

**SBS or SBS/SEBS Modified Bitumen Roofing and Waterproofing Membrane
Manufactured in a Specified Rolled Form**

1. Identification

1.1. Product identifier

Product Identity SBS or SBS/SEBS Modified Bitumen Roofing and Waterproofing Membrane
Manufactured in a Specified Rolled Form

Trade Names ECO TORCH SBS[®], ICE & MOISTURE BLOCK SBS[®], FASTORCH SBS[®],
FIREGUARD SBS[®], FIREGUARDFASTORCH SBS[®], LAYFAST SBS[®],
LAYFLAT SBS[®], METALFLEX SBS[®], SELFSTICK SA CAP[®] ROOFING SYSTEM,
SHINGLE STARTER ROLL[®], SUPERCAP SBS[®], SUPERFLEX SBS[®],

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

Intended use See Technical Data Sheet.

Application Method See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Company Name MBTechnology
188 South Teilman Avenue
Fresno, CA 93706-1334 USA

**24 hour Emergency
Telephone No.** (559) 233-2181

**Customer Service:
MBTechnology** 1-800-621-9281 (ext. 16)

2. Hazard(s) Identification

As defined in the OSHA Hazard Communication Standard, 29 CFR 1910.1200(b)(6)(v) and 29 CFR 1910.1200(c), the products listed above are considered articles and do not require an SDS. In addition, articles are not included in the scope of the Globally Harmonized System (GHS). As such, the GHS labeling elements are not included on this SDS. All components listed for any product listed above, are bound within the product. When handled as intended and under normal conditions of use, there is no evidence that any of the ingredients are released in amounts that pose a significant health risk. Although these products are not subject to the OSHA Standard or GHS labeling elements, MBTechnology would like to disclose as much health and safety information as possible to ensure that our products are handled and used properly. This SDS contains valuable information critical to the safe handling and proper use of these products. This SDS should be retained and be made available for employees and other users of these products. In addition, the recommendations for handling and use of these products should be included in worker training programs.

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3. Composition/Information on Ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Asphalt (petroleum) CAS Number: 0008052-42-4	20 - 60	Not Classified	[1][2]
Calcium carbonate CAS Number: 0001317-65-3	0 - 40	Not Classified	[1][2]
Dacite Porphyry (roofing granules) CAS Number: Proprietary	0 - 30	Not Classified	[1]
Quartz (sand) CAS Number: 0014808-60-7	0 - 10	Acute Tox. 4;H332 STOT RE 2;H373 Carc. 1A;H350	[1][2]
Copper, CU (solid, foil) CAS Number: 0007440-50-8	0 - 12	Not Classified	[1][2]
Styrene-Butadiene (component of SBS polymer) CAS Number: 0009003-55-8	1.0 - 10	Skin Sens. 1;H317	[1]
Glass oxide, glass (component of FG reinforcement) CAS Number: 0065997-17-3	0 - 6	Eye Irrit. 2;H319 Skin Sens. 1;H317	[1]
BENZENE, ETHENYL-, POLYMER WITH 1,3-BUTADIENE, HYD (SEBS polymer) CAS Number: 0066070-58-4	0 - 5	Aquatic Chronic 4;H413	[1]
Extracts (petroleum), heavy naphthenic distillate solvent CAS Number: 0064742-11-6	0 - 5	Carc. 1B;H350	[1]
Distillates (petroleum), chemically neutralized heavy naphthenic CAS Number: 0064742-34-3	0 - 5	Carc. 1A;H350	[1]
Polyethylene terephthalate (component of Polyester reinforcement) CAS Number: 0025038-59-9	0 - 6	Not Classified	[1]
Aluminum, AL (solid, foil) CAS Number: 0007429-90-5	0 - 4	Not Classified	[1][2]
BICYCLO[2.2.1]HEPT-2-ENE, 5-ETHYLIDENE-, POLYMER W CAS Number: 0025038-36-2	0 - 1.0	Not Classified	[1]
Carbon black (colorant used in recycled tire rubber) CAS Number: 0001333-86-4	0 - 1.0	Not Classified	[1][2]
Polyisoprene latex (natural rubber in recycled tire rubber) CAS Number: 0009006-04-6	0 - 7	Resp. Sens. 1;H334 Skin Sens. 1;H317	[1]

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

The full texts of the phrases are shown in Section 16.

NOTE: Products may not include every ingredient listed. Asbestos is not used as a raw ingredient in the manufacture of any MBT product. MBT's products are asbestos free.

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4. First Aid Measures

4.1. Description of first aid measures

General	Substances released from this product during cutting or heating may be irritating, but are not expected to produce any lasting health effects from acute exposure. Treatment should be directed toward removing the source of irritation with symptomatic treatment as necessary. If ingested, perform in accordance with procedures for ingestion of petroleum products.
Inhalation	Remove immediately to fresh air. Drink water to clear throat. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.
Eyes	Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.
Skin	Contact with dust - Wash gently with warm water and soap to remove. Contact with hot/molten material - Do not attempt to remove material from affected area. Flush skin with large amounts of cold water, pack with ice and seek medical attention. Use olive or vegetable oil to remove the cooled material from the skin.
Ingestion	Not intended to be ingested. If ingested DO NOT INDUCE VOMITING. Give water or clear liquids and seek medical attention.

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

Overview	<p>Under normal conditions of use and handling, this product is not expected to create any health or safety hazards. Vapors generated during installation may cause irritation of eyes, nose, throat and respiratory tract.</p> <p>Skin Contact: May cause skin irritation. Contact with hot or molten material can cause thermal burns.</p> <p>Eye Contact: Overexposure to product vapor/fumes/dust during installation may cause irritation and/or redness. Contact with hot or molten material can cause thermal burns.</p> <p>Inhalation: Overexposure to product vapor/fumes/dust during installation may cause irritation of upper respiratory tract, coughing, headaches, nausea and/or dizziness.</p> <p>Ingestion: Not intended to be ingested. If ingested, it may cause temporary irritation to the gastrointestinal (digestive) tract.</p> <p>Possible cancer hazard. Contains an ingredient which may cause cancer based on animal data (See Section 3 and Section 15 for each ingredient). Risk of cancer depends on duration and level of exposure.</p>
Inhalation	May cause allergy or asthma symptoms of breathing difficulties if inhaled.
Skin	May cause an allergic skin reaction.

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5. Fire-Fighting Measures

5.1. Extinguishing media

Water/fog, carbon dioxide (CO₂), foam, dry chemical, sand or steam.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Material does not decompose under normal conditions of use. Upon heating or burning, the material may decompose. The decomposition products from this material are those that would be expected from any organic (carbon-containing) material. These decomposition products may include dense smoke, carbon monoxide, carbon dioxide, oxides of nitrogen, phosphorous and sulfur, carbon particles and hydrocarbons.

Avoid breathing dust / fume / gas / mist / vapors / spray.

Do not get in eyes, on skin, or on clothing.

5.3. Advice for fire-fighters

At elevated temperatures, product may generate vapors that can form flammable/explosive mixtures in the presence of air and a source of ignition. Hot/molten product at elevated temperatures will sustain combustion. Burning of this material will produce thick black smoke. Irritating and/or toxic gases including carbon monoxide, carbon dioxide, oxides of nitrogen, phosphorous and sulfur may be generated by thermal decomposition or combustion.

Fire fighters should wear full protective clothing including self contained breathing apparatus. Normal fire fighting procedures should be followed to avoid inhalation of smoke and gases.

ERG Guide No. ----

6. Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

6.3. Methods and material for containment and cleaning up

Material is not normally involved in a spill/release scenario. If during installation, hot material is released, allow enough time for it to cool completely. Use of water spray will aid in solidifying molten material. Remove solid/cool material for disposal. Avoid sources of ignition. Ventilate the area if release occurs indoors. Scrap/remnant pieces cut off should be picked up and disposed of. If sweeping is necessary, use a dust suppressant.

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7. Handling and Storage

7.1. Precautions for safe handling

Always wear recommended personal protective equipment. In its intended state, product is in roll form and weight of rolls should be considered before lifting. Must be applied by qualified applicators who have received training relative to protection against accidents caused by use of combustible materials.

7.2. Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage.

Incompatible materials: Avoid contact with strong oxidizing agents, strong acids & alkalines, strong basis and organic solvents and greasy substances.

Primary storage instructions are labeled on the product and are to be followed. Material should be stored ON END, in a cool, dry, well ventilated area and protected from the elements. Material should be stored away from sources of excessive heat, flame or source of ignition. Store in an area where the temperatures are above 50°F but below 90°F Do not remove labels or protective coating until ready for application or use.

7.3. Specific end use(s)

No data available.

8. Exposure Controls and Personal Protection

8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
0001317-65-3	Calcium carbonate	OSHA	TWA 15 mg/m3 (total) TWA 5 mg/m3 (resp)
		ACGIH	TWA: 10 mg/m3 Ceiling: 20 mg/m3
		NIOSH	TWA 10 mg/m3 (total) TWA 5 mg/m3 (resp)
		Supplier	No Established Limit
0001333-86-4	Carbon black	OSHA	TWA 3.5 mg/m3
		ACGIH	TWA: 3 mg/m32B, Revised 2011,
		NIOSH	TWA 3.5 mg/m3 Ca TWA 0.1 mg PAHs/m3 [in presence of polycyclic aromatic hydrocarbons (PAHs)]
		Supplier	No Established Limit
0007429-90-5	Aluminum (Al)	OSHA	TWA 15 mg/m3 (total) TWA 5 mg/m3 (resp)
		ACGIH	TWA: 1.0 mg/m3Revised 2008,
		NIOSH	TWA 10 mg/m3 (total) TWA 5 mg/m3 (resp)
		Supplier	No Established Limit
0007440-50-8	Copper	OSHA	TWA 1 mg/m3 [*Note: The PEL also applies to other copper compounds (as Cu) except copper fume.]
		ACGIH	TWA: 0.2 mg/m3 (fume) 1 mg/m3 (dusts and mists)
		NIOSH	TWA 1 mg/m3 [*Note: The REL also applies to other copper compounds (as Cu) except Copper fume.]
		Supplier	No Established Limit

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0008052-42-4	Asphalt (petroleum)	OSHA	No Established Limit
		ACGIH	TWA: 0.5 mg/m ³ 2B
		NIOSH	Ca C 5 mg/m ³ [15-minute]
		Supplier	No Established Limit
0009003-55-8	Styrene-Butadiene polymer	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0009006-04-6	Polyisoprene latex	OSHA	No Established Limit
		ACGIH	TWA: 0.001 mg/m ³ Skin, S Revised 2004; 2008; 2010,
		NIOSH	No Established Limit
		Supplier	No Established Limit
0014808-60-7	Quartz	OSHA	No Established Limit
		ACGIH	TWA: 0.025 mg/m ³ A1, 1
		NIOSH	0.05 mg/m ³ TWA (respirable)
		Supplier	No Established Limit
0025038-36-2	BICYCLO[2.2.1]HEPT-2-ENE, 5-ETHYLIDENE-, POLYMER W	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0025038-59-9	Polyethylene terephthalate	OSHA	Particulates (not otherwise regulated): TWA 15 mg/m ² , total dust TWA 10 mg/m ³ . respirable dust
		ACGIH	Guideline for particles (insoluble or poorly soluble, not otherwise specified): TWA 10 mg/m ³ inhalable particles; TWA: 3mg/m ³ respirable dust
		NIOSH	No Established Limit
		Supplier	No Established Limit
0064742-11-6	Extracts (petroleum), heavy naphthenic distillate solvent	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0064742-34-3	Distillates (petroleum), chemically neutralized heavy naphthenic	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0065997-17-3	Glass oxide, glass	OSHA	15 mg/m ³ (as nuisance dust)5 mg/m ³ (respirable fraction)
		ACGIH	10 mg/m ³ (as nuisance dust)5 mg/m ³ (respirable fraction)
		NIOSH	No Established Limit
		Supplier	No Established Limit

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0066070-58-4	BENZENE, ETHENYL-, POLYMER WITH 1,3-BUTADIENE, HYD	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
Proprietary	Dacite Porphyry	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit

Carcinogen Data

CAS No.	Ingredient	Source	Value
0001317-65-3	Calcium carbonate	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0001333-86-4	Carbon black	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: Yes; Group 3: No; Group 4: No;
0007429-90-5	Aluminum (Al)	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0007440-50-8	Copper	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0008052-42-4	Asphalt (petroleum)	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: Yes; Group 3: No; Group 4: No;
0009003-55-8	Styrene-Butadiene polymer	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;
0009006-04-6	Polyisoprene latex	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0014808-60-7	Quartz	OSHA	Select Carcinogen: No
		NTP	Known: Yes; Suspected: No
		IARC	Group 1: Yes; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0025038-36-2	BICYCLO[2.2.1]HEPT-2-ENE, 5-ETHYLIDENE-, POLYMER W	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0025038-59-9	Polyethylene terephthalate	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

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0064742-11-6	Extracts (petroleum), heavy naphthenic distillate solvent	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0064742-34-3	Distillates (petroleum), chemically neutralized heavy naphthenic	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0065997-17-3	Glass oxide, glass	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
0066070-58-4	BENZENE, ETHENYL-, POLYMER WITH 1,3-BUTADIENE, HYD	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
Proprietary	Dacite Porphyry	OSHA	Select Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

8.2. Exposure controls

Respiratory

Wear a properly fitted NIOSH approved respirator to protect against nuisance dust and/or when there is inadequate ventilation.

Eyes

Safety glasses with side shields.

Skin

Wear adequate protective clothing (long sleeved shirts and long pants is recommended). Wear safety work shoes. Wear heat resistant gloves.

Engineering Controls

Due to product form, exposures to hazardous materials are not expected to occur. Use in a well ventilated area.

Other Work Practices

Upon application of product, all applicators should be equipped with protective gear for the eyes, hands and arms to prevent asphalt burns. Fire extinguishers should be present when applying material with a torch. Approved respiratory apparatus should be available when ventilation is inadequate. Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

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9. Physical and Chemical Properties

Appearance	Black Solid, With or Without Granules, Metal Foil or PE Film
Odor	Asphalt/Aromatic
Odor threshold	Not Determined
pH	N/A
Melting point / freezing point	Not Determined
Initial boiling point and boiling range	650F @ 760 mmHg
Flash Point	> 400F (Cleveland Open Cup)
Evaporation rate (Ether = 1)	N/A
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: Not Measured Upper Explosive Limit: Not Measured
Vapor pressure (Pa)	< 1 (mmHg @ 20C)
Vapor Density	N/A
Specific Gravity	> 1 (Variable)
Solubility in Water	Negligible
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature	Not Measured
Decomposition temperature	Not Measured
Viscosity (cSt)	N/A
% Volatile (by volume)	Not Determined
Molecular Weight	Not Determined (Variable)

9.2. Other information

No other relevant information.

10. Stability and Reactivity

10.1. Reactivity

Hazardous Polymerization will not occur.

10.2. Chemical stability

Stable under normal circumstances.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Avoid excessive heat.

10.5. Incompatible materials

Avoid contact with strong oxidizing agents, strong acids & alkalines, strong basis and organic solvents and greasy substances.

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10.6. Hazardous decomposition products

Material does not decompose under normal conditions of use. Upon heating or burning, the material may decompose. The decomposition products from this material are those that would be expected from any organic (carbon-containing) material. These decomposition products may include dense smoke, carbon monoxide, carbon dioxide, oxides of nitrogen, phosphorous and sulfur, carbon particles and hydrocarbons.

11. Toxicological Information

Acute toxicity

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Asphalt (petroleum) - (8052-42-4)	No data available	No data available	No data available	No data available	No data available
Calcium carbonate - (1317-65-3)	No data available	No data available	No data available	No data available	No data available
Dacite Porphyry - (Proprietary)	No data available	No data available	No data available	No data available	No data available
Quartz - (14808-60-7)	No data available	No data available	No data available	No data available	No data available
Copper - (7440-50-8)	2,500.00, Rat - Category: 5	>2,000.00, Rat - Category: 5	No data available	5.11, Rat - Category: NA	No data available
Styrene-Butadiene polymer - (9003-55-8)	No data available	No data available	No data available	No data available	No data available
Glass oxide, glass - (65997-17-3)	No data available	No data available	No data available	No data available	No data available
BENZENE, ETHENYL-, POLYMER WITH 1,3-BUTADIENE, HYD - (66070-58-4)	No data available	No data available	No data available	No data available	No data available
Extracts (petroleum), heavy naphthenic distillate solvent - (64742-11-6)	No data available	No data available	No data available	No data available	No data available
Distillates (petroleum), chemically neutralized heavy naphthenic - (64742-34-3)	No data available	No data available	No data available	No data available	No data available
Polyethylene terephthalate - (25038-59-9)	No data available	No data available	No data available	No data available	No data available
Aluminum (Al) - (7429-90-5)	No data available	No data available	No data available	No data available	No data available
BICYCLO[2.2.1]HEPT-2-ENE, 5-ETHYLIDENE-, POLYMER W - (25038-36-2)	No data available	No data available	No data available	No data available	No data available
Carbon black - (1333-86-4)	8,000.00, Rat - Category: NA	No data available	No data available	No data available	No data available
Polyisoprene latex - (9006-04-6)	No data available	No data available	No data available	No data available	No data available

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

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Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	---	Not Applicable
Serious eye damage/irritation	---	Not Applicable
Respiratory sensitization	1	May cause allergy or asthma symptoms of breathing difficulties if inhaled.
Skin sensitization	1	May cause an allergic skin reaction.
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	1A	May cause cancer.
Reproductive toxicity	---	Not Applicable
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	2	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	---	Not Applicable

12. Ecological Information

12.1. Toxicity

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and GHS and is not classified as dangerous for the environment, but contains substance(s) dangerous for the environment. See section 3 for details

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Asphalt (petroleum) - (8052-42-4)	Not Available	Not Available	Not Available
Calcium carbonate - (1317-65-3)	Not Available	Not Available	Not Available
Dacite Porphyry - (Proprietary)	Not Available	Not Available	Not Available
Quartz - (14808-60-7)	Not Available	Not Available	Not Available
Copper - (7440-50-8)	0.0103, Pimephales promelas	0.0025, Daphnia magna	0.018 (72 hr), Pseudokirchneriella subcapitata
Styrene-Butadiene polymer - (9003-55-8)	Not Available	Not Available	Not Available
Glass oxide, glass - (65997-17-3)	Not Available	Not Available	Not Available
BENZENE, ETHENYL-, POLYMER WITH 1,3-BUTADIENE, HYD - (66070-58-4)	Not Available	Not Available	Not Available
Extracts (petroleum), heavy naphthenic distillate solvent - (64742-11-6)	Not Available	Not Available	Not Available

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Distillates (petroleum), chemically neutralized heavy naphthenic - (64742-34-3)	Not Available	Not Available	Not Available
Polyethylene terephthalate - (25038-59-9)	Not Available	Not Available	Not Available
Aluminum (Al) - (7429-90-5)	Not Available	Not Available	Not Available
BICYCLO[2.2.1]HEPT-2-ENE, 5-ETHYLIDENE-, POLYMER W - (25038-36-2)	Not Available	Not Available	Not Available
Carbon black - (1333-86-4)	1,000.00, Danio rerio	5,600.00, Daphnia magna	10,000.00 (72 hr), Scenedesmus subspicatus
Polyisoprene latex - (9006-04-6)	Not Available	Not Available	Not Available

12.2. Persistence and degradability

There is no data available on the preparation itself.

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available.

13. Disposal Considerations

13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

14. Transport Information

	DOT (Domestic Surface Transportation)	IMO / IMDG (Ocean Transportation)	ICAO/IATA
14.1. UN number	Not Applicable	Not Regulated	Not Regulated
14.2. UN proper shipping name	Not Regulated	Not Regulated	Not Regulated
14.3. Transport hazard class(es)	DOT Hazard Class: Not Applicable	IMDG: Not Applicable Sub Class: Not Applicable	Air Class: Not Applicable
14.4. Packing group	Not Applicable	Not Applicable	Not Applicable
14.5. Environmental hazards			
IMDG	Marine Pollutant: No		
14.6. Special precautions for user	No further information		

**SBS or SBS/SEBS Modified Bitumen Roofing and Waterproofing Membrane
Manufactured in a Specified Rolled Form**

15. Regulatory Information

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Toxic Substance Control Act (TSCA) All components of this material are either listed or exempt from listing on the TSCA Inventory.

WHMIS Classification D2A

US EPA Tier II Hazards

Fire: No

Sudden Release of Pressure: No

Reactive: No

Immediate (Acute): Yes

Delayed (Chronic): Yes

EPCRA 311/312 Chemicals and RQs (lbs):

Copper (5,000.00)

EPCRA 302 Extremely Hazardous:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:

Aluminum (Al)

Chrome oxide

Copper

Proposition 65 - Carcinogens (>0.0%):

Carbon black

Chrome oxide

Quartz

Proposition 65 - Developmental Toxins (>0.0%):

Chrome oxide

Proposition 65 - Female Repro Toxins (>0.0%):

Chrome oxide

Proposition 65 - Male Repro Toxins (>0.0%):

Chrome oxide

New Jersey RTK Substances (>1%):

Aluminum (Al)

Asphalt (petroleum)

Carbon black

Copper

Calcium carbonate

Quartz

SBS or SBS/SEBS Modified Bitumen Roofing and Waterproofing Membrane Manufactured in a Specified Rolled Form

Pennsylvania RTK Substances (>1%):

- Aluminum (Al)
- Asphalt (petroleum)
- Carbon black
- Copper
- Calcium carbonate
- Quartz

16. Other Information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H334 May cause allergic or asthmatic symptoms or breathing difficulties if inhaled.

H350 May cause cancer.

H373 May cause damage to organs through prolonged or repeated exposure.

H413 May cause long lasting harmful effects to aquatic life.

This is the first version in the GHS SDS format.

Listings of changes from previous versions in other formats are not applicable.

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