

Acute (Immediate)

- Under normal conditions of use, no health effects are expected. If the membrane is torch applied, asphalt fumes can be emitted by the product and cause irritation to the nose, throat and the respiratory tract, tiredness, headaches, dizziness, nausea and insomnia.

Chronic (Delayed)

- No data available.

Skin**Acute (Immediate)**

- Product can cause mechanical irritation of the skin because of its rough surface. If membrane is torch applied, asphalt fumes can cause irritation of the skin. Contact with the product at high temperature can cause thermal burns.

Chronic (Delayed)

- Repeated and prolonged exposure may cause irritation. If the membrane is torch applied, asphalt fumes can be emitted. Long term exposure to asphalt fumes can cause changes in the pigmentation of the skin, which can be worsened by exposure to the sun.

Eye**Acute (Immediate)**

- Under normal conditions of use, no health effects are expected. If the membrane is torch applied, asphalt fumes can be emitted by the product and cause irritation of the eye, redness and conjunctivitis. Contact with this product at high temperatures can cause thermal burns.

Chronic (Delayed)

- No data available.

Ingestion**Acute (Immediate)**

- Exposure is not likely to occur by this route of entry during normal use of this product.

Chronic (Delayed)

- No data available.

Mutagenic Effects

- No data available.

Carcinogenic Effects

- Due to the product form, exposure to hazardous dusts or fumes is not expected to occur during regular use. Information on carcinogenicity is given for reference only. This product is not classifiable as a carcinogen.

Carcinogenic Effects			
	CAS	IARC	NTP
Styrene polymer with 1,3-butadiene (Kraton)	9003-55-8	Group 3-Not Classifiable	Not established
Glass, oxide, chemicals as Glass wool fiber	NDA	Group 3-Not Classifiable	Reasonably Anticipated to be Human Carcinogen
Antimony oxide (Sb ₂ O ₃)	1309-64-4	Group 2B-Possible Carcinogen	Not established
Ether, bis (pentabromophenyl)	1163-19-5	Group 3-Not Classifiable	Evidence of Carcinogenicity
Ethene, homopolymer	9002-88-4	Group 3-Not Classifiable	Not established
Asphalt	8052-42-4	Group 2B-Possible Carcinogen	Not established
Quartz	14808-60-7	Group 1-Carcinogenic	Known Human Carcinogen
Talc	14807-96-6	Group 3-Not Classifiable	Evidence of Carcinogenicity

Reproductive Effects

- No data available.

See Section 12 for Ecological Information.

Section 3 - Composition/Information on Ingredients

Hazardous Components

Chemical Name	CAS	%(weight)	UN;EINECS	LD50/LC50	EU Classification & R Phrases	Other
Asphalt	8052-42-4	30% TO 70%	NA1999, 232-490-9	Ingestion/Oral-Rat LD50 · >5000 mg/kg Inhalation-Rat LC50 · >94.4 mg/m ³	NDA	Bituminous Blend
Coloured granules	NDA	15% TO 40%	NDA	NDA	NDA	Underface and Surface
Carbonic acid calcium salt (1:1)	471-34-1	0% TO 40%	207-439-9	Ingestion/Oral-Rat LD50 · 6450 mg/kg	NDA	Bituminous Blend
Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	10% TO 30%	265-155-0	NDA	Carc.Cat.2; R45	Bituminous Blend
Quartz	14808-60-7	7% TO 25%	238-878-4	NDA	NDA	Underface and Surface
Silicone paper	NDA	6% TO 20%	NDA	NDA	NDA	Underface and Surface
Colemanite	1318-33-8	7% TO 15%	NDA	NDA	NDA	Bituminous Blend
Aluminum, copper or stainless steel foil		4% TO 15%	NDA	NDA	NDA	Underface and Surface
Styrene polymer with 1,3-butadiene (Kraton)	9003-55-8	0% TO 15%	NDA	NDA	NDA	Bituminous Blend
Sand, blasting	NDA	7% TO 13%	NDA	NDA	NDA	Underface and Surface
Talc	14807-96-6	7% TO 13%	238-877-9	NDA	NDA	Underface and Surface
Ethene, homopolymer	9002-88-4	2% TO 10%	NDA	Ingestion/Oral-Rat LD50 · >8 g/kg Inhalation-Rat LC50 · 75.5 g/m ³ 30 Minute(s)	NDA	Underface and Surface
Polypropylene film	NDA	2% TO 10%	NDA	NDA	NDA	Underface and Surface
Fibre glass mat	NDA	1% TO 7%	NDA	NDA	NDA	Reinforcement
Polyester mat	NDA	1% TO 7%	NDA	NDA	NDA	Reinforcement
Glass, oxide, chemicals	65997-17-3	0.5% TO 7%	266-046-0	NDA	NDA	Reinforcement
Antimony oxide (Sb ₂ O ₃)	1309-64-4	1% TO 5%	215-175-0	NDA	Carc.Cat.3; R40	Bituminous Blend
Ether, bis (pentabromophenyl)	1163-19-5	1% TO 5%	214-604-9	Ingestion/Oral-Rat LD50 · 2 g/kg Skin-Rabbit LD50 · 2 g/kg 24 Hour(s) Inhalation-Rabbit LC50 · 48.2 g/m ³ 1 Hour(s)	NDA	Bituminous Blend

Under United States Regulations (29 CFR 1910.1200(c) - Hazard Communication Standard), the product(s) listed above are exempt as article(s) under stated normal conditions of use. Under Canadian regulations (Workplace Hazardous Materials Information System (WHMIS) - Hazardous Products Act (HPA), Section 11(1)), these product(s) are exempt and considered manufactured article(s) under stated normal conditions of use. This product as an article is outside the scope of the UN Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

See Section 11 for Toxicological Information.

Section 4 - 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**
 - Wash skin with soap and water. If signs/symptoms develop, get medical attention. In the event of contact with melted product, do not try to remove the product from the affected area and rinse the area affected in cold water. Obtain immediate medical attention.
- Eye**
 - If contact with material occurs flush eyes with water. Do not attempt to remove material from affected area without medical assistance. Get medical attention immediately.
- 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.

See Section 2 for Potential Health Effects.

Section 5 - Fire Fighting Measures

- Extinguishing Media**
 - Foam, CO2, sand or chemical powder.
- Unsuitable Extinguishing Media**
 - No data available.
- Firefighting Procedures**
 - Stay upwind.
Cool the material with flooding quantities of water until well after the fire is out. Move material from fire area if it can be done without risk.
- Unusual Fire and Explosion Hazards**
 - Asphalt fumes are flammable.
- Hazardous Combustion Products**
 - Burning of this material will product thick black smoke. Irritating and/or toxic gases including Hydrogen sulphide and Sulphur dioxide, traces of metallic fumes may be generated by thermal decomposition or combustion.
- Protection of Firefighters**
 - Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.

Section 6 - Accidental Release Measures

- Personal Precautions**
 - Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- Emergency Procedures**
 - If hot material is spilled: eliminate ignition sources and ventilate enclosed spaces before entering. If unheated material is spilled no special emergency procedures are necessary.
- Environmental Precautions**
 - Prevent entry into waterways and sewers.
- Containment/Clean-up Measures**
 - Carefully shovel or sweep up spilled material and place in suitable container. If hot material is spilled allow enough time to cool completely and remove to container for disposal. Wash spill area with soap and water.

Section 7 - Handling and Storage

- Handling**
 - Use good safety and industrial hygiene practices.
- Storage**
 - Store in a cool, dry place. Store away from heat, sparks and open flames. Store material in such a way to prevent any creasing, twisting, scratches and other damages to the roof.
- Special Packaging Materials**
 - No data available
- Incompatible Materials or Ignition Sources**
 - Keep away from acids, bases, organic solvents and greasy substances.

Section 8 - Exposure Controls/Personal Protection

Personal Protective Equipment

Pictograms



Respiratory

- Respiratory protection may be needed if exposure limit for dust is exceeded or if the material is used in poorly ventilated area. Follow the OSHA respirator regulations found in 29 CFR 1910.134.

Eye/Face

- Wear safety glasses or goggles.

Hands

- Wear appropriate gloves.

Skin/Body

- Wear appropriate protective clothing. Do not wear synthetic fabric.

General Industrial Hygiene Considerations

- Handle in accordance with good industrial hygiene and safety practice. At the end of each work day clean parts of body which come in contact with asphalt fumes. Wash clothing contaminated by asphalt fumes.

Exposure Limits/Guidelines			
	Result	ACGIH	NIOSH
Carbonic acid calcium salt (1:1) (471-34-1)	TWAs	Not established	10 mg/m3 TWA (total dust); 5 mg/m3 TWA (respirable dust)
Glass, oxide, chemicals	TWAs	1 fiber/cm3 TWA (respirable fibers: length >5 µm, aspect ratio >=3:1, as determined by the membrane filter method at 400-450X magnification [4-mm objective], using phase-contrast illumination) <i>as Glass wool fiber</i>	3 fibers/cm3 TWA (fibers <= 3.5 µm in diameter and >= 10 µm in length); 5 mg/m3 TWA (total) <i>as Glass wool fiber</i>
Talc (14807-96-6)	TWAs	2 mg/m3 TWA (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction)	2 mg/m3 TWA (containing no asbestos and less than 1% quartz, respirable dust)
Quartz (14808-60-7)	TWAs	0.025 mg/m3 TWA (respirable fraction)	0.05 mg/m3 TWA (respirable dust)
Asphalt (8052-42-4)	TWAs	0.5 mg/m3 TWA (as benzene soluble aerosol, fume, inhalable fraction)	Not established
	Ceilings	Not established	5 mg/m3 Ceiling (fume, 15 min)

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

Physical Form:	Solid	Appearance/Description:	Bitumen membrane, asphalt odor.
Color:	Black	Odor:	Asphalt
Taste:	No data available	Particulate Type:	No data available
Particulate Size:	No data available	Aerosol Type:	No data available
Odor Threshold:	No data available	Boiling Point:	No data available
Melting Point:	No data available	Decomposition Temperature:	No data available
Heat of Decomposition:	No data available	pH:	No data available
Specific Gravity/Relative Density:	Variable	Density:	No data available
Bulk Density:	No data available	Water Solubility:	No data available
Solvent Solubility:	No data available	Viscosity:	No data available
Vapor Pressure:	No data available	Vapor Density:	No data available
Evaporation Rate:	No data available	VOC (Wt.):	No data available
VOC (Vol.):	No data available	Volatiles (Wt.):	No data available

Volatiles (Vol.):	No data available	Flash Point:	No data available
Flash Point Test Type:	No data available	UEL:	No data available
LEL:	No data available	Heat of Combustion (ΔHc):	No data available
Autoignition:	No data available	Self-Accelerating Decomposition Temperature (SADT):	No data available
Burning Time:	No data available	Flame Duration:	No data available
Flame Height:	No data available	Flame Extension:	No data available
Ignition Distance:	No data available	Half-Life:	No data available
Octanol/Water Partition coefficient:	No data available	Coefficient of water/oil distribution:	No data available
Bioaccumulation Factor:	No data available	Bioconcentration Factor:	No data available
Biochemical Oxygen Demand BOD/BOD5:	No data available	Chemical Oxygen Demand:	No data available
Persistence:	No data available	Degradation:	No data available

Section 10 - Stability and Reactivity

Stability	<ul style="list-style-type: none"> Stable under normal temperatures and pressures.
Hazardous Polymerization Conditions to Avoid	<ul style="list-style-type: none"> Hazardous polymerization will not occur. Excess heat (250°F and above)
Incompatible Materials	<ul style="list-style-type: none"> Acids, bases, organic solvents and greasy substances.
Hazardous Decomposition Products	<ul style="list-style-type: none"> If the membrane is torch applied asphalt fumes may be produced.

Section 11 - Toxicological Information

Component Name	Concentration	CAS	Data
Asphalt	30% TO 70%	8052-42-4	Acute Toxicity: ihl-rat TCLo:100 mg/m3/14W-l
Carbonic acid calcium salt (1:1)	0% TO 40%	471-34-1	Acute Toxicity: orl-rat TDLo:10 mg/kg; Irritation: eye-rbt 750 ug/24H SEV
Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	10% TO 30%	64742-52-5	Acute Toxicity: orl-rat LD :>5 gm/kg; skn-rbt LD :>5 gm/kg; Irritation: skn-rbt 500 mg SEV; Tumorigen/Carcinogen: skn-mus TD :398 gm/kg/22W-l
Quartz	7% TO 25%	14808-60-7	Acute Toxicity: ihl-rat TCLo:25 mg/m3/5D-l; Tumorigen/Carcinogen: ihl-rat TCLo:50 mg/m3/6H/71W-l
Styrene polymer with 1,3-butadiene (Kraton)	0% TO 15%	9003-55-8	Irritation: eye-rbt 500 mg/24H MLD
Ethene, homopolymer	2% TO 10%	9002-88-4	Acute Toxicity: orl-rat LD50:>8 gm/kg
Glass, oxide, chemicals	0.5% TO 7%	65997-17-3	Acute Toxicity: ihl-rat TCLo:16 mg/m3/6H/13W-l
Antimony oxide (Sb2O3)	1% TO 5%	1309-64-4	Acute Toxicity: ihl-rat TCLo:72 ug/m3/24H/17W-C; Irritation: eye-rbt 100 mg MLD; Reproductive: ihl-rat TCLo:82 ug/m3 (1-21D preg); Tumorigen/Carcinogen: ihl-rat TCLo:4200 ug/m3/52W-l
Ether, bis(pentabromophenyl)	1% TO 5%	1163-19-5	Acute Toxicity: orl-mus TDLo:20.1 mg/kg; Irritation: eye-rbt 100 uL SEV; Reproductive: orl-rat TDLo:100 mg/kg (6-15D preg)

Section 12 - Ecological Information

Ecological Fate	▪ No data available
Persistence/Degradability	▪ This product is not biodegradable.
Bioaccumulation Potential	▪ No possible bioaccumulation and unlikely bioconcentration in the food chain.
Mobility in Soil	▪ No data available

Section 13 - Disposal Considerations

Product	▪ Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.
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Section 14 - Transportation Information

This material is not a regulated hazardous material with respect to the following transportation regulations: United States Department of Transportation (US DOT) and Canadian Transportation of Dangerous Goods (TDG).

Section 15 - Regulatory Information

SARA Hazard Classifications ▪ None

State Right To Know				
Component	CAS	MA	NJ	PA
Asphalt	8052-42-4	Yes	Yes	Yes
Coloured granules	NDA	No	No	No
Carbonic acid calcium salt (1:1)	471-34-1	No	No	No
Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	No	No	No
Quartz	14808-60-7	Yes	Yes	Yes
Silicone paper	NDA	No	No	No
Colemanite	1318-33-8	No	No	No
Aluminum, copper or stainless steel foil	NDA	No	No	No
Styrene polymer with 1,3-butadiene (Kraton)	9003-55-8	No	No	No
Sand, blasting	NDA	No	No	No
Talc	14807-96-6	Yes	Yes	Yes
Ethene, homopolymer	9002-88-4	No	No	No
Polypropylene film	NDA	No	No	No
Fibre glass mat	NDA	No	No	No
Polyester mat	NDA	No	No	No
Glass, oxide, chemicals	65997-17-3	Yes	No	Yes

Antimony oxide (Sb2O3)	1309-64-4	Yes	Yes	Yes
			Yes	Yes
Ether, bis (pentabromophenyl)	1163-19-5	Yes	Yes	Yes

Inventory				
Component	CAS	Canada DSL	Canada NDSL	TSCA
Asphalt	8052-42-4	Yes	No	Yes
Coloured granules	NDA	No	No	No
Carbonic acid calcium salt (1:1)	471-34-1	Yes	No	Yes
Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	Yes	No	Yes
Quartz	14808-60-7	Yes	No	Yes
Silicone paper	NDA	No	No	No
Colemanite	1318-33-8	No	No	No
Aluminum, copper or stainless steel foil	NDA	No	No	No
Styrene polymer with 1,3-butadiene (Kraton)	9003-55-8	Yes	No	Yes
Sand, blasting	NDA	No	No	No
Talc	14807-96-6	Yes	No	Yes
Ethene, homopolymer	9002-88-4	Yes	No	Yes
Polypropylene film	NDA	No	No	No
Fibre glass mat	NDA	No	No	No
Polyester mat	NDA	No	No	No
Glass, oxide, chemicals	65997-17-3	Yes	No	Yes
Antimony oxide (Sb2O3)	1309-64-4	Yes	No	Yes
Ether, bis (pentabromophenyl)	1163-19-5	Yes	No	Yes

Canada

Labor

Canada - WHMIS - Ingredient Disclosure List

● Ether, bis(pentabromophenyl)	1163-19-5	1% TO 5%	Not Listed
● Styrene polymer with 1,3-butadiene (Kraton)	9003-55-8	0% TO 15%	Not Listed
● Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	10% TO 30%	Not Listed
● Talc	14807-96-6	7% TO 13%	Not Listed
● Antimony oxide (Sb2O3)	1309-64-4	1% TO 5%	1 %
● Asphalt	8052-42-4	30% TO 70%	Not Listed
● Glass, oxide, chemicals	65997-17-3	0.5% TO 7%	Not Listed
● Carbonic acid calcium salt (1:1)	471-34-1	0% TO 40%	Not Listed
● Ethene, homopolymer	9002-88-4	2% TO 10%	Not Listed
● Quartz	14808-60-7	7% TO 25%	1 %
● Colemanite	1318-33-8	7% TO 15%	Not Listed

Environment

Canada - CEPA - Priority Substances List

● Ether, bis(pentabromophenyl)	1163-19-5	1% TO 5%	Not Listed
● Styrene polymer with 1,3-butadiene (Kraton)	9003-55-8	0% TO 15%	Not Listed
● Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	10% TO 30%	Not Listed
● Talc	14807-96-6	7% TO 13%	Not Listed
● Antimony oxide (Sb2O3)	1309-64-4	1% TO 5%	Not Listed
● Asphalt	8052-42-4	30% TO 70%	Not Listed
● Glass, oxide, chemicals	65997-17-3	0.5% TO 7%	Not Listed
● Carbonic acid calcium salt (1:1)	471-34-1	0% TO 40%	Not Listed
● Ethene, homopolymer	9002-88-4	2% TO 10%	Not Listed
● Quartz	14808-60-7	7% TO 25%	Not Listed
● Colemanite	1318-33-8	7% TO 15%	Not Listed

United States

Labor

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

● Ether, bis(pentabromophenyl)	1163-19-5	1% TO 5%	Not Listed
● Styrene polymer with 1,3-butadiene (Kraton)	9003-55-8	0% TO 15%	Not Listed
● Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	10% TO 30%	Not Listed
● Talc	14807-96-6	7% TO 13%	Not Listed
● Antimony oxide (Sb2O3)	1309-64-4	1% TO 5%	Not Listed
● Asphalt	8052-42-4	30% TO 70%	Not Listed
● Glass, oxide, chemicals	65997-17-3	0.5% TO 7%	Not Listed
● Carbonic acid calcium salt (1:1)	471-34-1	0% TO 40%	Not Listed
● Ethene, homopolymer	9002-88-4	2% TO 10%	Not Listed
● Quartz	14808-60-7	7% TO 25%	Not Listed
● Colemanite	1318-33-8	7% TO 15%	Not Listed

U.S. - OSHA - Specifically Regulated Chemicals

● Ether, bis(pentabromophenyl)	1163-19-5	1% TO 5%	Not Listed
● Styrene polymer with 1,3-butadiene (Kraton)	9003-55-8	0% TO 15%	Not Listed
● Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	10% TO 30%	Not Listed
● Talc	14807-96-6	7% TO 13%	Not Listed
● Antimony oxide (Sb2O3)	1309-64-4	1% TO 5%	Not Listed
● Asphalt	8052-42-4	30% TO 70%	Not Listed
● Glass, oxide, chemicals	65997-17-3	0.5% TO 7%	Not Listed
● Carbonic acid calcium salt (1:1)	471-34-1	0% TO 40%	Not Listed

● Ethene, homopolymer	9002-88-4	2% TO 10%	Not Listed
● Quartz	14808-60-7	7% TO 25%	Not Listed
● Colemanite	1318-33-8	7% TO 15%	Not Listed

Environment

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

● Ether, bis(pentabromophenyl)	1163-19-5	1% TO 5%	Not Listed
● Styrene polymer with 1,3-butadiene (Kraton)	9003-55-8	0% TO 15%	Not Listed
● Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	10% TO 30%	Not Listed
● Talc	14807-96-6	7% TO 13%	Not Listed
● Antimony oxide (Sb2O3)	1309-64-4	1% TO 5%	Not Listed
● Asphalt	8052-42-4	30% TO 70%	Not Listed
● Glass, oxide, chemicals	65997-17-3	0.5% TO 7%	Not Listed
● Carbonic acid calcium salt (1:1)	471-34-1	0% TO 40%	Not Listed
● Ethene, homopolymer	9002-88-4	2% TO 10%	Not Listed
● Quartz	14808-60-7	7% TO 25%	Not Listed
● Colemanite	1318-33-8	7% TO 15%	Not Listed

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

● Ether, bis(pentabromophenyl)	1163-19-5	1% TO 5%	Not Listed
● Styrene polymer with 1,3-butadiene (Kraton)	9003-55-8	0% TO 15%	Not Listed
● Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	10% TO 30%	Not Listed
● Talc	14807-96-6	7% TO 13%	Not Listed
● Antimony oxide (Sb2O3)	1309-64-4	1% TO 5%	1000 lb final RQ; 454 kg final RQ
● Asphalt	8052-42-4	30% TO 70%	Not Listed
● Glass, oxide, chemicals	65997-17-3	0.5% TO 7%	Not Listed
● Carbonic acid calcium salt (1:1)	471-34-1	0% TO 40%	Not Listed
● Ethene, homopolymer	9002-88-4	2% TO 10%	Not Listed
● Quartz	14808-60-7	7% TO 25%	Not Listed
● Colemanite	1318-33-8	7% TO 15%	Not Listed

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

● Ether, bis(pentabromophenyl)	1163-19-5	1% TO 5%	Not Listed
● Styrene polymer with 1,3-butadiene (Kraton)	9003-55-8	0% TO 15%	Not Listed
● Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	10% TO 30%	Not Listed
● Talc	14807-96-6	7% TO 13%	Not Listed
● Antimony oxide (Sb2O3)	1309-64-4	1% TO 5%	Not Listed
● Asphalt	8052-42-4	30% TO 70%	Not Listed
● Glass, oxide, chemicals	65997-17-3	0.5% TO 7%	Not Listed
● Carbonic acid calcium salt (1:1)	471-34-1	0% TO 40%	Not Listed
● Ethene, homopolymer	9002-88-4	2% TO 10%	Not Listed
● Quartz	14808-60-7	7% TO 25%	Not Listed
● Colemanite	1318-33-8	7% TO 15%	Not Listed

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

● Ether, bis(pentabromophenyl)	1163-19-5	1% TO 5%	Not Listed
● Styrene polymer with 1,3-butadiene (Kraton)	9003-55-8	0% TO 15%	Not Listed
● Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	10% TO 30%	Not Listed
● Talc	14807-96-6	7% TO 13%	Not Listed
● Antimony oxide (Sb2O3)	1309-64-4	1% TO 5%	Not Listed
● Asphalt	8052-42-4	30% TO 70%	Not Listed
● Glass, oxide, chemicals	65997-17-3	0.5% TO 7%	Not Listed
● Carbonic acid calcium salt (1:1)	471-34-1	0% TO 40%	Not Listed
● Ethene, homopolymer	9002-88-4	2% TO 10%	Not Listed

● Quartz	14808-60-7	7% TO 25%	Not Listed
● Colemanite	1318-33-8	7% TO 15%	Not Listed

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

● Ether, bis(pentabromophenyl)	1163-19-5	1% TO 5%	1.0 % de minimis concentration
● Styrene polymer with 1,3-butadiene (Kraton)	9003-55-8	0% TO 15%	Not Listed
● Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	10% TO 30%	Not Listed
● Talc	14807-96-6	7% TO 13%	Not Listed
● Antimony oxide (Sb2O3)	1309-64-4	1% TO 5%	Not Listed
● Asphalt	8052-42-4	30% TO 70%	Not Listed
● Glass, oxide, chemicals	65997-17-3	0.5% TO 7%	Not Listed
● Carbonic acid calcium salt (1:1)	471-34-1	0% TO 40%	Not Listed
● Ethene, homopolymer	9002-88-4	2% TO 10%	Not Listed
● Quartz	14808-60-7	7% TO 25%	Not Listed
● Colemanite	1318-33-8	7% TO 15%	Not Listed

United States - California

Environment

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

● Ether, bis(pentabromophenyl)	1163-19-5	1% TO 5%	Not Listed
● Styrene polymer with 1,3-butadiene (Kraton)	9003-55-8	0% TO 15%	Not Listed
● Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	10% TO 30%	Not Listed
● Talc	14807-96-6	7% TO 13%	Not Listed
● Antimony oxide (Sb2O3)	1309-64-4	1% TO 5%	carcinogen, initial date 10/1/90
● Asphalt	8052-42-4	30% TO 70%	Not Listed
● Glass, oxide, chemicals	65997-17-3	0.5% TO 7%	Not Listed
● Carbonic acid calcium salt (1:1)	471-34-1	0% TO 40%	Not Listed
● Ethene, homopolymer	9002-88-4	2% TO 10%	Not Listed
● Quartz	14808-60-7	7% TO 25%	carcinogen, initial date 10/1/88 (airborne particles of respirable size)
● Colemanite	1318-33-8	7% TO 15%	Not Listed

United States - Pennsylvania

Labor

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

● Ether, bis(pentabromophenyl)	1163-19-5	1% TO 5%	
● Styrene polymer with 1,3-butadiene (Kraton)	9003-55-8	0% TO 15%	Not Listed
● Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	10% TO 30%	Not Listed
● Talc	14807-96-6	7% TO 13%	Not Listed
● Antimony oxide (Sb2O3)	1309-64-4	1% TO 5%	
● Asphalt	8052-42-4	30% TO 70%	Not Listed
● Glass, oxide, chemicals	65997-17-3	0.5% TO 7%	Not Listed
● Carbonic acid calcium salt (1:1)	471-34-1	0% TO 40%	Not Listed
● Ethene, homopolymer	9002-88-4	2% TO 10%	Not Listed
● Quartz	14808-60-7	7% TO 25%	Not Listed
● Colemanite	1318-33-8	7% TO 15%	Not Listed

United States - Rhode Island

Labor

U.S. - Rhode Island - Hazardous Substance List

● Ether, bis(pentabromophenyl)	1163-19-5	1% TO 5%	Not Listed
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● Styrene polymer with 1,3-butadiene (Kraton)	9003-55-8	0% TO 15%	Not Listed
● Hydrotreated heavy naphthenic distillates (petroleum) (Highly Refined)	64742-52-5	10% TO 30%	Not Listed
● Talc	14807-96-6	7% TO 13%	Toxic (powder or fibrous)
● Antimony oxide (Sb ₂ O ₃)	1309-64-4	1% TO 5%	Toxic
● Asphalt	8052-42-4	30% TO 70%	Toxic; Flammable
● Glass, oxide, chemicals	65997-17-3	0.5% TO 7%	Not Listed
● Carbonic acid calcium salt (1:1)	471-34-1	0% TO 40%	Not Listed
● Ethene, homopolymer	9002-88-4	2% TO 10%	Not Listed
● Quartz	14808-60-7	7% TO 25%	Toxic (dust and fiber)
● Colemanite	1318-33-8	7% TO 15%	Not Listed

Additional Regulatory Information

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

Section 16 - Other Information

Preparation Date

- 10/04/2011

Last Revision Date

- 10/04/2011

Disclaimer/Statement of Liability

- Reasonable care has been taken in the preparation of this information, but the supplier gives no warranty of merchantability or of fitness for a particular purpose. Any product purchased is sold on the assumption the purchaser will make his own tests to determine the quality and suitability of the product. Supplier expressly disclaims any and all liability for incidental and/or consequential property damage arising out of the use of this product. No information provided shall be deemed to be a recommendation to use any product in conflict with any existing patent rights. Read the Material Safety Data Sheet before handling product.

Key to abbreviations

NDA = No Data Available