS 2012: Flam. Gas 1	NDA

See Section 11 for Toxicological Information.

Section 4: First-Aid Measures

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. If signs/symptoms develop, get medical attention.

Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

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: Fire-Fighting Measures

Extinguishing media

Suitable Extinguishing Media • LARGE FIRE: Water spray, fog or regular foam.
SMALL FIRES: Dry chemical, CO2, water spray or regular foam.

Unsuitable Extinguishing Media • No data available.

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.

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

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.

Environmental precautions

- Avoid run off to waterways and sewers.

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.

Reference to other sections

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

Section 7 - Handling and Storage

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.

Conditions for safe storage, including any incompatibilities

Storage • Ventilate enclosed areas.

Specific end use(s)

- Refer to Section 1.2 - Relevant identified uses.

Section 8 - Exposure Controls/Personal Protection

Control parameters

Exposure Limits/Guidelines						
	Result	ACGIH	Canada Ontario	Canada Quebec	NIOSH	OSHA
1-Propene, 2-methyl- (115-11-7)	TWAs	250 ppm TWA (listed under Butenes, all isomers)	250 ppm TWA (listed under Butenes, all isomers)	Not established	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	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
Disulfide, bis (dimethylthiocarbamoyl) (137-26-8)	TWAs	0.05 mg/m3 TWA (inhalable fraction and vapor)	0.05 mg/m3 TWA (inhalable fraction and vapor, listed under Thiram)	5 mg/m3 TWAEV	5 mg/m3 TWA	5 mg/m3 TWA
Mineral oil (8012-95-1)	STELs	Not established	10 mg/m3 STEL (mist)	10 mg/m3 STEV (mist)	10 mg/m3 STEL	Not established
	TWAs	5 mg/m3 TWA (excluding metal working fluids, highly & severely refined, inhalable fraction)	5 mg/m3 TWA	5 mg/m3 TWAEV (mist)	5 mg/m3 TWA	5 mg/m3 TWA

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

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

NIOSH = National Institute of Occupational Safety and Health

TWAEV = Time-Weighted Average Exposure Value

OSHA = Occupational Safety and Health Administration

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

Section 9 - Physical and Chemical Properties

Information on Physical and Chemical Properties

Material Description			
Physical Form	Solid	Appearance/Description	Brown or black solid rubber with string-like appearance with a characteristic rubber odor.
Color	Brown or 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	Data lacking	Water Solubility	Data lacking
Viscosity	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		

Section 10: Stability and Reactivity

Reactivity

- No dangerous reaction known under conditions of normal use.

Chemical stability

- Stable

Possibility of hazardous reactions

- Hazardous polymerization will not occur.

Conditions to avoid

- No data available.

Incompatible materials

- No data available

Hazardous decomposition products

- No data available

Section 11 - Toxicological Information

Information on toxicological effects

Component Name	CAS	Data
Isoprene (0% TO 1%)	78-79-5	Acute Toxicity: ihl-rat LC50:180 gm/m ³ /4H; Reproductive: ihl-rat TCLo:7000 ppm (6-19D preg); Tumorigen/Carcinogen: ihl-rat TCLo:220 ppm/6H/2Y-I
1-Propene, 2-methyl- (0% TO 1%)	115-11-7	Acute Toxicity: ihl-rat LC50:550000 mg/m ³ /4H
Mineral oil (10% TO 30%)	8012-95-1	Acute Toxicity: orl-rat LD50:>24 gm/kg; ihl-rat LC50:2062 ppm/4H; Irritation: eye-rbt 100 mg/1H MLD; skn-rbt 100 mg/24H MLD
p-Benzoquinone, dioxime (0.5% TO 1.5%)	105-11-3	Acute Toxicity: orl-rat LD50:464 mg/kg; Tumorigen/Carcinogen: orl-rat TDLo:14 gm/kg/2Y-C
Disulfide, bis(dimethylthiocarbamoyl) (0.5% TO 1.5%)	137-26-8	Acute Toxicity: orl-rat LD50:560 mg/kg; ihl-rat LC50:500 mg/m ³ /4H; Irritation: eye-rbt 100 mg/24H MOD; Reproductive: orl-ham TDLo:125 mg/kg (7D preg)

Carbon Black (0% TO 3%)	1333-86-4	Acute Toxicity: orl-rat LD50:>15400 mg/kg; Tumorigen/Carcinogen: inh-rat TCLo:11600 ug/m3/18H/2Y-1
GHS Properties	Classification	
Acute toxicity	OSHA HCS 2012 • Classification criteria not met	
Aspiration Hazard	OSHA HCS 2012 • Classification criteria not met	
Carcinogenicity	OSHA HCS 2012 • Carcinogenicity 1B	
Germ Cell Mutagenicity	OSHA HCS 2012 • Classification criteria not met	
Skin corrosion/Irritation	OSHA HCS 2012 • Classification criteria not met	
Skin sensitization	OSHA HCS 2012 • Skin Sensitizer 1	
STOT-RE	OSHA HCS 2012 • Specific Target Organ Toxicity Repeated Exposure 1	
STOT-SE	OSHA HCS 2012 • Classification criteria not met	
Toxicity for Reproduction	OSHA HCS 2012 • Classification criteria not met	
Respiratory sensitization	OSHA HCS 2012 • Classification criteria not met	
Serious eye damage/Irritation	OSHA HCS 2012 • Classification criteria not met	

Target Organs • Central Nervous System (CNS), Blood, Kidney

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

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.

Other

- Chronic (Delayed)** • Repeated or prolonged exposure to processing fumes may effect the central nervous system, blood, and/or kidneys.

Carcinogenic Effects

- Hot processing (e.g. milling, extrusion, curing, etc.) can release fumes and other volatiles which may cause cancer.

Carcinogenic Effects			
	CAS	IARC	NTP
Carbon Black	1333-86-4	Group 2B-Possible Carcinogen	Not Listed
Isoprene	78-79-5	Group 2B-Possible Carcinogen	Reasonably Anticipated to be Human Carcinogen
Lead tetroxide	1314-41-6	Group 2A-Probable 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

Toxicity

- Material data lacking.

Persistence and degradability

- Material data lacking.

Bioaccumulative potential

- Material data lacking.

Mobility in Soil

- Material data lacking.

Other adverse effects

- No studies have been found.

Section 13 - Disposal Considerations

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

Special precautions for user

- None known.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

- Not relevant.

Section 15 - Regulatory Information

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

SARA Hazard Classifications • Acute, Chronic

State Right To Know				
Component	CAS	MA	NJ	PA
Isobutylene-Isoprene polymer	9010-85-9	No	No	No
Isoprene	78-79-5	Yes	Yes	Yes
1-Propene, 2-methyl-	115-11-7	Yes	Yes	Yes
Polybutene	9003-29-6	No	No	No
Mineral oil	8012-95-1	Yes	Yes	Yes
Lead tetroxide	1314-41-6	Yes	Yes	No
p-Benzoquinone, dioxime	105-11-3	Yes	No	No
Phenol, p-nitroso-	104-91-6	No	No	No
Disulfide, bis (dimethylthiocarbamoyl)	137-26-8	Yes	Yes	Yes
White mineral oil	8042-47-5	No	No	No
Carbon Black	1333-86-4	Yes	Yes	Yes

Inventory				
Component	CAS	Canada DSL	Canada NDSL	TSCA
Isobutylene-Isoprene polymer	9010-85-9	Yes	No	Yes
Isoprene	78-79-5	Yes	No	Yes
1-Propene, 2-methyl-	115-11-7	Yes	No	Yes
Polybutene	9003-29-6	Yes	No	Yes
Mineral oil	8012-95-1	Yes	No	Yes
Lead tetroxide	1314-41-6	Yes	No	Yes
p-Benzoquinone, dioxime	105-11-3	Yes	No	Yes
Phenol, p-nitroso-	104-91-6	No	Yes	Yes
Disulfide, bis (dimethylthiocarbamoyl)	137-26-8	Yes	No	Yes
White mineral oil	8042-47-5	Yes	No	Yes
Carbon Black	1333-86-4	Yes	No	Yes

Canada

Labor

Canada - WHMIS - Classifications of Substances

- Isobutylene-Isoprene polymer 9010-85-9 Not Listed
- Isoprene 78-79-5 Not Listed
- 1-Propene, 2-methyl- 115-11-7 Not Listed
- p-Benzoquinone, dioxime 105-11-3 Not Listed
- Phenol, p-nitroso- 104-91-6 Not Listed
- Lead tetroxide 1314-41-6 D2A
- Disulfide, bis (dimethylthiocarbamoyl) 137-26-8 Not Listed

- | | | |
|---------------------|-----------|---|
| | | 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.) |
| • Carbon Black | 1333-86-4 | |
| • White mineral oil | 8042-47-5 | Uncontrolled product according to WHMIS classification criteria |
| • Polybutene | 9003-29-6 | Uncontrolled product according to WHMIS classification criteria |
| • Mineral oil | 8012-95-1 | Uncontrolled product according to WHMIS classification criteria |

Canada - WHMIS - Ingredient Disclosure List

- | | | |
|---|-----------|------------|
| • Isobutylene-Isoprene polymer | 9010-85-9 | Not Listed |
| • Isoprene | 78-79-5 | 1 % |
| • 1-Propene, 2-methyl- | 115-11-7 | Not Listed |
| • p-Benzoquinone, dioxime | 105-11-3 | Not Listed |
| • Phenol, p-nitroso- | 104-91-6 | Not Listed |
| • Lead tetroxide | 1314-41-6 | Not Listed |
| • Disulfide, bis(dimethylthiocarbamoyl) | 137-26-8 | 1 % |
| • Carbon Black | 1333-86-4 | 1 % |
| • White mineral oil | 8042-47-5 | Not Listed |
| • Polybutene | 9003-29-6 | Not Listed |
| • Mineral oil | 8012-95-1 | 1 % |

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

- | | | |
|---|-----------|------------|
| • Isobutylene-Isoprene polymer | 9010-85-9 | Not Listed |
| • Isoprene | 78-79-5 | Not Listed |
| • 1-Propene, 2-methyl- | 115-11-7 | Not Listed |
| • p-Benzoquinone, dioxime | 105-11-3 | Not Listed |
| • Phenol, p-nitroso- | 104-91-6 | Not Listed |
| • Lead tetroxide | 1314-41-6 | Not Listed |
| • Disulfide, bis(dimethylthiocarbamoyl) | 137-26-8 | Not Listed |
| • Carbon Black | 1333-86-4 | Not Listed |
| • White mineral oil | 8042-47-5 | Not Listed |
| • Polybutene | 9003-29-6 | Not Listed |
| • Mineral oil | 8012-95-1 | Not Listed |

United States**Labor****U.S. - OSHA - Process Safety Management - Highly Hazardous Chemicals**

- | | | |
|---|-----------|------------|
| • Isobutylene-Isoprene polymer | 9010-85-9 | Not Listed |
| • Isoprene | 78-79-5 | Not Listed |
| • 1-Propene, 2-methyl- | 115-11-7 | Not Listed |
| • p-Benzoquinone, dioxime | 105-11-3 | Not Listed |
| • Phenol, p-nitroso- | 104-91-6 | Not Listed |
| • Lead tetroxide | 1314-41-6 | Not Listed |
| • Disulfide, bis(dimethylthiocarbamoyl) | 137-26-8 | Not Listed |
| • Carbon Black | 1333-86-4 | Not Listed |
| • White mineral oil | 8042-47-5 | Not Listed |
| • Polybutene | 9003-29-6 | Not Listed |
| • Mineral oil | 8012-95-1 | Not Listed |

U.S. - OSHA - Specifically Regulated Chemicals

- | | | |
|--------------------------------|-----------|------------|
| • Isobutylene-Isoprene polymer | 9010-85-9 | Not Listed |
| • Isoprene | 78-79-5 | Not Listed |
| • 1-Propene, 2-methyl- | 115-11-7 | Not Listed |

• p-Benzoquinone, dioxime	105-11-3	Not Listed
• Phenol, p-nitroso-	104-91-6	Not Listed
• Lead tetroxide	1314-41-6	Not Listed
• Disulfide, bis(dimethylthiocarbamoyl)	137-26-8	Not Listed
• Carbon Black	1333-86-4	Not Listed
• White mineral oil	8042-47-5	Not Listed
• Polybutene	9003-29-6	Not Listed
• Mineral oil	8012-95-1	Not Listed

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

• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	Not Listed
• 1-Propene, 2-methyl-	115-11-7	Not Listed
• p-Benzoquinone, dioxime	105-11-3	Not Listed
• Phenol, p-nitroso-	104-91-6	Not Listed
• Lead tetroxide	1314-41-6	Not Listed
• Disulfide, bis(dimethylthiocarbamoyl)	137-26-8	Not Listed
• Carbon Black	1333-86-4	Not Listed
• White mineral oil	8042-47-5	Not Listed
• Polybutene	9003-29-6	Not Listed
• Mineral oil	8012-95-1	Not Listed

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

• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	100 lb final RQ; 45.4 kg final RQ
• 1-Propene, 2-methyl-	115-11-7	Not Listed
• p-Benzoquinone, dioxime	105-11-3	Not Listed
• Phenol, p-nitroso-	104-91-6	Not Listed
• Lead tetroxide	1314-41-6	Not Listed
• Disulfide, bis(dimethylthiocarbamoyl)	137-26-8	10 lb final RQ; 4.54 kg final RQ
• Carbon Black	1333-86-4	Not Listed
• White mineral oil	8042-47-5	Not Listed
• Polybutene	9003-29-6	Not Listed
• Mineral oil	8012-95-1	Not Listed

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

• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	Not Listed
• 1-Propene, 2-methyl-	115-11-7	Not Listed
• p-Benzoquinone, dioxime	105-11-3	Not Listed
• Phenol, p-nitroso-	104-91-6	Not Listed
• Lead tetroxide	1314-41-6	Not Listed
• Disulfide, bis(dimethylthiocarbamoyl)	137-26-8	Not Listed
• Carbon Black	1333-86-4	Not Listed
• White mineral oil	8042-47-5	Not Listed
• Polybutene	9003-29-6	Not Listed
• Mineral oil	8012-95-1	Not Listed

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

• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	Not Listed
• 1-Propene, 2-methyl-	115-11-7	Not Listed
• p-Benzoquinone, dioxime	105-11-3	Not Listed

- Phenol, p-nitroso- 104-91-6 Not Listed
- Lead tetroxide 1314-41-6 Not Listed
- Disulfide, bis(dimethylthiocarbamoyl) 137-26-8 Not Listed
- Carbon Black 1333-86-4 Not Listed
- White mineral oil 8042-47-5 Not Listed
- Polybutene 9003-29-6 Not Listed
- Mineral oil 8012-95-1 Not Listed

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

- Isobutylene-Isoprene polymer 9010-85-9 Not Listed
- Isoprene 78-79-5 Not Listed
- 1-Propene, 2-methyl- 115-11-7 Not Listed
- p-Benzoquinone, dioxime 105-11-3 Not Listed
- Phenol, p-nitroso- 104-91-6 Not Listed
- Lead tetroxide 1314-41-6 Not Listed
- Disulfide, bis(dimethylthiocarbamoyl) 137-26-8 Not Listed
- Carbon Black 1333-86-4 Not Listed
- White mineral oil 8042-47-5 Not Listed
- Polybutene 9003-29-6 Not Listed
- Mineral oil 8012-95-1 Not Listed

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

- Isobutylene-Isoprene polymer 9010-85-9 Not Listed
- Isoprene 78-79-5 0.1 % de minimis concentration
- 1-Propene, 2-methyl- 115-11-7 Not Listed
- p-Benzoquinone, dioxime 105-11-3 Not Listed
- Phenol, p-nitroso- 104-91-6 Not Listed
- Lead tetroxide 1314-41-6 Not Listed
- Disulfide, bis(dimethylthiocarbamoyl) 137-26-8 1.0 % de minimis concentration
- Carbon Black 1333-86-4 Not Listed
- White mineral oil 8042-47-5 Not Listed
- Polybutene 9003-29-6 Not Listed
- Mineral oil 8012-95-1 Not Listed

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

- Isobutylene-Isoprene polymer 9010-85-9 Not Listed
- Isoprene 78-79-5 Not Listed
- 1-Propene, 2-methyl- 115-11-7 Not Listed
- p-Benzoquinone, dioxime 105-11-3 Not Listed
- Phenol, p-nitroso- 104-91-6 Not Listed
- Lead tetroxide 1314-41-6 Not Listed
- Disulfide, bis(dimethylthiocarbamoyl) 137-26-8 Not Listed
- Carbon Black 1333-86-4 Not Listed
- White mineral oil 8042-47-5 Not Listed
- Polybutene 9003-29-6 Not Listed
- Mineral oil 8012-95-1 Not Listed

U.S. - EPA - Designated Generic Categories - Lead and Lead Compounds

- Isobutylene-Isoprene polymer 9010-85-9 Not Listed
- Isoprene 78-79-5 Not Listed
- 1-Propene, 2-methyl- 115-11-7 Not Listed
- p-Benzoquinone, dioxime 105-11-3 Not Listed
- Phenol, p-nitroso- 104-91-6 Not Listed
- Lead tetroxide 1314-41-6

• Disulfide, bis(dimethylthiocarbamoyl)	137-26-8	Not Listed
• Carbon Black	1333-86-4	Not Listed
• White mineral oil	8042-47-5	Not Listed
• Polybutene	9003-29-6	Not Listed
• Mineral oil	8012-95-1	Not Listed

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

• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	Not Listed
• 1-Propene, 2-methyl-	115-11-7	Not Listed
• p-Benzoquinone, dioxime	105-11-3	Not Listed
• Phenol, p-nitroso-	104-91-6	Not Listed
• Lead tetroxide	1314-41-6	Not Listed
• Disulfide, bis(dimethylthiocarbamoyl)	137-26-8	waste number U244
• Carbon Black	1333-86-4	Not Listed
• White mineral oil	8042-47-5	Not Listed
• Polybutene	9003-29-6	Not Listed
• Mineral oil	8012-95-1	Not Listed

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

• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	Not Listed
• 1-Propene, 2-methyl-	115-11-7	Not Listed
• p-Benzoquinone, dioxime	105-11-3	Not Listed
• Phenol, p-nitroso-	104-91-6	Not Listed
• Lead tetroxide	1314-41-6	Not Listed
• Disulfide, bis(dimethylthiocarbamoyl)	137-26-8	waste number U244
• Carbon Black	1333-86-4	Not Listed
• White mineral oil	8042-47-5	Not Listed
• Polybutene	9003-29-6	Not Listed
• Mineral oil	8012-95-1	Not Listed

United States - California

Environment

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

• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	carcinogen, initial date 5/1/96
• 1-Propene, 2-methyl-	115-11-7	Not Listed
• p-Benzoquinone, dioxime	105-11-3	Not Listed
• Phenol, p-nitroso-	104-91-6	Not Listed
• Lead tetroxide	1314-41-6	Not Listed
• Disulfide, bis(dimethylthiocarbamoyl)	137-26-8	Not Listed
• Carbon Black	1333-86-4	carcinogen, initial date 2/21/03 (airborne, unbound particles of respirable size)
• White mineral oil	8042-47-5	Not Listed
• Polybutene	9003-29-6	Not Listed
• Mineral oil	8012-95-1	Not Listed

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

• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	Not Listed
• 1-Propene, 2-methyl-	115-11-7	Not Listed
• p-Benzoquinone, dioxime	105-11-3	Not Listed
• Phenol, p-nitroso-	104-91-6	Not Listed

• Lead tetroxide	1314-41-6	Not Listed
• Disulfide, bis(dimethylthiocarbamoyl)	137-26-8	Not Listed
• Carbon Black	1333-86-4	Not Listed
• White mineral oil	8042-47-5	Not Listed
• Polybutene	9003-29-6	Not Listed
• Mineral oil	8012-95-1	Not Listed

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

• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	Not Listed
• 1-Propene, 2-methyl-	115-11-7	Not Listed
• p-Benzoquinone, dioxime	105-11-3	Not Listed
• Phenol, p-nitroso-	104-91-6	Not Listed
• Lead tetroxide	1314-41-6	Not Listed
• Disulfide, bis(dimethylthiocarbamoyl)	137-26-8	Not Listed
• Carbon Black	1333-86-4	Not Listed
• White mineral oil	8042-47-5	Not Listed
• Polybutene	9003-29-6	Not Listed
• Mineral oil	8012-95-1	Not Listed

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

• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	Not Listed
• 1-Propene, 2-methyl-	115-11-7	Not Listed
• p-Benzoquinone, dioxime	105-11-3	Not Listed
• Phenol, p-nitroso-	104-91-6	Not Listed
• Lead tetroxide	1314-41-6	Not Listed
• Disulfide, bis(dimethylthiocarbamoyl)	137-26-8	Not Listed
• Carbon Black	1333-86-4	Not Listed
• White mineral oil	8042-47-5	Not Listed
• Polybutene	9003-29-6	Not Listed
• Mineral oil	8012-95-1	Not Listed

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

• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	Not Listed
• 1-Propene, 2-methyl-	115-11-7	Not Listed
• p-Benzoquinone, dioxime	105-11-3	Not Listed
• Phenol, p-nitroso-	104-91-6	Not Listed
• Lead tetroxide	1314-41-6	Not Listed
• Disulfide, bis(dimethylthiocarbamoyl)	137-26-8	Not Listed
• Carbon Black	1333-86-4	Not Listed
• White mineral oil	8042-47-5	Not Listed
• Polybutene	9003-29-6	Not Listed
• Mineral oil	8012-95-1	Not Listed

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

• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	Not Listed
• 1-Propene, 2-methyl-	115-11-7	Not Listed
• p-Benzoquinone, dioxime	105-11-3	Not Listed
• Phenol, p-nitroso-	104-91-6	Not Listed
• Lead tetroxide	1314-41-6	Not Listed
• Disulfide, bis(dimethylthiocarbamoyl)	137-26-8	Not Listed

• Carbon Black	1333-86-4	Not Listed
• White mineral oil	8042-47-5	Not Listed
• Polybutene	9003-29-6	Not Listed
• Mineral oil	8012-95-1	Not Listed

United States - Pennsylvania

Labor

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

• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	
• 1-Propene, 2-methyl-	115-11-7	Not Listed
• p-Benzoquinone, dioxime	105-11-3	Not Listed
• Phenol, p-nitroso-	104-91-6	Not Listed
• Lead tetroxide	1314-41-6	Not Listed
• Disulfide, bis(dimethylthiocarbamoyl)	137-26-8	
• Carbon Black	1333-86-4	Not Listed
• White mineral oil	8042-47-5	Not Listed
• Polybutene	9003-29-6	Not Listed
• Mineral oil	8012-95-1	Not Listed

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

• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	Not Listed
• 1-Propene, 2-methyl-	115-11-7	Not Listed
• p-Benzoquinone, dioxime	105-11-3	Not Listed
• Phenol, p-nitroso-	104-91-6	Not Listed
• Lead tetroxide	1314-41-6	Not Listed
• Disulfide, bis(dimethylthiocarbamoyl)	137-26-8	Not Listed
• Carbon Black	1333-86-4	Not Listed
• White mineral oil	8042-47-5	Not Listed
• Polybutene	9003-29-6	Not Listed
• Mineral oil	8012-95-1	Not Listed

Other Information

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

Section 16 - Other Information

Last Revision Date

- 23/July/2013

Preparation Date

- 23/July/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

