



Safety Data Sheet

1. Product and Company Identification

Product Name:	Styrene-butadiene copolymer (rubber)
Other Name:	SBR
CAS#:	9003-55-8
Identified Uses:	Manufacture of substances, Laboratory chemicals
Contact Information:	MTI Corporation 860 South 19 th Street Richmond, CA 94804, USA Tel: 510-525-3070 Fax: 510-525-4705 Email: info@mtixtl.com Website: www.mtixtl.com
Non-emergency assistance:	1-888-525-3070
Emergency assistance:	Company: CHEMTEL (MTI Contract# MIS2559467) Day or Night Tel (Within USA and Canada): 1-800-255-3924 Tel (Outside USA and Canada): 1-813-248-0585

2. Hazards Identification

Classification of the substance or mixture

Not a hazardous substance or mixture.

HMIS Rating

Health hazard:	0
Chronic Health Hazard:	
Flammability:	0
Physical Hazard:	0

NFPA Rating

Health hazard:	0
Fire Hazard:	0
Reactivity Hazard:	0

GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

Hazards not otherwise classified (HNOC) or not covered by GHS

None

3. Composition/Information on Ingredients

Substance Name	Styrene-butadiene copolymer (rubber)
Other Name	SBR
CAS-No.	9003-55-8

No ingredients are hazardous according to OSHA criteria.

No components need to be disclosed according to the applicable regulations.

4. First Aid Measures

4.1 Description of first aid measures

If inhaled



If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

4.2 Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5. Firefighting Measure

5.1 Extinguishing media

Suitable extinguishing media

Small fire extinguishing media: Chemical powders, carbonic acid fire extinguisher, asbestos fabric, sand, earth.

Fire extinguishing media: Air – mechanical and chemical foams, water spray, water steam.

Carbon dioxide is not generally recommended for use on Class A fires as a lack of cooling capacity may result in re-ignition.

5.2 Special hazards arising from the substance mixture

Carbon oxides

5.3 Advice for firefighters

Move container from fire area if you can do it without risk. Do not scatter spilled material with high-pressure water streams.

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further Information

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases: Will burn if involved in a fire. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Special protective equipment for firefighting: Personal protection measure: Protective firefighting clothing, breathing equipment. 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

6.1 Personal precautions, protective equipment and emergency procedures

Pressurized hermetically sealed equipment and communications, ventilation of production premises. Indicators of dangerously explosive Concentrations. If excessive dust is created, wear dust mask or respirator to keep exposure below the Permissible Exposure Level for particulate matter.

For personal protection see section 8.

6.2 Environmental precautions

Do not let product enter drains. Follow environmental protection recommendations: hermetically sealed equipment, prohibit sewage into natural water reservoirs.

6.3 Methods and materials for containment and cleaning up

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

Rubber wastes should be processed in production premises with ventilation system.

The rubber that is not suitable for further processing must be buried or burned in an appropriate, safe place.

6.4 Reference to other sections

For disposal see section 13.

7. Handling and Storage

7.1 Precautions for safe handling

Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection



The regulations relating to storage premises apply to workshop where the product is handled Handling: Observe all federal, state and local regulations when storing this substance. Store away from incompatible substances. Use with adequate ventilation. Minimize dust generation and accumulation. Wash hands thoroughly after handling. Avoid extreme temperatures. Store in cool place in original container and protect from sunlight. After work, before smoking or eating, wash the hands well, and gargle.

For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry and well-ventilated place. Avoid extreme temperatures. Store in a cool place in original container and protect from sunlight. The rubber is packed in wooden or metal containers and stored in piles containing 3-4 palletes. The rubber must be kept in premises at temperature max 40C. Guaranteed storage time – 1 year. Avoid near UV – emitting lights such as the incandescent lamps and mercury lamps. Avoid aromatic solvents, chlorine derivatives. Avoid open fire.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

8. Exposure Control/ Personal Protection

8.1 Control parameters

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Special storage conditions and incompatible products: Aromatic solvents, chlorine derivatives. Avoid open fire. The rubber must be kept in premises at temperature max 40C. Guaranteed storage time – 1 year.

Personal protective equipment

Eye/face protection

Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection

Complete suit protecting against chemicals, Flame retardant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Do not let product enter drains.

9. Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

a) Appearance	Milky white liquid with light blue gloss
b) Odor	Weak, Slight odor
c) Odor Threshold	No data available
d) pH	6-7
e) Melting point/freezing point	-18 °C



f) Initial boiling point and boiling range	No data available
g) Flash point	No data available
h) Evaporation rate	No data available
i) Flammability (solid, gas)	Ordinary combustibles
j) Upper/lower flammability or explosive limits	No data available
k) Vapor pressure	No data available
l) Vapor density	No data available
m) Relative density	1.52 g/cm ³
n) Water solubility	Water soluble
o) Partition coefficient: n-octanol/water	No data available
p) Auto-ignition temperature	No data available
q) Decomposition temperature	No data available
r) Viscosity	100~350 mPa. S
s) Explosive properties	Not explosive
t) Oxidizing properties	Not oxidizing

9.2 Other safety information

No data available

10. Stability and Reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

Other decomposition products - No data available

In the event of fire: see section 5

11. Toxicological Information

11.1 Information on toxicological effects**Acute toxicity**

Inhalation: No data available

Dermal: no data available

Skin corrosion/irritation

The rubber is not irritant or toxic. Decomposition products (amethyl-styrene) irritate eyes, skin, and respiratory system. Butadiene -1,3 is carcinogenic (Group 2A).

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitization

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.



ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

No data available

No data available

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

Additional Information

RTECS: WL6478000

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

12. Ecological Information

12.1 Toxicity

At normal conditions the rubber does not contaminate air, water reservoirs, soil.

12.2 Persistence and degradability

No data available

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment PBT/vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

12.6 Other adverse effects

No data available

13. Disposal Considerations

13.1 Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

14. Transport Information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

15. Regulatory Information

SARA 302 Components



No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

No SARA Hazards

Massachusetts Right to Know Components

No components are subject to the Massachusetts Right to Know Act

Pennsylvania Right to Know Components

CAS-No.

Revision Date

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New Jersey Right to Know Components

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California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. Other Information

The information above is believed to be accurate and represents the best information currently available to us. However, it does not represent any guarantee of the properties of the product. We make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we shall not be held liable for any damage resulting from handling or from contact with the above product. Users should make their own investigations to determine the suitability of the information for their particular purposes.