

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identification

Product Name: SBR 1006, 1011, 1012, 1013, 1502, 1507, 1510, 1551,
8113, 8144
Product Number: SBR 1006, 1011, 1012, 1013, 1502, 1507, 1510, 1551,
8113, 8144
Synonyms: Styrene, 1,3 Butadiene Copolymer
Chemical Name: Styrene/Butadiene Copolymer
Chemical Family: Synthetic Rubber
CAS Number: 9003-55-8

Company Identification

ISP Elastomers, L.P.
P. O. BOX 667
1215 MAIN ST
PORT NECHES, TEXAS 77651 USA
1-800-962-8324 (For product information)
409-722-8321 (For emergencies)
1-800-424-9300 or 1-703-527-3887 (CHEMTREC)

2. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT LISTING:

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

(See Section 8 for exposure guidelines)

(See Section 15 for regulatory information)

HAZARDS DISCLOSURE

MISCELLANEOUS:

Section 313 Information (40CFR 372) This product does not contain a chemical which is listed in Section 313 at or above 'de minimus' concentrations.

Section 311/312 (40CFR 370) This product is not a hazardous chemical under 29CFR 1910.1200, and therefore is not covered by Title III of SARA.

3. HAZARDS IDENTIFICATION

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***** EMERGENCY OVERVIEW *****
*
* The health hazards of this product should be low
* under normal industrial and commercial uses.
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HMIS Rating:

Health - 1, Flammability - 1, Reactivity - 0
Personal Protection Index - B Safety Glasses and Gloves Recommended

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:

No hazard in normal industrial use. Contact with product at elevated temperatures can result in thermal burns.

INHALATION:

No hazards expected in normal industrial use at room temperature. 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:

No specific treatment is necessary since this material is not likely to be hazardous by inhalation.

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:

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 | Light Amber |
| 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:

Materials containing similar structural groups are normally stable.

POLYMERIZATION:

Hazardous polymerization will not occur. However, avoid temperatures above 177C/350F, the onset of polymer decomposition.

INCOMPATIBILITY WITH OTHER MATERIALS:

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

DECOMPOSITION:

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.

Material contains FDA approved stabilizer system.

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 1006, 1011, 1012, 1013, 1502, 1507, 1510,
1551, 8113, 8144
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

16. OTHER INFORMATION

REASON FOR ISSUE ...: Added Product
PREPARED BY: Joan M. Kord
APPROVED BY: Dale Smith
TITLE: Technical Manager
APPROVAL DATE: May 14, 2008
SUPERCEDES DATE: December 8, 2005
RTN NUMBER: 00000047 (Official Copy)

ADDITIONAL INFORMATION:

The data in this Material Safety Data Sheet relates only to the specific material designated herein.

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of ISP Elastomers, L.P. The data on this sheet are related only to the specific material designated herein. ISP Elastomers, L.P. assumes no legal responsibility for use or reliance upon these data.

END OF MSDS
