

Material Safety Data Sheet

Material Name: STYRENE-BUTADIENE-STYRENE (SBS)

MSDS ID: 00226405

*****Section 1 - PRODUCT AND COMPANY IDENTIFICATION*****
Material Name: STYRENE-BUTADIENE-STYRENE (SBS)
Manufacturer Information

 BASSTECH INTERNATIONAL LLC
 400 Kelby St.
 Fort Lee, NJ 07024
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Synonyms

 SYNTHETIC RUBBER; SBS TYPE 416 STYRENE BUTADIENE BLOCK COPOLYMER; SBS TYPE 411
 STYRENE BUTADIENE BLOCK COPOLYMER

Product Use

adhesives, sealant

*****Section 2 - HAZARDS IDENTIFICATION*****
EMERGENCY OVERVIEW
Physical Hazards: Dust/air mixtures may ignite or explode.

POTENTIAL HEALTH EFFECTS
Inhalation
Short Term: irritation

Long Term: no information on significant adverse effects

Skin
Short Term: no information on significant adverse effects

Long Term: no information is available

Eye
Short Term: irritation

Long Term: no information is available

Ingestion
Short Term: no information is available

Long Term: no information is available

*****Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS*****

CAS #	Component	Percent	Symbol(s)	Risk Phrase(s)
9003-55-8	STYRENE-BUTADIENE RUBBER 618-370-2	<70	---	---
Not Available	BLOCK POLYSTYRENE	<30	---	---
Not Available	VOLATILE MATTER	0.30 - 0.40	---	---
Not Available	ASH	0.20 - 0.25	---	---

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Not Available	GEL	0.08 - 0.10	---	---
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*****Section 4 - FIRST AID MEASURES*****

Inhalation

If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. Get immediate medical attention.

Skin

Wash skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes. Get medical attention, if needed. Thoroughly clean and dry contaminated clothing and shoes before reuse.

Eyes

Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.

Ingestion

If a large amount is swallowed, get medical attention.

*****Section 5 - FIRE FIGHTING MEASURES*****

See Section 9 for Flammability Properties

NFPA Ratings: Health: 1 Fire: 1 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Flammable Properties

Slight fire hazard. Dust/air mixtures may ignite or explode.

Extinguishing Media

carbon dioxide, regular dry chemical, regular foam, water

Fire Fighting Measures

Move container from fire area if it can be done without risk. Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas.

*****Section 6 - ACCIDENTAL RELEASE MEASURES*****

Occupational spill/release

Collect spilled material in appropriate container for disposal. Keep out of water supplies and sewers.

*****Section 7 - HANDLING AND STORAGE*****

Handling Procedures

Use methods to minimize dust.

Storage Procedures

Store and handle in accordance with all current regulations and standards. Avoid generating dust. See original container for storage recommendations. Keep separated from incompatible substances.

*****Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION*****

Component Exposure Limits

ACGIH, NIOSH, OSHA, AIHA, and EU have not developed exposure limits for any of this product's components.

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Biological Limit Values

Biological Limit Values have not developed for any of component(s) of this material.

Ventilation

Ventilation equipment should be explosion-resistant if explosive concentrations of material are present. Provide local exhaust ventilation system. Ensure compliance with applicable exposure limits.

PERSONAL PROTECTIVE EQUIPMENT

Eyes/Face

Wear splash resistant safety goggles. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

Protective Clothing

Wear appropriate chemical resistant clothing.

Glove Recommendations

Wear appropriate chemical resistant gloves.

Respiratory Protection

Under conditions of frequent use or heavy exposure, respiratory protection may be needed.

Respiratory protection is ranked in order from minimum to maximum.

Consider warning properties before use.

Any air-purifying half-mask respirator equipped with organic vapor cartridge(s) in combination with an N95, R95, or P95 filter. The following filters may also be used: N99, R99, P99, N100, R100 or P100.

Any air-purifying full-facepiece respirator (gas mask) with a chin-style, front-mounted or back-mounted organic vapor canister having an N100, R100, or P100 filter.

Any powered, air-purifying respirator with a tight-fitting facepiece, organic vapor cartridge(s) and high-efficiency particulate filter(s).

Any supplied-air respirator with a full facepiece that is operated in a pressure-demand or other positive-pressure mode.

For Unknown Concentrations or Immediately Dangerous to Life or Health -

Any supplied-air respirator with a full facepiece that is operated in a pressure-demand or other positive-pressure mode in combination with an auxiliary self-contained breathing apparatus operated in pressure-demand or other positive-pressure mode.

Any self-contained breathing apparatus that has a full facepiece and is operated in a pressure-demand or other positive-pressure mode.

*****Section 9 - PHYSICAL AND CHEMICAL PROPERTIES*****

Physical State:	Solid	Appearance:	Not available
Physical Form:		Odor:	Not Available
Odor Threshold:	Not available	Melting Point:	Not available
Boiling Point:	Not applicable	Vapor Pressure:	Not applicable
Vapor Density (air = 1):	Not applicable	Density:	Not available
Specific Gravity (water = 1):	0.94 typical	Water Solubility:	Not available
Coeff. Water/Oil Dist:	Not available	Viscosity:	25 cP

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*****Section 10 - STABILITY AND REACTIVITY*****

Chemical Stability

Stable at normal temperatures and pressure.

Conditions to Avoid

Avoid heat, flames, sparks and other sources of ignition. Avoid contact with incompatible materials.

Materials to Avoid

oxidizing materials

Decomposition Products

oxides of carbon

Possibility of Hazardous Reactions

Will not polymerize.

*****Section 11 - TOXICOLOGICAL INFORMATION*****

Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and no selected endpoints have been identified.

RTECS Acute Toxicity (selected)

The components of this material have been reviewed and RTECS publishes no data as of the date on this document.

Component Carcinogenicity

STYRENE-BUTADIENE RUBBER (9003-55-8)

IARC: Supplement 7 [1987]; Monograph 19 [1979] (Group 3 (not classifiable))

RTECS Irritation

The components of this material have been reviewed, and RTECS publishes the following endpoints:

STYRENE-BUTADIENE RUBBER (9003-55-8)

500 mg/24 hour Eyes Rabbit mild

RTECS Tumorigenic

No data available.

RTECS Mutagenic

No data available.

RTECS Reproductive Effects

No data available.

*****Section 12 - ECOLOGICAL INFORMATION*****

Component Analysis - Aquatic Toxicity

No LOLI ecotoxicity data are available for this product's components.

*****Section 13 - DISPOSAL CONSIDERATIONS*****

Disposal Methods

Dispose in accordance with all applicable regulations.

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Component Waste Numbers

The U.S. EPA has not published waste numbers for this product's components.

*****Section 14 - TRANSPORT INFORMATION*****

US DOT Information

No Classification assigned.

TDG Information

No Classification assigned.

ADR Information

No Classification assigned.

RID Information

No Classification assigned.

IATA Information

No Classification assigned.

ICAO Information

No Classification assigned.

IMDG Information

No Classification assigned.

*****Section 15 - REGULATORY INFORMATION*****

U.S. Federal Regulations

None of this products components are listed under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

SARA 311/312

Acute Health: No Chronic Health: No Fire: No Pressure: No Reactive: No

U.S. State Regulations

None of this product's components are listed on the state lists from CA, MA, MN, NJ or PA.

Not regulated under California Proposition 65

Canadian Regulations

WHMIS Classification

Not a Controlled Product under Canada's Workplace Hazardous Material Information System.

Germany Water Classification

No components of this material are listed.

Component Analysis - Inventory

Component	CAS	US	CA	EU	AU	PH	JP	KR	CN	NZ
STYRENE-BUTADIENE RUBBER	9003-55-8	Yes	DSL	No	Yes	Yes	Yes	Yes	Yes	Yes

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*****Section 16 - OTHER INFORMATION*******Key / Legend**

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; RID - European Rail Transport; RTECS - Registry of Toxic Effects of Chemical Substances®; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States

Other Information

Disclaimer: 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.

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