

Safety Data Sheet

Firestone Building Products Company

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

1.1 Product identifier

Product Name

- **QuickSeam EPDM Accessories**

Synonyms

- 18" QuickSeam™ SA Flashing; QuickSeam™ Batten Cover; QuickSeam™ Conduit Flashing; QuickSeam™ Corner Flashing; QuickSeam™ Curb Flashing; QuickSeam™ Flashing; QuickSeam™ FormFlash Flashing; QuickSeam™ Joint Cover; QuickSeam™ Penetration Pocket Kit, QS6 & QS10; QuickSeam™ PipeFlashing; QuickSeam™ R.M.A. Strip; QuickSeam™ Reinforced Perimeter Fastening Strip (RPF); QuickSeam™ SA Patch for Conduit Flashing; QuickSeam™ SA Patch for Pipe Flashing; QuickSeam™ Splice Tape; QuickSeam™ Universal Pipe Flashing; QuickSeam™ Walkway Pad

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

- Relevant identified use(s) • Construction: sealing compound

1.3 Details of the supplier of the safety data sheet

Manufacturer

- Firestone Building Products Company
250 West 96th Street
Indianapolis, IN 46260
United States

firestonemsds@bfdp.com

Telephone (General) • 800-428-4442

1.4 Emergency telephone number

Manufacturer

- (800) 424-9300 - CHEMTREC

Manufacturer

- (703) 527-3887 - CHEMTREC - International

Section 2: Hazards Identification

EU/EEC

According to EU Directive 1272/2008 (CLP)/REACH 1907/2006 [amended by 453/2010]

According to EU Directive 67/548/EEC (DSD) or 1999/45/EC (DPD)

2.1 Classification of the substance or mixture

CLP

- Skin Irritation 2 - H315
Skin Sensitization 1 - H317

DSD/DPD

- Irritant (Xi)
Sensitizer
R38, R43

2.2 Label Elements

CLP

WARNING



- Hazard statements**
- H315 - Causes skin irritation
 - H317 - May cause an allergic skin reaction

Precautionary statements

- Prevention**
- P261 - Avoid breathing dust/fume.
 - P264 - Wash thoroughly after handling.
 - P272 - Contaminated work clothing should not be allowed out of the workplace.
 - P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- Response**
- P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
 - P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
 - P321 - Specific treatment, see supplemental first aid information.
 - P362 - Take off contaminated clothing and wash before reuse.
- Storage/Disposal**
- P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

DSD/DPD



- Risk phrases**
- R38 - Irritating to skin.
 - R43 - May cause sensitisation by skin contact.
- Safety phrases**
- S24 - Avoid contact with skin.
 - S37 - Wear suitable gloves.
 - S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

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 Irritation 2 - H315
 - Skin Sensitization 1A - H317

2.2 Label elements

OSHA HCS 2012

WARNING



- Hazard statements**
- Causes skin irritation - H315
 - May cause an allergic skin reaction - H317

Precautionary statements

- Prevention**
- Avoid breathing dust/fume. - P261
 - Wash thoroughly after handling. - P264
 - Contaminated work clothing should not be allowed out of the workplace. - P272
 - Wear protective gloves/protective clothing/eye protection/face protection. - P280
- Response**
- If skin irritation occurs: Get medical advice/attention. - P332+P313

IF ON SKIN: Wash with plenty of soap and water. - P302+P352
 Specific treatment, see supplemental first aid information. - P321
 If skin irritation or rash occurs: Get medical advice/attention. - P333+P313
 Take off contaminated clothing and wash before reuse. - P362

- Storage/Disposal** • Dispose of content and/or container in accordance with local, regional, national, and/or international regulations. - P501

2.3 Other hazards

OSHA HCS 2012

- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

Canada

According to WHMIS

2.1 Classification of the substance or mixture

WHMIS

- Other Toxic Effects - D2B

2.2 Label elements

WHMIS



- Other Toxic Effects - D2B

2.3 Other hazards

WHMIS

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

See Section 12 for Ecological Information.

Section 3 - Composition/Information on Ingredients

3.1 Substances

- Material does not meet the criteria of a substance in accordance with Regulation (EC) No 1272/2008.

3.2 Mixtures

Composition					
Chemical Name	Identifiers	%	LD50/LC50	Classifications According to Regulation/Directive	Comments
Resin	NDA	4% TO 13%	NDA	EU DSD/DPD: Self Classified: Xi R36/37/38 EU CLP: Self Classified: Eye Irrit. 2A, H319; Skin Irrit. 2, H315; STOT SE 3 - Resp., H335 OSHA HCS 2012: Eye Irrit. 2A; Skin Irrit. 2; STOT SE 3 - Resp.	NDA
Talc	CAS: 14807-96-6 EC Number: 238-877-9	0% TO 6%	NDA	EU DSD/DPD: Self Classified: Xn R48/20 EU CLP: Self Classified: STOT RE 1, H372 OSHA HCS 2012: STOT RE 1 (Lungs)	NDA

Calcium oxide	CAS: 1305-78-8 EC Number: 215-138-9	1% TO 5%	NDA	EU DSD/DPD: Self Classified: C R34 EU CLP: Self Classified: Skin Corr. 1C, H314; Eye Dam. 1, H318 OSHA HCS 2012: Skin Corr. 1C; Eye Dam. 1	NDA
Phenol, p-(1,1,3,3-tetramethylbutyl)-	CAS: 140-66-9 EINECS: 205-426-2	2% TO 4%	Skin-Rabbit LD50 • 1880 mg/kg Ingestion/Oral-Rat LD50 • >2000 mg/kg	EU DSD/DPD: Annex I: Xi R38-41; N R50-53 EU CLP: Annex VI: Skin Irrit. 2, H315; Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 1, H410 OSHA HCS 2012: Eye Irrit. 2A; Skin Irrit. 2; Repr. 2	NDA
Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	CAS: 64742-52-5 EC Number: 265-155-0	0% TO 4%	NDA	EU DSD/DPD: Annex I: Carc. 2; R45 EU CLP: Annex VI: Carc. 1B, H350 OSHA HCS 2012: Skin Irrit. 2	NDA
Carbon Black	CAS: 1333-86-4 EC Number: 215-609-9	1% TO 4%	Ingestion/Oral-Rat LD50 • >15400 mg/kg Skin-Rabbit LD50 • >3 g/kg	EU DSD/DPD: None EU CLP: None OSHA HCS 2012: Carc. 2	NDA
Zinc oxide	CAS: 1314-13-2 EC Number: 215-222-5	0.5% TO 2.5%	NDA	EU DSD/DPD: Annex I: N; R50-53 EU CLP: Annex VI: Aquatic Acute 1, H400; Aquatic Chronic 1, H410 OSHA HCS 2012: Eye Irrit. 2B	NDA
p-Benzoquinone, 2,3,5,6-tetrachloro-	CAS: 118-75-2 EC Number: 204-274-4	0% TO 1.5%	Ingestion/Oral-Rat LD50 • 4 g/kg	EU DSD/DPD: Annex I: Xi R36/38 N R50-53 EU CLP: Annex VI: Eye Irrit. 2, H319; Skin Irrit. 2, H315; Aquatic Acute 1, H400; Aquatic Chronic 1, H410 OSHA HCS 2012: Eye Irrit. 2A; Skin Irrit. 2; STOT RE 3: Resp. Irrit. & Narc.; Acute Tox. 4 (Inhl)	NDA
TMDS	CAS: 137-26-8 EC Number: 205-286-2	0% TO 1%	Ingestion/Oral-Rat LD50 • 560 mg/kg Inhalation-Rat LC50 • 500 mg/m ³ 4 Hour(s)	EU DSD/DPD: Annex I: Xn R20/22 - 48/22 Xi R36/38; R43 N R50-53 EU CLP: Annex VI: Acute Tox. 4, H332; Acute Tox. 4, H302; STOT RE 2, H373; Eye Irrit. 2, H319; Skin Irrit. 2, H315; Skin Sens. 1, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410 OSHA HCS 2012: Eye Irrit. 2, Skin Irrit. 2, Skin Sens. 1A; Acute Tox. 4 (Oral); Acute Tox. 2 (Inhl)	NDA
MBTS	CAS: 120-78-5 EC Number: 204-424-9	0% TO 1%	Ingestion/Oral-Rat LD50 • >12 g/kg Skin-Rabbit LD50 • >7940 mg/kg	EU DSD/DPD: Annex I: R31 R43 N; R50-53 EU CLP: Annex VI: Skin Sens. 1, H317; Aquatic Acute 1, H400; Aquatic Chronic 1, H410 OSHA HCS 2012: Skin Sens. 1A	NDA

See Section 11 for Toxicological Information.

Section 4 - First Aid Measures

4.1 Description of first aid measures

Inhalation

- First aid is not expected to be necessary if material is used under ordinary conditions and as recommended. If signs/symptoms develop, move person to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. If signs/symptoms continue, get medical attention.

Skin

- Remove material from skin with waterless hand cleaners followed by washing with soap and water. If signs/symptoms develop, get medical attention.

Eye

- First aid is not expected to be necessary if material is used under ordinary conditions

and as recommended. If contact with material occurs flush eyes with water. If signs/symptoms develop, get medical attention.

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.

4.2 Most important symptoms and effects, both acute and delayed

- Refer to Section 11 - Toxicological Information.

4.3 Indication of any immediate medical attention and special treatment needed

Notes to Physician

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

Section 5 - Firefighting Measures

5.1 Extinguishing media

Suitable Extinguishing Media • Water, foam, dry chemical, carbon dioxide (CO₂).

Unsuitable Extinguishing Media • None known.

5.2 Special hazards arising from the substance or mixture

Unusual Fire and Explosion Hazards • Material releases toxic and corrosive gases/vapors when burned.

Hazardous Combustion Products • Nitrous oxides, sulfur oxides, carbon oxides.

5.3 Advice for firefighters

- Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Structural firefighters' protective clothing will only provide limited protection.

Section 6 - Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Precautions • No special precautions expected to be necessary if material is used under ordinary conditions and as recommended.

Emergency Procedures • No emergency procedures are expected to be necessary if material is used under ordinary conditions as as recommended. Use normal clean up procedures.

6.2 Environmental precautions

- No special precautions necessary.

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.

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

- Do not handle at temperatures in excess of 130° F. Avoid prolonged or repeated contact with the skin. Use good safety and industrial hygiene practices. Product readily removed from the skin with waterless hand cleaners followed by washing with soap and water.

7.2 Conditions for safe storage, including any incompatibilities

Storage

- Store in a cool, dry place. Do not store at temperatures in excess of 130° F.

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	Belgium	Canada Alberta	Canada British Columbia	Canada Manitoba
Formaldehyde (50-00-0)	Ceilings	0.3 ppm Ceiling	Not established	1 ppm Ceiling; 1.3 mg/m ³ Ceiling	1 ppm Ceiling	0.3 ppm Ceiling
	TWAs	Not established	Not established	0.75 ppm TWA; 0.9 mg/m ³ TWA	0.3 ppm TWA	Not established
TMDS (137-26-8)	TWAs	0.05 mg/m ³ TWA (inhalable fraction and vapor)	0.05 mg/m ³ TWA (aerosol and vapor); 0.005 ppm TWA (aerosol and vapor)	1 mg/m ³ TWA	1 mg/m ³ TWA	0.05 mg/m ³ TWA (inhalable fraction and vapor)
Talc (14807-96-6)	TWAs	2 mg/m ³ TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction)	2 mg/m ³ TWA	2 mg/m ³ TWA (respirable particulate)	2 mg/m ³ TWA (particulate matter containing no Asbestos and <1% Crystalline silica, respirable particulate)	2 mg/m ³ TWA (particulate matter containing no Asbestos and <1% Crystalline silica, respirable fraction)
1-Propene, 2-methyl- (115-11-7)	TWAs	250 ppm TWA (listed under Butenes, all isomers)	250 ppm TWA; 583 mg/m ³ TWA	Not established	Not established	250 ppm TWA (listed under Butenes, all isomers)
ENB (16219-75-3)	Ceilings	5 ppm Ceiling	Not established	5 ppm Ceiling; 25 mg/m ³ Ceiling	5 ppm Ceiling	5 ppm Ceiling
Sulfur (7704-34-9)	TWAs	Not established	Not established	10 mg/m ³ TWA	Not established	Not established
Zinc oxide (1314-13-2)	STELs	10 mg/m ³ STEL (respirable fraction)	10 mg/m ³ STEL (fume)	10 mg/m ³ STEL (respirable)	10 mg/m ³ STEL (respirable)	10 mg/m ³ STEL (respirable fraction)
	TWAs	2 mg/m ³ TWA (respirable fraction)	10 mg/m ³ TWA (dust); 5 mg/m ³ TWA (fume)	2 mg/m ³ TWA (respirable)	2 mg/m ³ TWA (respirable)	2 mg/m ³ TWA (respirable fraction)
Carbon Black (1333-86-4)	TWAs	3 mg/m ³ TWA (inhalable fraction)	3.5 mg/m ³ TWA	3.5 mg/m ³ TWA	3 mg/m ³ TWA (inhalable)	3 mg/m ³ TWA (inhalable fraction)
Exposure Limits/Guidelines (Con't.)						
	Result	Canada New Brunswick	Canada Northwest Territories	Canada Nova Scotia	Canada Nunavut	Canada Ontario
Formaldehyde (50-00-0)	STELs	1.5 ppm STEL	Not established	Not established	Not established	1.0 ppm STEL
	TWAs	0.5 ppm TWA	Not established	Not established	Not established	Not established
	Ceilings	Not established	2 ppm Ceiling; 2.4 mg/m ³ Ceiling	0.3 ppm Ceiling	2 ppm Ceiling; 2.4 mg/m ³ Ceiling	1.5 ppm Ceiling

TMDS (137-26-8)	TWAs	1 mg/m3 TWA	5 mg/m3 TWA	0.05 mg/m3 TWA (inhalable fraction and vapor)	5 mg/m3 TWA	0.05 mg/m3 TWA (inhalable fraction and vapor, listed under Thiram)
	STELs	Not established	10 mg/m3 STEL	Not established	10 mg/m3 STEL	Not established
Talc (14807-96-6)	TWAs	2 mg/m3 TWA (particulate matter containing no Asbestos and <1% Crystalline silica, respirable fraction)	3 mg/m3 TWA (respirable mass); 6 mg/m3 TWA (total mass)	2 mg/m3 TWA (particulate matter containing no Asbestos and <1% Crystalline silica, respirable fraction)	3 mg/m3 TWA (respirable mass); 6 mg/m3 TWA (total mass)	2 mg/m3 TWA (containing no Asbestos and <1% Crystalline silica, respirable)
1-Propene, 2- methyl- (115-11-7)	TWAs	Not established	Not established	250 ppm TWA (listed under Butenes, all isomers)	Not established	250 ppm TWA (listed under Butenes, all isomers)
ENB (16219-75-3)	Ceilings	5 ppm Ceiling; 25 mg/m3 Ceiling	5 ppm Ceiling; 25 mg/m3 Ceiling	5 ppm Ceiling	5 ppm Ceiling; 25 mg/m3 Ceiling	5 ppm Ceiling
Zinc oxide (1314-13-2)	STELs	10 mg/m3 STEL (fume)	10 mg/m3 STEL (fume)	10 mg/m3 STEL (respirable fraction)	10 mg/m3 STEL (fume)	10 mg/m3 STEL (respirable)
	TWAs	10 mg/m3 TWA (particulate matter containing no Asbestos and <1% Crystalline silica, dust); 5 mg/m3 TWA (fume)	5 mg/m3 TWA (fume); 5 mg/m3 TWA (dust, respirable mass); 10 mg/m3 TWA (total mass, dust)	2 mg/m3 TWA (respirable fraction)	5 mg/m3 TWA (fume); 5 mg/m3 TWA (dust, respirable mass); 10 mg/m3 TWA (total mass, dust)	2 mg/m3 TWA (respirable)
Carbon Black (1333-86-4)	TWAs	3.5 mg/m3 TWA	3.5 mg/m3 TWA	3 mg/m3 TWA (inhalable fraction)	3.5 mg/m3 TWA	3.5 mg/m3 TWA
	STELs	Not established	7 mg/m3 STEL	Not established	7 mg/m3 STEL	Not established

Exposure Limits/Guidelines (Con't.)

	Result	Canada Quebec	Canada Saskatchewan	Canada Yukon	Denmark	Germany DFG
Formaldehyde (50-00-0)	Ceilings	2 ppm Ceiling; 3 mg/m3 Ceiling	Not established	2 ppm Ceiling; 3 mg/m3 Ceiling	0.3 ppm Ceiling; 0.4 mg/m3 Ceiling	0.6 ppm Peak (no irritation should occur during mixed exposure); 0.74 mg/m3 Peak (no irritation should occur during mixed exposure)
	MAKs	Not established	Not established	Not established	Not established	0.3 ppm TWA MAK; 0.37 mg/m3 TWA MAK (no irritation should occur during mixed exposure)
TMDS (137-26-8)	TWAs	5 mg/m3 TWAEV	1 mg/m3 TWA	5 mg/m3 TWA	1 mg/m3 TWA	Not established
	STELs	Not established	Not established	10 mg/m3 STEL	Not established	Not established
	Ceilings	Not established	Not established	Not established	Not established	2 mg/m3 Peak (inhalable fraction)
	MAKs	Not established	Not established	Not established	Not established	1 mg/m3 TWA MAK (inhalable fraction)
Talc (14807-96-6)	TWAs	3 mg/m3 TWAEV (respirable dust)	2 mg/m3 TWA (respirable fraction)	20 mppcf TWA	0.3 fiber/cm3 TWA	Not established

Isoprene (78-79-5)	Ceilings	Not established	Not established	Not established	Not established	24 ppm Peak; 68 mg/m3 Peak
	MAKs	Not established	Not established	Not established	Not established	3 ppm TWA MAK; 8.5 mg/m3 TWA MAK
ENB (16219-75-3)	Ceilings	5 ppm Ceiling; 25 mg/m3 Ceiling	Not established	5 ppm Ceiling; 25 mg/m3 Ceiling	5 ppm Ceiling; 25 mg/m3 Ceiling	Not established
Zinc oxide (1314-13-2)	TWAs	10 mg/m3 TWAEV (containing no Asbestos and <1% Crystalline silica, total dust); 5 mg/m3 TWAEV (fume)	2 mg/m3 TWA (dust and fume, respirable fraction)	5 mg/m3 TWA (fume); 30 mppcf TWA (dust); 10 mg/m3 TWA (dust)	4 mg/m3 TWA (including vapour, as Zn)	Not established
	STELs	10 mg/m3 STEV (fume)	Not established	10 mg/m3 STEL (fume); 20 mg/m3 STEL (dust)	Not established	Not established
	Ceilings	Not established	Not established	Not established	Not established	1 mg/m3 Peak (respirable fraction, fume)
	MAKs	Not established	Not established	Not established	Not established	1 mg/m3 TWA MAK (fume, respirable fraction)
Carbon Black (1333-86-4)	TWAs	3.5 mg/m3 TWAEV	3.5 mg/m3 TWA	3.5 mg/m3 TWA	3.5 mg/m3 TWA	Not established
	STELs	Not established	Not established	7 mg/m3 STEL	Not established	Not established

Exposure Limits/Guidelines (Con't.)

	Result	Germany TRGS	NIOSH	OSHA
Formaldehyde (50-00-0)	STELs	Not established	Not established	2 ppm STEL (see 29 CFR 1910.1048)
	TWAs	Not established	0.016 ppm TWA	0.75 ppm TWA
	Ceilings	Not established	0.1 ppm Ceiling (15 min)	Not established
TMDS (137-26-8)	TWAs	1 mg/m3 TWA AGW (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed, inhalable fraction, exposure factor 2)	5 mg/m3 TWA	5 mg/m3 TWA
Talc (14807-96-6)	TWAs	Not established	2 mg/m3 TWA (containing no Asbestos and <1% Quartz, respirable dust)	Not established
Isoprene (78-79-5)	TWAs	3 ppm TWA AGW (exposure factor 8); 8.4 mg/m3 TWA AGW (exposure factor 8)	Not established	Not established
ENB (16219-75-3)	Ceilings	Not established	5 ppm Ceiling; 25 mg/m3 Ceiling	Not established
Zinc oxide (1314-13-2)	TWAs	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	Not established	15 mg/m3 Ceiling (dust)	Not established
	STELs	Not established	10 mg/m3 STEL (fume)	Not established
Carbon Black (1333-86-4)	TWAs	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

Germany DFG

• Isoprene (78-79-5): **Carcinogens:** (Category 5 (low carcinogenic potency)) | **Carcinogens:** (Category 4 (no significant contribution to human cancer)) | **Carcinogens:** (Category 3B (could be carcinogenic for man, inhalable fraction)) | **Carcinogens:** (Category 3B (could be carcinogenic for man, free of asbestos fibers)) | **Pregnancy:** (no risk to embryo/fetus if exposure limits adhered to) | **Pregnancy:** (no risk to embryo/fetus if exposure limits adhered to) | **Pregnancy:** (no risk to embryo/fetus if exposure limits adhered to) | **Sensitizers:** (skin sensitizer) | **Sensitizers:** (skin sensitizer)

8.2 Exposure controls

Engineering Measures/Controls

- Under normal conditions of use, special ventilation is not required.

Personal Protective Equipment

Respiratory

- No respiratory protection is required under normal conditions of use.

Eye/Face

- Under normal conditions of use, eye protection is not required.

Skin/Body

- Wear appropriate gloves.

Environmental Exposure Controls

- Follow best practice for site management and disposal of waste.

Key to abbreviations

ACGIH = American Conference of Governmental Industrial Hygiene

NIOSH = National Institute of Occupational Safety and Health

OSHA = Occupational Safety and Health Administration

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

STEV = Short Term Exposure Value

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 (EPDM) laminated to tape. No odor.
Color	Black	Odor	None
Odor Threshold	None		
General Properties			
Boiling Point	Not relevant	Melting Point	Data lacking
Decomposition Temperature	Data lacking	pH	Not relevant
Specific Gravity/Relative Density	0.97 Water=1	Water Solubility	Negligible < 0.1 %
Viscosity	Not relevant	Explosive Properties	Not relevant.
Oxidizing Properties:	Not relevant.		
Volatility			
Vapor Pressure	Not relevant	Vapor Density	Not relevant
Evaporation Rate	Not relevant	Volatiles (Vol.)	0.7 %

Flammability

Flash Point	> 200 C(> 392 F)	UEL	Not relevant
LEL	Not relevant	Autoignition	Not relevant
Flammability (solid, gas)	Not flammable.		

Environmental

Octanol/Water Partition coefficient	Data lacking		
-------------------------------------	--------------	--	--

9.2 Other Information

- No additional physical and chemical parameters noted.

Section 10: Stability and Reactivity**10.1 Reactivity**

- No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

- Stable under normal temperatures and pressures.

10.3 Possibility of hazardous reactions

- Hazardous polymerization will not occur.

10.4 Conditions to avoid

- Temperatures in excess of 130° F.

10.5 Incompatible materials

- No data available.

10.6 Hazardous decomposition products

- Thermal decomposition could produce CO, CO₂, and Oxides of Nitrogen.

Section 11 - Toxicological Information**11.1 Information on toxicological effects**

Component Name	CAS	Data
Phenol, p-(1,1,3,3-tetramethylbutyl)- (2% TO 4%)	140-66-9	Acute Toxicity: orl-rat LD50:4600 mg/kg; skn-rbt LD50:1880 mg/kg; Irritation: eye-rbt 50 ug/24H SEV; skn-rbt 20 mg/24H MOD; Reproductive: orl-mus TDLo:2.4 mg/kg (10-21D preg/12D post); orl-mus TDLo:14000 ng/kg (11-17D preg); orl-rat TDLo:250.4 mg/kg (0-8D preg)
Hydrotreated heavy naphthenic distillates (petroleum) (Mild) (0% TO 4%)	64742-52-5	Irritation: skn-rbt 500 mg SEV
Carbon Black (1% TO 4%)	1333-86-4	Acute Toxicity: orl-rat LD50:>15400 mg/kg; skn-rbt LD50:>3 gm/kg; Tumorigen/Carcinogen: ihl-rat TCLo:11600 ug/m3/18H/2Y-I
Talc (0% TO 6%)	14807-96-6	Irritation: skn-hmn 300 ug/3D-I MLD; Tumorigen/Carcinogen: ihl-rat TC :11 mg/m3/1Y-I
Zinc oxide (0.5% TO 2.5%)	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)
MBTS (0% TO 1%)	120-78-5	Acute Toxicity: orl-rat LD50:>12 gm/kg; skn-rbt LD50:>7940 mg/kg
p-Benzoquinone, 2,3,5,6-tetrachloro- (0% TO 1.5%)	118-75-2	Acute Toxicity: orl-rat LD50:4 gm/kg; ihl-rat LC50:2485 mg/m3/4H
TMDS (0% TO 1%)	137-26-8	Acute Toxicity: Ingestion/Oral-Rat LD50 • 560 mg/kg; ihl-rat LC50:500 mg/m3/4H; Irritation: eye-rbt 100 mg/24H MOD; Reproductive: orl-rat TDLo:300 mg/kg (15D preg);

Tumorigen/Carcinogen: orl-rat TDLo:108 mg/kg/1Y-C

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 • Skin Irritation 2 OSHA HCS 2012 • Skin Irritation 2
Skin sensitization	EU/CLP • Skin Sensitizer 1 OSHA HCS 2012 • Skin Sensitizer 1A
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

Potential Health Effects

Inhalation

Acute (Immediate)

- Under normal conditions of use, no health effects are expected.

Chronic (Delayed)

- Under normal conditions of use, no health effects are expected.

Skin

Acute (Immediate)

- Causes skin irritation. May cause an allergic skin reaction.

Chronic (Delayed)

- Under normal conditions of use, no health effects are expected.

Eye

Acute (Immediate)

- Direct contact with tape may cause mechanical irritation.

Chronic (Delayed)

- Under normal conditions of use, no health effects are expected.

Ingestion

Acute (Immediate)

- Under normal conditions of use, no health effects are expected.

Chronic (Delayed)

- Under normal conditions of use, no health effects are expected.

Carcinogenic Effects

- Although this material does contain several components that are either carcinogens or potential carcinogens the material as a whole is not classified as a carcinogen according to regulatory guidelines. The carbon black is encapsulated within the matrix of this material and no exposure is expected. The isoprene and formaldehyde components are both in this material at low enough concentrations that this material is not classified as a carcinogen per agency guidelines.

Carcinogenic Effects				
	CAS	OSHA	IARC	NTP
Formaldehyde	50-00-0	Specifically Regulated Carcinogen	Group 1-Carcinogenic	Known Human Carcinogen
Isoprene	78-79-5	Not Listed	Group 2B-Possible Carcinogen	Reasonably Anticipated to be Human Carcinogen
Carbon Black	1333-86-4	Not Listed	Group 2B-Possible Carcinogen	Not Listed

Key to abbreviations

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

Section 12 - Ecological Information

12.1 Toxicity

- Material data lacking.

12.2 Persistence and degradability

- Material data lacking.

12.3 Bioaccumulative potential

- Material data lacking.

12.4 Mobility in Soil

- Material data lacking.

12.5 Results of PBT and vPvB assessment

- PBT and vPvB assessment has not been carried out.

12.6 Other adverse effects

- Material data lacking.

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

ADN	NDA	Not Regulated	NDA	NDA	NDA
ADR/RID	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
Polybutene	9003-29-6	No	No	No
Isobutylene-Isoprene polymer	9010-85-9	No	No	No
Ethylene propylene diene rubber	25038-36-2	No	No	No
Sulfur	7704-34-9	Yes	Yes	Yes
ENB	16219-75-3	Yes	Yes	Yes
Isoprene	78-79-5	Yes	Yes	Yes
1-Propene, 2-methyl-	115-11-7	Yes	Yes	Yes
Resin	NDA	No	No	No
Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	No	No	No
Formaldehyde	50-00-0	Yes	Yes	Yes
Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	No	No	No
Carbon Black	1333-86-4	Yes	Yes	Yes
Talc	14807-96-6	Yes	Yes	Yes
Calcium oxide	1305-78-8	Yes	Yes	Yes
Zinc oxide	1314-13-2	Yes	Yes	Yes
MBTS	120-78-5	No	No	No
p-Benzoquinone, 2,3,5,6-tetrachloro-	118-75-2	No	No	No
TMDS	137-26-8	Yes	Yes	Yes
Phenol, 4-methyl	68610-51-5	No	No	No

Inventory						
Component	CAS	Canada DSL	Canada NDSL	EU EINECS	EU ELNICS	TSCA
Polybutene	9003-29-6	Yes	No	No	No	Yes
Isobutylene-Isoprene polymer	9010-85-9	Yes	No	No	No	Yes
Ethylene propylene diene rubber	25038-36-2	Yes	No	No	No	Yes
Sulfur	7704-34-9	Yes	No	Yes	No	Yes
ENB	16219-75-3	No	Yes	Yes	No	Yes
Isoprene	78-79-5	Yes	No	Yes	No	Yes
1-Propene, 2-methyl-	115-11-7	Yes	No	Yes	No	Yes
Resin	NDA	No	No	No	No	No
Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Yes	No	Yes	No	Yes
Formaldehyde	50-00-0	Yes	No	Yes	No	Yes
Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Yes	No	Yes	No	Yes
Carbon Black	1333-86-4	Yes	No	Yes	Yes	Yes
Talc	14807-96-6	Yes	No	Yes	No	Yes
Calcium oxide	1305-78-8	Yes	No	Yes	No	Yes
Zinc oxide	1314-13-2	Yes	No	Yes	No	Yes
MBTS	120-78-5	Yes	No	Yes	No	Yes
p-Benzoquinone, 2,3,5,6-tetrachloro-	118-75-2	Yes	No	Yes	No	Yes
TMDS	137-26-8	Yes	No	Yes	No	Yes
Phenol, 4-methyl	68610-51-5	Yes	No	Yes	No	Yes

Belgium

Labor

Belgium - Substances and Preparations - Carcinogens and Mutagens

• Phenol, 4-methyl	68610-51-5	Not Listed
• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	Not Listed
• 1-Propene, 2-methyl-	115-11-7	Not Listed
• MBTS	120-78-5	Not Listed
• Ethylene propylene diene rubber	25038-36-2	Not Listed
• TMDS	137-26-8	Not Listed
• Formaldehyde	50-00-0	Not Listed
• Calcium oxide	1305-78-8	Not Listed
• Carbon Black	1333-86-4	Not Listed
• Talc	14807-96-6	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Polybutene	9003-29-6	Not Listed
• Sulfur	7704-34-9	Not Listed
• ENB	16219-75-3	Not Listed

• p-Benzoquinone, 2,3,5,6-tetrachloro-	118-75-2	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed

Canada

Labor

Canada - WHMIS - Classifications of Substances

• Phenol, 4-methyl	68610-51-5	Not Listed
• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	Not Listed
• 1-Propene, 2-methyl-	115-11-7	Not Listed
• MBTS	120-78-5	Not Listed
• Ethylene propylene diene rubber	25038-36-2	Not Listed
• TMDS	137-26-8	Not Listed
• Formaldehyde	50-00-0	A, B1, D1A, D2A, D2B; B3, D1A, D2A, D2B, E (regulated under Formol)
• Calcium oxide	1305-78-8	E
• Carbon Black	1333-86-4	D2A (In certain cases, this classification does not apply. For more information, consult the section Substance Specific Issues - Carbon Black, non-respirable on Health Canada's WHMIS Division website.)
• Talc	14807-96-6	D2A
• Zinc oxide	1314-13-2	Uncontrolled product according to WHMIS classification criteria
• Zinc oxide as Zinc compounds		Not Listed
• Polybutene	9003-29-6	Uncontrolled product according to WHMIS classification criteria
• Sulfur	7704-34-9	B4
• ENB	16219-75-3	B2, D1A, D2B
• p-Benzoquinone, 2,3,5,6-tetrachloro-	118-75-2	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Uncontrolled product according to WHMIS classification criteria
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed

Canada - WHMIS - Ingredient Disclosure List

• Phenol, 4-methyl	68610-51-5	Not Listed
• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	1 %
• 1-Propene, 2-methyl-	115-11-7	Not Listed
• MBTS	120-78-5	1 %
• Ethylene propylene diene rubber	25038-36-2	Not Listed
• TMDS	137-26-8	1 %
• Formaldehyde	50-00-0	0.1 %
• Calcium oxide	1305-78-8	1 %
• Carbon Black	1333-86-4	1 %
• Talc	14807-96-6	Not Listed
• Zinc oxide	1314-13-2	1 %
• Zinc oxide as Zinc compounds		Not Listed
• Polybutene	9003-29-6	Not Listed
• Sulfur	7704-34-9	Not Listed
• ENB	16219-75-3	1 %
• p-Benzoquinone, 2,3,5,6-tetrachloro-	118-75-2	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed

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

• Phenol, 4-methyl	68610-51-5	Not Listed
• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	Not Listed
• 1-Propene, 2-methyl-	115-11-7	Not Listed
• MBTS	120-78-5	Not Listed
• Ethylene propylene diene rubber	25038-36-2	Not Listed
• TMDS	137-26-8	Not Listed
• Formaldehyde	50-00-0	Priority Substance List 2 (substance considered toxic)
• Calcium oxide	1305-78-8	Not Listed
• Carbon Black	1333-86-4	Not Listed
• Talc	14807-96-6	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Polybutene	9003-29-6	Not Listed
• Sulfur	7704-34-9	Not Listed
• ENB	16219-75-3	Not Listed
• p-Benzoquinone, 2,3,5,6-tetrachloro-	118-75-2	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed

Denmark**Environment****Denmark - List of Undesirable Substances - Product Groups/Function**

• Phenol, 4-methyl	68610-51-5	Not Listed
• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	Not Listed
• 1-Propene, 2-methyl-	115-11-7	Not Listed
• MBTS	120-78-5	Not Listed
• Ethylene propylene diene rubber	25038-36-2	Not Listed
• TMDS	137-26-8	Not Listed
• Formaldehyde	50-00-0	Raw materials; Preservatives
• Calcium oxide	1305-78-8	Not Listed
• Carbon Black	1333-86-4	Not Listed
• Talc	14807-96-6	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Polybutene	9003-29-6	Not Listed
• Sulfur	7704-34-9	Not Listed
• ENB	16219-75-3	Not Listed
• p-Benzoquinone, 2,3,5,6-tetrachloro-	118-75-2	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed

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

• Phenol, 4-methyl	68610-51-5	Not Listed
• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	F+; R12 Carc.Cat.2; R45 R52-53 Muta.Cat.3; R68
• 1-Propene, 2-methyl-	115-11-7	F+; R12
• MBTS	120-78-5	R31 R43 N; R50-53

• Ethylene propylene diene rubber	25038-36-2	Not Listed
• TMDS	137-26-8	Xn; R20/22-48/22 Xi; R36/38 R43 N; R50-53
• Formaldehyde	50-00-0	T; R23/24/25 C; R34 Carc.Cat.3; R40 R43
• Calcium oxide	1305-78-8	Not Listed
• Carbon Black	1333-86-4	Not Listed
• Talc	14807-96-6	Not Listed
• Zinc oxide	1314-13-2	N; R50-53
• Zinc oxide as Zinc compounds		Not Listed
• Polybutene	9003-29-6	Not Listed
• Sulfur	7704-34-9	Xi; R38
• ENB	16219-75-3	Not Listed
• p-Benzoquinone, 2,3,5,6-tetrachloro-	118-75-2	Xi; R36/38 N; R50-53
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Xi; R38-41 N; R50-53
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Carc.Cat.2; R45

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

• Phenol, 4-methyl	68610-51-5	Not Listed
• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	Not Listed
• 1-Propene, 2-methyl-	115-11-7	Not Listed
• MBTS	120-78-5	Not Listed
• Ethylene propylene diene rubber	25038-36-2	Not Listed
• TMDS	137-26-8	2.5%<=C: N; R50-53 0.25%<=C<2.5%: N; R51-53 0.025%<=C<0.25%: R52-53
• Formaldehyde	50-00-0	0.2%<=C: R:43 25%<=C: T; R:23/24/25 5%<=C<25%: Xn; R:20/21/22 25%<=C: C; R:34 5%<=C<25%: Xi; R:36/37/38
• Calcium oxide	1305-78-8	Not Listed
• Carbon Black	1333-86-4	Not Listed
• Talc	14807-96-6	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Polybutene	9003-29-6	Not Listed
• Sulfur	7704-34-9	Not Listed
• ENB	16219-75-3	Not Listed
• p-Benzoquinone, 2,3,5,6-tetrachloro-	118-75-2	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	2.5%<=C: N; R50-53 0.25%<=C<2.5%: N; R51-53 0.025%<=C<0.25%: R52-53
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed

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

• Phenol, 4-methyl	68610-51-5	Not Listed
• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	F+ T R:45-12-68-52/53 S:53-45-61
• 1-Propene, 2-methyl-	115-11-7	F+ R:12 S:(2)-9-16-33
• MBTS	120-78-5	Xi N R:31-43-50/53 S:(2)-36/37-60-61
• Ethylene propylene diene rubber	25038-36-2	Not Listed
• TMDS	137-26-8	Xn N R:20/22-36/38-43-48/22-50/53 S:(2)-26-36/37-60-61
• Formaldehyde	50-00-0	T R:23/24/25-34-40-43 S:(1/2)-26-36/37/39-45-51
• Calcium oxide	1305-78-8	Not Listed
• Carbon Black	1333-86-4	Not Listed
• Talc	14807-96-6	Not Listed
• Zinc oxide	1314-13-2	N R:50/53 S:60-61
• Zinc oxide as Zinc compounds		Not Listed
• Polybutene	9003-29-6	Not Listed
• Sulfur	7704-34-9	Xi R:38 S:(2)-46

• ENB	16219-75-3	Not Listed
• p-Benzoquinone, 2,3,5,6-tetrachloro-	118-75-2	Xi N R:36/38-50/53 S:(2)-37-60-61
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Xi N R:38-41-50/53 S:(2)-26-37/39-60-61
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	T R:45 S:53-45

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

• Phenol, 4-methyl	68610-51-5	Not Listed
• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	D
• 1-Propene, 2-methyl-	115-11-7	C
• MBTS	120-78-5	Not Listed
• Ethylene propylene diene rubber	25038-36-2	Not Listed
• TMDS	137-26-8	Not Listed
• Formaldehyde	50-00-0	B, D
• Calcium oxide	1305-78-8	Not Listed
• Carbon Black	1333-86-4	Not Listed
• Talc	14807-96-6	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Polybutene	9003-29-6	Not Listed
• Sulfur	7704-34-9	Not Listed
• ENB	16219-75-3	Not Listed
• p-Benzoquinone, 2,3,5,6-tetrachloro-	118-75-2	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	L

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

• Phenol, 4-methyl	68610-51-5	Not Listed
• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	S:53-45-61
• 1-Propene, 2-methyl-	115-11-7	S:(2)-9-16-33
• MBTS	120-78-5	S:(2)-36/37-60-61
• Ethylene propylene diene rubber	25038-36-2	Not Listed
• TMDS	137-26-8	S:(2)-26-36/37-60-61
• Formaldehyde	50-00-0	S:(1/2)-26-36/37/39-45-51
• Calcium oxide	1305-78-8	Not Listed
• Carbon Black	1333-86-4	Not Listed
• Talc	14807-96-6	Not Listed
• Zinc oxide	1314-13-2	S:60-61
• Zinc oxide as Zinc compounds		Not Listed
• Polybutene	9003-29-6	Not Listed
• Sulfur	7704-34-9	S:(2)-46
• ENB	16219-75-3	Not Listed
• p-Benzoquinone, 2,3,5,6-tetrachloro-	118-75-2	S:(2)-37-60-61
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	S:(2)-26-37/39-60-61
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	S:53-45

EU - Hazardous Substances Restricted or Prohibited in Electrical Equipment (2002/95/EC) (RoHS)

• Phenol, 4-methyl	68610-51-5	Not Listed
• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	Not Listed
• 1-Propene, 2-methyl-	115-11-7	Not Listed
• MBTS	120-78-5	Not Listed
• Ethylene propylene diene rubber	25038-36-2	Not Listed

• TMDS	137-26-8	Not Listed
• Formaldehyde	50-00-0	Not Listed
• Calcium oxide	1305-78-8	Not Listed
• Carbon Black	1333-86-4	Not Listed
• Talc	14807-96-6	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Polybutene	9003-29-6	Not Listed
• Sulfur	7704-34-9	Not Listed
• ENB	16219-75-3	Not Listed
• p-Benzoquinone, 2,3,5,6-tetrachloro-	118-75-2	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed

EU - Inventory of Cosmetic Ingredients Directive (INCI) (76/768/EEC) - Other Ingredients

• Phenol, 4-methyl	68610-51-5	Not Listed
• Isobutylene-Isoprene polymer	9010-85-9	Viscosity controlling
• Isoprene	78-79-5	Not Listed
• 1-Propene, 2-methyl-	115-11-7	Not Listed
• MBTS	120-78-5	Not Listed
• Ethylene propylene diene rubber	25038-36-2	Not Listed
• TMDS	137-26-8	Not Listed
• Formaldehyde	50-00-0	Preservative
• Calcium oxide	1305-78-8	Buffering
• Carbon Black	1333-86-4	Cosmetic colorant
• Talc	14807-96-6	Absorbent; Bulking
• Zinc oxide	1314-13-2	Bulking (Zinc oxide); Cosmetic colorant (CI 77947); Skin protecting (Zinc oxide); UV absorber (Zinc oxide, other acceptable INCI name: ZINC OXIDE)
• Zinc oxide as Zinc compounds		Not Listed
• Polybutene	9003-29-6	Not Listed
• Sulfur	7704-34-9	Antidandruff; Antiseborrhoeic; Antistatic
• ENB	16219-75-3	Not Listed
• p-Benzoquinone, 2,3,5,6-tetrachloro-	118-75-2	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed

EU - Inventory of Cosmetic Ingredients Directive (INCI) (76/768/EEC) - Perfume and Aromatic Materials

• Phenol, 4-methyl	68610-51-5	Not Listed
• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	
• 1-Propene, 2-methyl-	115-11-7	Not Listed
• MBTS	120-78-5	Not Listed
• Ethylene propylene diene rubber	25038-36-2	Not Listed
• TMDS	137-26-8	Not Listed
• Formaldehyde	50-00-0	Not Listed
• Calcium oxide	1305-78-8	Not Listed
• Carbon Black	1333-86-4	Not Listed
• Talc	14807-96-6	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Polybutene	9003-29-6	Not Listed
• Sulfur	7704-34-9	Not Listed
• ENB	16219-75-3	Not Listed

• p-Benzoquinone, 2,3,5,6-tetrachloro-	118-75-2	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed

Germany

Labor

Germany - Immission Control - Qualifying Quantities for Major Accident Prevention

• Phenol, 4-methyl	68610-51-5	Not Listed
• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	Not Listed
• 1-Propene, 2-methyl-	115-11-7	Not Listed
• MBTS	120-78-5	Not Listed
• Ethylene propylene diene rubber	25038-36-2	Not Listed
• TMDS	137-26-8	Not Listed
• Formaldehyde	50-00-0	5000 kg ($\geq 90\%$ weight concentration)
• Calcium oxide	1305-78-8	Not Listed
• Carbon Black	1333-86-4	Not Listed
• Talc	14807-96-6	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Polybutene	9003-29-6	Not Listed
• Sulfur	7704-34-9	Not Listed
• ENB	16219-75-3	Not Listed
• p-Benzoquinone, 2,3,5,6-tetrachloro-	118-75-2	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed

Germany - Immission Control - Qualifying Quantities for Safety Reporting

• Phenol, 4-methyl	68610-51-5	Not Listed
• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	Not Listed
• 1-Propene, 2-methyl-	115-11-7	Not Listed
• MBTS	120-78-5	Not Listed
• Ethylene propylene diene rubber	25038-36-2	Not Listed
• TMDS	137-26-8	Not Listed
• Formaldehyde	50-00-0	50000 kg ($\geq 90\%$ weight concentration)
• Calcium oxide	1305-78-8	Not Listed
• Carbon Black	1333-86-4	Not Listed
• Talc	14807-96-6	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Polybutene	9003-29-6	Not Listed
• Sulfur	7704-34-9	Not Listed
• ENB	16219-75-3	Not Listed
• p-Benzoquinone, 2,3,5,6-tetrachloro-	118-75-2	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed

Germany - TRGS 505 - Specific Lead Regulations

• Phenol, 4-methyl	68610-51-5	Not Listed
• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	Not Listed
• 1-Propene, 2-methyl-	115-11-7	Not Listed

• MBTS	120-78-5	Not Listed
• Ethylene propylene diene rubber	25038-36-2	Not Listed
• TMDS	137-26-8	Not Listed
• Formaldehyde	50-00-0	Not Listed
• Calcium oxide	1305-78-8	Not Listed
• Carbon Black	1333-86-4	Not Listed
• Talc	14807-96-6	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Polybutene	9003-29-6	Not Listed
• Sulfur	7704-34-9	Not Listed
• ENB	16219-75-3	Not Listed
• p-Benzoquinone, 2,3,5,6-tetrachloro-	118-75-2	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed

Germany - TRGS 511 - Specific Ammonium Nitrate Regulations

• Phenol, 4-methyl	68610-51-5	Not Listed
• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	Not Listed
• 1-Propene, 2-methyl-	115-11-7	Not Listed
• MBTS	120-78-5	Not Listed
• Ethylene propylene diene rubber	25038-36-2	Not Listed
• TMDS	137-26-8	Not Listed
• Formaldehyde	50-00-0	Not Listed
• Calcium oxide	1305-78-8	Not Listed
• Carbon Black	1333-86-4	Not Listed
• Talc	14807-96-6	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Polybutene	9003-29-6	Not Listed
• Sulfur	7704-34-9	Not Listed
• ENB	16219-75-3	Not Listed
• p-Benzoquinone, 2,3,5,6-tetrachloro-	118-75-2	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed

Environment

Germany - TA Luft - Types and Classes

• Phenol, 4-methyl	68610-51-5	Not Listed
• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	Not Listed
• 1-Propene, 2-methyl-	115-11-7	Not Listed
• MBTS	120-78-5	Not Listed
• Ethylene propylene diene rubber	25038-36-2	Not Listed
• TMDS	137-26-8	Not Listed
• Formaldehyde	50-00-0	organic substance: 5.2.5, Class I
• Calcium oxide	1305-78-8	Not Listed
• Carbon Black	1333-86-4	Not Listed
• Talc	14807-96-6	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Polybutene	9003-29-6	Not Listed
• Sulfur	7704-34-9	Not Listed

• ENB	16219-75-3	Not Listed
• p-Benzoquinone, 2,3,5,6-tetrachloro-	118-75-2	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed

Germany - TA Luft - Emission Limits for Carcinogenic Substances

• Phenol, 4-methyl	68610-51-5	Not Listed
• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	Not Listed
• 1-Propene, 2-methyl-	115-11-7	Not Listed
• MBTS	120-78-5	Not Listed
• Ethylene propylene diene rubber	25038-36-2	Not Listed
• TMDS	137-26-8	Not Listed
• Formaldehyde	50-00-0	Not Listed
• Calcium oxide	1305-78-8	Not Listed
• Carbon Black	1333-86-4	Not Listed
• Talc	14807-96-6	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Polybutene	9003-29-6	Not Listed
• Sulfur	7704-34-9	Not Listed
• ENB	16219-75-3	Not Listed
• p-Benzoquinone, 2,3,5,6-tetrachloro-	118-75-2	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed

Germany - TA Luft - Emission Limits for Fibers

• Phenol, 4-methyl	68610-51-5	Not Listed
• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	Not Listed
• 1-Propene, 2-methyl-	115-11-7	Not Listed
• MBTS	120-78-5	Not Listed
• Ethylene propylene diene rubber	25038-36-2	Not Listed
• TMDS	137-26-8	Not Listed
• Formaldehyde	50-00-0	Not Listed
• Calcium oxide	1305-78-8	Not Listed
• Carbon Black	1333-86-4	Not Listed
• Talc	14807-96-6	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Polybutene	9003-29-6	Not Listed
• Sulfur	7704-34-9	Not Listed
• ENB	16219-75-3	Not Listed
• p-Benzoquinone, 2,3,5,6-tetrachloro-	118-75-2	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed

Germany - TA Luft - Emission Limits for Inorganic Dusts

• Phenol, 4-methyl	68610-51-5	Not Listed
• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	Not Listed
• 1-Propene, 2-methyl-	115-11-7	Not Listed
• MBTS	120-78-5	Not Listed
• Ethylene propylene diene rubber	25038-36-2	Not Listed

• TMDS	137-26-8	Not Listed
• Formaldehyde	50-00-0	Not Listed
• Calcium oxide	1305-78-8	Not Listed
• Carbon Black	1333-86-4	Not Listed
• Talc	14807-96-6	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Polybutene	9003-29-6	Not Listed
• Sulfur	7704-34-9	Not Listed
• ENB	16219-75-3	Not Listed
• p-Benzoquinone, 2,3,5,6-tetrachloro-	118-75-2	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed

Germany - TA Luft - Emission Limits for Inorganic Gases

• Phenol, 4-methyl	68610-51-5	Not Listed
• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	Not Listed
• 1-Propene, 2-methyl-	115-11-7	Not Listed
• MBTS	120-78-5	Not Listed
• Ethylene propylene diene rubber	25038-36-2	Not Listed
• TMDS	137-26-8	Not Listed
• Formaldehyde	50-00-0	Not Listed
• Calcium oxide	1305-78-8	Not Listed
• Carbon Black	1333-86-4	Not Listed
• Talc	14807-96-6	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Polybutene	9003-29-6	Not Listed
• Sulfur	7704-34-9	Not Listed
• ENB	16219-75-3	Not Listed
• p-Benzoquinone, 2,3,5,6-tetrachloro-	118-75-2	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed

Germany - TA Luft - Emission Limits for Organic Substances

• Phenol, 4-methyl	68610-51-5	Not Listed
• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	Not Listed
• 1-Propene, 2-methyl-	115-11-7	Not Listed
• MBTS	120-78-5	Not Listed
• Ethylene propylene diene rubber	25038-36-2	Not Listed
• TMDS	137-26-8	Not Listed
• Formaldehyde	50-00-0	0.10 kg/h Mass flow (Class I); 20 mg/m ³ Mass concentration (Class I)
• Calcium oxide	1305-78-8	Not Listed
• Carbon Black	1333-86-4	Not Listed
• Talc	14807-96-6	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Polybutene	9003-29-6	Not Listed
• Sulfur	7704-34-9	Not Listed
• ENB	16219-75-3	Not Listed
• p-Benzoquinone, 2,3,5,6-tetrachloro-	118-75-2	Not Listed

• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed

Germany - Water Classification (VwVwS) - Annex 1

• Phenol, 4-methyl	68610-51-5	Not Listed
• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	Not Listed
• 1-Propene, 2-methyl-	115-11-7	ID Number 1193, not considered hazardous to water
• MBTS	120-78-5	Not Listed
• Ethylene propylene diene rubber	25038-36-2	Not Listed
• TMDS	137-26-8	Not Listed
• Formaldehyde	50-00-0	Not Listed
• Calcium oxide	1305-78-8	Not Listed
• Carbon Black	1333-86-4	ID Number 1742, not considered hazardous to water
• Talc	14807-96-6	ID Number 1315, not considered hazardous to water
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Polybutene	9003-29-6	Not Listed
• Sulfur	7704-34-9	ID Number 842, not considered hazardous to water
• ENB	16219-75-3	Not Listed
• p-Benzoquinone, 2,3,5,6-tetrachloro-	118-75-2	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed

Germany - Water Classification (VwVwS) - Annex 2 - Water Hazard Classes

• Phenol, 4-methyl	68610-51-5	Not Listed
• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	ID Number 1285, hazard class 1 - low hazard to waters
• 1-Propene, 2-methyl-	115-11-7	Not Listed
• MBTS	120-78-5	ID Number 1322, hazard class 2 - hazard to waters
• Ethylene propylene diene rubber	25038-36-2	Not Listed
• TMDS	137-26-8	Not Listed
• Formaldehyde	50-00-0	ID Number 112, hazard class 2 - hazard to waters
• Calcium oxide	1305-78-8	ID Number 322, hazard class 1 - low hazard to waters
• Carbon Black	1333-86-4	Not Listed
• Talc	14807-96-6	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Polybutene	9003-29-6	Not Listed
• Sulfur	7704-34-9	ID Number 753, hazard class 1 - low hazard to waters
• ENB	16219-75-3	Not Listed
• p-Benzoquinone, 2,3,5,6-tetrachloro-	118-75-2	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	ID Number 6687, hazard class 2 - hazard to waters
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed

Germany - Water Classification (VwVwS) - Annex 3

• Phenol, 4-methyl	68610-51-5	ID Number 5241, hazard class 1 - low hazard to waters
• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	ID Number 1285, hazard class 1 - low hazard to waters
• 1-Propene, 2-methyl-	115-11-7	Not Listed
• MBTS	120-78-5	Not Listed
• Ethylene propylene diene rubber	25038-36-2	Not Listed
• TMDS	137-26-8	ID Number 6612, hazard class 3 - severe hazard to waters

• Formaldehyde	50-00-0	Not Listed
• Calcium oxide	1305-78-8	Not Listed
• Carbon Black	1333-86-4	Not Listed
• Talc	14807-96-6	Not Listed
• Zinc oxide	1314-13-2	ID Number 2187, hazard class 2 - hazard to waters
• Zinc oxide as Zinc compounds		Not Listed
• Polybutene	9003-29-6	ID Number 5271, hazard class 1 - low hazard to waters
• Sulfur	7704-34-9	Not Listed
• ENB	16219-75-3	ID Number 4536, hazard class 2 - hazard to waters
• p-Benzoquinone, 2,3,5,6-tetrachloro-	118-75-2	ID Number 3634, hazard class 2 - hazard to waters
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed

United States

Labor

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

• Phenol, 4-methyl	68610-51-5	Not Listed
• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	Not Listed
• 1-Propene, 2-methyl-	115-11-7	Not Listed
• MBTS	120-78-5	Not Listed
• Ethylene propylene diene rubber	25038-36-2	Not Listed
• TMDS	137-26-8	Not Listed
• Formaldehyde	50-00-0	1000 lb TQ
• Calcium oxide	1305-78-8	Not Listed
• Carbon Black	1333-86-4	Not Listed
• Talc	14807-96-6	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Polybutene	9003-29-6	Not Listed
• Sulfur	7704-34-9	Not Listed
• ENB	16219-75-3	Not Listed
• p-Benzoquinone, 2,3,5,6-tetrachloro-	118-75-2	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed

U.S. - OSHA - Specifically Regulated Chemicals

• Phenol, 4-methyl	68610-51-5	Not Listed
• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	Not Listed
• 1-Propene, 2-methyl-	115-11-7	Not Listed
• MBTS	120-78-5	Not Listed
• Ethylene propylene diene rubber	25038-36-2	Not Listed
• TMDS	137-26-8	Not Listed
• Formaldehyde	50-00-0	2 ppm STEL (Irritant and potential cancer hazard, See 29 CFR 1910.1048, 15 min); 0.5 ppm Action Level; 0.75 ppm TWA
• Calcium oxide	1305-78-8	Not Listed
• Carbon Black	1333-86-4	Not Listed
• Talc	14807-96-6	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Polybutene	9003-29-6	Not Listed
• Sulfur	7704-34-9	Not Listed

• ENB	16219-75-3	Not Listed
• p-Benzoquinone, 2,3,5,6-tetrachloro-	118-75-2	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed

Environment

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

• Phenol, 4-methyl	68610-51-5	Not Listed
• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	Not Listed
• 1-Propene, 2-methyl-	115-11-7	Not Listed
• MBTS	120-78-5	Not Listed
• Ethylene propylene diene rubber	25038-36-2	Not Listed
• TMDS	137-26-8	Not Listed
• Formaldehyde	50-00-0	
• Calcium oxide	1305-78-8	Not Listed
• Carbon Black	1333-86-4	Not Listed
• Talc	14807-96-6	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Polybutene	9003-29-6	Not Listed
• Sulfur	7704-34-9	Not Listed
• ENB	16219-75-3	Not Listed
• p-Benzoquinone, 2,3,5,6-tetrachloro-	118-75-2	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed

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

• Phenol, 4-methyl	68610-51-5	Not Listed
• 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
• MBTS	120-78-5	Not Listed
• Ethylene propylene diene rubber	25038-36-2	Not Listed
• TMDS	137-26-8	10 lb final RQ; 4.54 kg final RQ
• Formaldehyde	50-00-0	100 lb final RQ; 45.4 kg final RQ
• Calcium oxide	1305-78-8	Not Listed
• Carbon Black	1333-86-4	Not Listed
• Talc	14807-96-6	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Polybutene	9003-29-6	Not Listed
• Sulfur	7704-34-9	Not Listed
• ENB	16219-75-3	Not Listed
• p-Benzoquinone, 2,3,5,6-tetrachloro-	118-75-2	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed

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

• Phenol, 4-methyl	68610-51-5	Not Listed
• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	Not Listed
• 1-Propene, 2-methyl-	115-11-7	Not Listed

• MBTS	120-78-5	Not Listed
• Ethylene propylene diene rubber	25038-36-2	Not Listed
• TMDS	137-26-8	Not Listed
• Formaldehyde	50-00-0	Not Listed
• Calcium oxide	1305-78-8	Not Listed
• Carbon Black	1333-86-4	Not Listed
• Talc	14807-96-6	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Polybutene	9003-29-6	Not Listed
• Sulfur	7704-34-9	Not Listed
• ENB	16219-75-3	Not Listed
• p-Benzoquinone, 2,3,5,6-tetrachloro-	118-75-2	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed

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

• Phenol, 4-methyl	68610-51-5	Not Listed
• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	Not Listed
• 1-Propene, 2-methyl-	115-11-7	Not Listed
• MBTS	120-78-5	Not Listed
• Ethylene propylene diene rubber	25038-36-2	Not Listed
• TMDS	137-26-8	Not Listed
• Formaldehyde	50-00-0	100 lb EPCRA RQ
• Calcium oxide	1305-78-8	Not Listed
• Carbon Black	1333-86-4	Not Listed
• Talc	14807-96-6	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Polybutene	9003-29-6	Not Listed
• Sulfur	7704-34-9	Not Listed
• ENB	16219-75-3	Not Listed
• p-Benzoquinone, 2,3,5,6-tetrachloro-	118-75-2	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed

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

• Phenol, 4-methyl	68610-51-5	Not Listed
• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	Not Listed
• 1-Propene, 2-methyl-	115-11-7	Not Listed
• MBTS	120-78-5	Not Listed
• Ethylene propylene diene rubber	25038-36-2	Not Listed
• TMDS	137-26-8	Not Listed
• Formaldehyde	50-00-0	500 lb TPQ
• Calcium oxide	1305-78-8	Not Listed
• Carbon Black	1333-86-4	Not Listed
• Talc	14807-96-6	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Polybutene	9003-29-6	Not Listed
• Sulfur	7704-34-9	Not Listed
• ENB	16219-75-3	Not Listed

• p-Benzoquinone, 2,3,5,6-tetrachloro-	118-75-2	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed

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

• Phenol, 4-methyl	68610-51-5	Not Listed
• 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
• MBTS	120-78-5	Not Listed
• Ethylene propylene diene rubber	25038-36-2	Not Listed
• TMDS	137-26-8	1.0 % de minimis concentration
• Formaldehyde	50-00-0	0.1 % de minimis concentration
• Calcium oxide	1305-78-8	Not Listed
• Carbon Black	1333-86-4	Not Listed
• Talc	14807-96-6	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		1.0 % de minimis concentration (Chemical Category N982)
• Polybutene	9003-29-6	Not Listed
• Sulfur	7704-34-9	Not Listed
• ENB	16219-75-3	Not Listed
• p-Benzoquinone, 2,3,5,6-tetrachloro-	118-75-2	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed

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

• Phenol, 4-methyl	68610-51-5	Not Listed
• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	Not Listed
• 1-Propene, 2-methyl-	115-11-7	Not Listed
• MBTS	120-78-5	Not Listed
• Ethylene propylene diene rubber	25038-36-2	Not Listed
• TMDS	137-26-8	Not Listed
• Formaldehyde	50-00-0	Not Listed
• Calcium oxide	1305-78-8	Not Listed
• Carbon Black	1333-86-4	Not Listed
• Talc	14807-96-6	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Polybutene	9003-29-6	Not Listed
• Sulfur	7704-34-9	Not Listed
• ENB	16219-75-3	Not Listed
• p-Benzoquinone, 2,3,5,6-tetrachloro-	118-75-2	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed

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

• Phenol, 4-methyl	68610-51-5	Not Listed
• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	Not Listed
• 1-Propene, 2-methyl-	115-11-7	Not Listed
• MBTS	120-78-5	Not Listed
• Ethylene propylene diene rubber	25038-36-2	Not Listed
• TMDS	137-26-8	Not Listed

• Formaldehyde	50-00-0	Included in waste streams: K009, K010, K038, K040, K156, K157
• Calcium oxide	1305-78-8	Not Listed
• Carbon Black	1333-86-4	Not Listed
• Talc	14807-96-6	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Polybutene	9003-29-6	Not Listed
• Sulfur	7704-34-9	Not Listed
• ENB	16219-75-3	Not Listed
• p-Benzoquinone, 2,3,5,6-tetrachloro-	118-75-2	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed

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

• Phenol, 4-methyl	68610-51-5	Not Listed
• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	Not Listed
• 1-Propene, 2-methyl-	115-11-7	Not Listed
• MBTS	120-78-5	Not Listed
• Ethylene propylene diene rubber	25038-36-2	Not Listed
• TMDS	137-26-8	waste number U244
• Formaldehyde	50-00-0	waste number U122
• Calcium oxide	1305-78-8	Not Listed
• Carbon Black	1333-86-4	Not Listed
• Talc	14807-96-6	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Polybutene	9003-29-6	Not Listed
• Sulfur	7704-34-9	Not Listed
• ENB	16219-75-3	Not Listed
• p-Benzoquinone, 2,3,5,6-tetrachloro-	118-75-2	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed

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

• Phenol, 4-methyl	68610-51-5	Not Listed
• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	Not Listed
• 1-Propene, 2-methyl-	115-11-7	Not Listed
• MBTS	120-78-5	Not Listed
• Ethylene propylene diene rubber	25038-36-2	Not Listed
• TMDS	137-26-8	waste number U244
• Formaldehyde	50-00-0	waste number U122
• Calcium oxide	1305-78-8	Not Listed
• Carbon Black	1333-86-4	Not Listed
• Talc	14807-96-6	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Polybutene	9003-29-6	Not Listed
• Sulfur	7704-34-9	Not Listed
• ENB	16219-75-3	Not Listed
• p-Benzoquinone, 2,3,5,6-tetrachloro-	118-75-2	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed

- Hydrotreated heavy naphthenic distillates (petroleum) (Mild) 64742-52-5 Not Listed

United States - California

Environment

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

- | | | |
|--|------------|---|
| • Phenol, 4-methyl | 68610-51-5 | Not Listed |
| • 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 |
| • MBTS | 120-78-5 | Not Listed |
| • Ethylene propylene diene rubber | 25038-36-2 | Not Listed |
| • TMDS | 137-26-8 | Not Listed |
| • Formaldehyde | 50-00-0 | carcinogen, initial date 1/1/88 (gas) |
| • Calcium oxide | 1305-78-8 | Not Listed |
| • Carbon Black | 1333-86-4 | carcinogen, initial date 2/21/03 (airborne, unbound particles of respirable size) |
| • Talc | 14807-96-6 | Not Listed |
| • Zinc oxide | 1314-13-2 | Not Listed |
| • Zinc oxide as Zinc compounds | | Not Listed |
| • Polybutene | 9003-29-6 | Not Listed |
| • Sulfur | 7704-34-9 | Not Listed |
| • ENB | 16219-75-3 | Not Listed |
| • p-Benzoquinone, 2,3,5,6-tetrachloro- | 118-75-2 | Not Listed |
| • Phenol, p-(1,1,3,3-tetramethylbutyl)- | 140-66-9 | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Mild) | 64742-52-5 | Not Listed |

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

- | | | |
|--|------------|------------|
| • Phenol, 4-methyl | 68610-51-5 | Not Listed |
| • Isobutylene-Isoprene polymer | 9010-85-9 | Not Listed |
| • Isoprene | 78-79-5 | Not Listed |
| • 1-Propene, 2-methyl- | 115-11-7 | Not Listed |
| • MBTS | 120-78-5 | Not Listed |
| • Ethylene propylene diene rubber | 25038-36-2 | Not Listed |
| • TMDS | 137-26-8 | Not Listed |
| • Formaldehyde | 50-00-0 | Not Listed |
| • Calcium oxide | 1305-78-8 | Not Listed |
| • Carbon Black | 1333-86-4 | Not Listed |
| • Talc | 14807-96-6 | Not Listed |
| • Zinc oxide | 1314-13-2 | Not Listed |
| • Zinc oxide as Zinc compounds | | Not Listed |
| • Polybutene | 9003-29-6 | Not Listed |
| • Sulfur | 7704-34-9 | Not Listed |
| • ENB | 16219-75-3 | Not Listed |
| • p-Benzoquinone, 2,3,5,6-tetrachloro- | 118-75-2 | Not Listed |
| • Phenol, p-(1,1,3,3-tetramethylbutyl)- | 140-66-9 | Not Listed |
| • Hydrotreated heavy naphthenic distillates (petroleum) (Mild) | 64742-52-5 | Not Listed |

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

- | | | |
|--------------------------------|------------|------------|
| • Phenol, 4-methyl | 68610-51-5 | Not Listed |
| • Isobutylene-Isoprene polymer | 9010-85-9 | Not Listed |
| • Isoprene | 78-79-5 | Not Listed |
| • 1-Propene, 2-methyl- | 115-11-7 | Not Listed |

• MBTS	120-78-5	Not Listed
• Ethylene propylene diene rubber	25038-36-2	Not Listed
• TMDS	137-26-8	Not Listed
• Formaldehyde	50-00-0	Not Listed
• Calcium oxide	1305-78-8	Not Listed
• Carbon Black	1333-86-4	Not Listed
• Talc	14807-96-6	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Polybutene	9003-29-6	Not Listed
• Sulfur	7704-34-9	Not Listed
• ENB	16219-75-3	Not Listed
• p-Benzoquinone, 2,3,5,6-tetrachloro-	118-75-2	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed

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

• Phenol, 4-methyl	68610-51-5	Not Listed
• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	Not Listed
• 1-Propene, 2-methyl-	115-11-7	Not Listed
• MBTS	120-78-5	Not Listed
• Ethylene propylene diene rubber	25038-36-2	Not Listed
• TMDS	137-26-8	Not Listed
• Formaldehyde	50-00-0	40 µg/day NSRL (gas)
• Calcium oxide	1305-78-8	Not Listed
• Carbon Black	1333-86-4	Not Listed
• Talc	14807-96-6	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Polybutene	9003-29-6	Not Listed
• Sulfur	7704-34-9	Not Listed
• ENB	16219-75-3	Not Listed
• p-Benzoquinone, 2,3,5,6-tetrachloro-	118-75-2	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed

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

• Phenol, 4-methyl	68610-51-5	Not Listed
• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	Not Listed
• 1-Propene, 2-methyl-	115-11-7	Not Listed
• MBTS	120-78-5	Not Listed
• Ethylene propylene diene rubber	25038-36-2	Not Listed
• TMDS	137-26-8	Not Listed
• Formaldehyde	50-00-0	Not Listed
• Calcium oxide	1305-78-8	Not Listed
• Carbon Black	1333-86-4	Not Listed
• Talc	14807-96-6	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Polybutene	9003-29-6	Not Listed
• Sulfur	7704-34-9	Not Listed
• ENB	16219-75-3	Not Listed

• p-Benzoquinone, 2,3,5,6-tetrachloro-	118-75-2	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed

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

• Phenol, 4-methyl	68610-51-5	Not Listed
• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	Not Listed
• 1-Propene, 2-methyl-	115-11-7	Not Listed
• MBTS	120-78-5	Not Listed
• Ethylene propylene diene rubber	25038-36-2	Not Listed
• TMDS	137-26-8	Not Listed
• Formaldehyde	50-00-0	Not Listed
• Calcium oxide	1305-78-8	Not Listed
• Carbon Black	1333-86-4	Not Listed
• Talc	14807-96-6	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Polybutene	9003-29-6	Not Listed
• Sulfur	7704-34-9	Not Listed
• ENB	16219-75-3	Not Listed
• p-Benzoquinone, 2,3,5,6-tetrachloro-	118-75-2	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed

United States - Pennsylvania

Labor

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

• Phenol, 4-methyl	68610-51-5	Not Listed
• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	
• 1-Propene, 2-methyl-	115-11-7	Not Listed
• MBTS	120-78-5	Not Listed
• Ethylene propylene diene rubber	25038-36-2	Not Listed
• TMDS	137-26-8	
• Formaldehyde	50-00-0	
• Calcium oxide	1305-78-8	Not Listed
• Carbon Black	1333-86-4	Not Listed
• Talc	14807-96-6	Not Listed
• Zinc oxide	1314-13-2	(fume)
• Zinc oxide as Zinc compounds		
• Polybutene	9003-29-6	Not Listed
• Sulfur	7704-34-9	Not Listed
• ENB	16219-75-3	Not Listed
• p-Benzoquinone, 2,3,5,6-tetrachloro-	118-75-2	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed

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

• Phenol, 4-methyl	68610-51-5	Not Listed
• Isobutylene-Isoprene polymer	9010-85-9	Not Listed
• Isoprene	78-79-5	Not Listed
• 1-Propene, 2-methyl-	115-11-7	Not Listed

• MBTS	120-78-5	Not Listed
• Ethylene propylene diene rubber	25038-36-2	Not Listed
• TMDS	137-26-8	Not Listed
• Formaldehyde	50-00-0	
• Calcium oxide	1305-78-8	Not Listed
• Carbon Black	1333-86-4	Not Listed
• Talc	14807-96-6	Not Listed
• Zinc oxide	1314-13-2	Not Listed
• Zinc oxide as Zinc compounds		Not Listed
• Polybutene	9003-29-6	Not Listed
• Sulfur	7704-34-9	Not Listed
• ENB	16219-75-3	Not Listed
• p-Benzoquinone, 2,3,5,6-tetrachloro-	118-75-2	Not Listed
• Phenol, p-(1,1,3,3-tetramethylbutyl)-	140-66-9	Not Listed
• Hydrotreated heavy naphthenic distillates (petroleum) (Mild)	64742-52-5	Not Listed

15.2 Chemical Safety Assessment

- Chemical Safety Assessment is not required.

Section 16 - Other Information

Last Revision Date

- 05/August/2013

Preparation Date

- 05/August/2013

Disclaimer/Statement of Liability

- The information contained herein is based on data considered accurate which has been obtained from other companies and organizations. However, no warranty or representation is expressed or implied that the information, is accurate, complete or representative. Firestone Building Products Company, LLC assumes no responsibility for injury to the buyer, the buyer's employees, or any third persons, if reasonable safety procedures are not followed. Additionally, Firestone Building Products Company assumes no responsibility for injury to buyer, the buyer's employees, or any third persons caused by abnormal use of this material, even if reasonable safety procedures are followed.

Key to abbreviations

NDA = No Data Available