

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: SBR 1500
Product Number: SBR 1500
Synonyms: Styrene, 1,3-Butadiene polymer, non-extended, staining
stabilizer, styrene/butadiene copolymer
Chemical Name: Styrene, 1,3-Butadiene polymer
Chemical Family: Synthetic Rubber
CAS Number: 9003-55-8

2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT LISTING:

Chemical Name	Amount	CAS Number
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STYRENE, 1,3 BUTADIENE POLYMER	100.0 %	9003-55-8

(See Section 8 for exposure guidelines)

(See Section 15 for regulatory information)

HAZARDS DISCLOSURE

This product contains no known hazardous materials as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200.

As defined under Sara 311 and 312, this product contains no known hazardous materials.

3. HAZARDS IDENTIFICATION

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***** EMERGENCY OVERVIEW *****
*
* May cause skin, eye, or respiratory tract
* irritation.
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HMIS Rating:

Health - 1, Flammability - 1, Reactivity - 0
Personal Protection Index - B

NFPA Rating:

Health - 1, Flammability - 1, Reactivity - 0
Special Hazards - N/A

NFPA/HMIS Definitions: (0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

POTENTIAL HEALTH EFFECTS

EYE:

No hazards expected in normal industrial use at room temperature.

SKIN:

Substance may cause slight skin irritation.

INHALATION:

Irritating vapors may be formed when product is processed at high temperatures.

INGESTION:

Ingestion is not considered a potential route of exposure.

CARCINOGENICITY INFORMATION:

No known cancer hazards.

MISCELLANEOUS:

Poses little or no immediate hazard.

4. FIRST AID MEASURES

EYE CONTACT FIRST AID:

Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes.

SKIN CONTACT FIRST AID:

Wash skin with soap and water.

INHALATION FIRST AID:

Although this product is not known to cause respiratory problems, if breathing is difficult, remove to fresh air and provide oxygen.

INGESTION FIRST AID:

Ingestion is not considered a potential route of exposure.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

COC Flash Point: N/A

Autoignition Temperature: N/A

FLAMMABLE LIMITS IN AIR

LEL: N/A

UEL: N/A

EXTINGUISHING MEDIA:

Use extinguishing media appropriate for the surrounding fire. SBR polymer would be considered 'ordinary combustibles' (NFPA defined Class A) Carbon dioxide is not generally recommended for use on Class A fires as a lack of cooling capacity may result in re-ignition.

FIRE & EXPLOSION HAZARDS:

Will burn if involved in a fire. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

FIRE FIGHTING INSTRUCTIONS:

Avoid breathing smoke, fumes, and decomposition products. As in any fire, wear self-contained breathing apparatus pressure-demand MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

INITIAL CONTAINMENT:

Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

LARGE SPILLS PROCEDURE:

Handle as solid waste. Vacuum or sweep up material and place in a disposal container.

SMALL SPILLS PROCEDURE:

Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

7. HANDLING AND STORAGE

RECOMMENDED STORAGE TEMPERATURE

Minimum: 0 C (32.0 F)
Maximum: 60.0 C (140.0 F)

SHELF LIFE: (in original, sealed containers)

18 months @ 0 C
9 months @ 60.0 C

HANDLING (PERSONNEL):

Use with adequate ventilation. Wash hands thoroughly after handling.

HANDLING (PHYSICAL ASPECTS):

Avoid extreme temperatures. Store in a cool place in original container and protect from sunlight.

STORAGE PRECAUTIONS:

Avoid extreme temperatures. Store in a cool place in original container and protect from sunlight.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:

Good general ventilation should be sufficient to control airborne levels.

EYE / FACE PROTECTION REQUIREMENTS:

Where contact with this material is likely, eye protection is recommended.

SKIN PROTECTION REQUIREMENTS:

For brief contact, normal work attire should be sufficient.

RESPIRATORY PROTECTION REQUIREMENTS:

Under normal use conditions, with adequate ventilation, no special handling equipment is required.

EXPOSURE GUIDELINES:

No Information Available.

9. PHYSICAL AND CHEMICAL PROPERTIES

FORM	Solid
COLOR	Dark tan to brown
ODOR	Characteristic
BOILING POINT	NA C
VAPOR PRESSURE	NA mm Hg @ 20 C
VAPOR DENSITY	NA (Air = 1)
SOLUBILITY IN WATER	Insoluble in water, soluble in petroleum distillates
SPECIFIC GRAVITY	0.91 - 0.96 (Water = 1)
BULK DENSITY	NA
MELTING/FREEZING POINT ...	NA C
PH	NA
% VOLATILES	1.00 max, as water, % @ 100 C @ 760 mm Hg

10. STABILITY AND REACTIVITY

STABILITY:

Stable.

POLYMERIZATION:

Hazardous polymerization will not occur.

INCOMPATIBILITY WITH OTHER MATERIALS:

There are no known materials which are incompatible with this product.

DECOMPOSITION:

Decomposition will not occur if handled and stored properly. Avoid temperatures above 177C/350F, the onset of polymer decomposition.

11. TOXICOLOGICAL INFORMATION

MISCELLANEOUS:

There is no toxicology information on this material, however, the components possess irritancy potential.

The concentration of unreacted 1,3-butadiene is typically 1 ppm, maximum.

12. ECOLOGICAL INFORMATION

No information available.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL:

Treat or dispose of waste material in accordance with all local, state/provincial, and national requirements.

14. TRANSPORTATION INFORMATION

PRODUCT LABEL	SBR 1500
D.O.T. SHIPPING NAME	Crude Synthetic Rubber
TECHNICAL SHIPPING NAME ...	N/A
D.O.T. HAZARD CLASS	Non-Hazardous
UN NUMBER	N/A
PRODUCT RQ (LBS)	N/A
D.O.T. LABEL	Non Hazardous
D.O.T. PLACARD	N/A
BULK CLASS	N/A
PACKAGE CLASS	N/A

15. REGULATORY INFORMATION

MISCELLANEOUS INFORMATION:

This material or all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substance Control Act (TSCA). Not defined or designated as hazardous under Resource Conservation and Recovery Act (RCRA) 40 CFR261. The Toxicity Characteristic Leachate Procedure (TCLP) constituents are below reportable limits.

This material is not a 'controlled product' under the Canadian Workplace Hazardous Materials Information System (WHMIS). This material or all of its components are listed on the Canadian Domestic Substances List (DSL).

This material or all of its components are listed (or considered as having been notified) on the European Inventory of Existing Chemical Substances (EINECS).

WHMIS Hazard Symbols:

None

EEC Symbols and Indications of Danger:

None

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END OF MSDS
