

SDS of SBR 1502

Document no. S-PSM-BE-S01043 Effective date January 26, 2026
Revision 11 Page 1/9 ID-0136/26

1. Identification of the substance and of the supplier

- 1.1 Trade Name** : Styrene Butadiene Rubber (SBR-Non Oil Grade) or SBR 1502
- 1.2 Molecular Formula** : $(\text{CH}_2\text{-CH=CH-CH}_2\text{-CH}_2\text{-CH})_n$

- 1.3 Manufacturer /Import** : BST Elastomers Company Limited
- 1.4 Address** : 5/1, I-7 Rd. Map Ta Phut Industrial Estate, Muang District, Rayong
21150, Thailand
- Phone number** : (+66) 3869 8698
- Fax** : (+66) 3869 8699
- Emergency Phone number** : (+66) 3869 8601 (Mutual Aid Coordinator Center)
- 1.5 Relevant identified uses of the substance or mixture and uses advised against** : Not applicable
- 1.6 Identified uses** : Raw material for the production of tires. Prohibited for use in the production of food-grade products.

2. Hazards Identification

- 2.1 Classification of the mixture according to Globally Harmonized System (GHS) standards (GHS hazard statements and category)**
Not classified
- 2.2 GHS label elements**
- Hazard Pictogram** : Not applicable
- Signal Word** : Not applicable
- Hazard Statement** : Not applicable
- Precautionary Statement** : Not applicable
- 2.3 There hazards which do not result in classification** : Not available

SDS of SBR 1502

Document no. S-PSM-BE-S01043 Effective date January 26, 2026
Revision 11 Page 2/9 ID-0136/26

3. Composition/ Information on Ingredients

- 3.1 Chemical type (Substance/Mixture)** : Substance
3.2 Chemical identity : Styrene Butadiene copolymer
3.3 Common name and synonym : Styrene Butadiene Rubber (SBR)
3.4 CAS number : 9003-55-8
3.5 EC number : 618-370-2
3.6 Impurities and stabilizing additives : Not available
3.7 Ingredient :

Substances	CAS No.	EC No.	% by weight
Styrene Butadiene Copolymer	9003-55-8	618-370-2	100%

4. First Aid Measures

4.1 Description of first aid measures

Skin : Wash skin with soap and water. Remove contaminated clothing. Seek medical attention if irritation develops.

Eyes : Wash eyes with large amounts of water occasionally lifting upper and lower lids, until no evidence of chemical remains at least 15-20 minutes.

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

Ingestion : Ingestion is not considered a potential route of exposure.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects :

Skin : May cause slight skin irritation .

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

Inhalation : Irritating vapors may be formed when product is processed at high temperature.

Ingestion : Ingestion is not considered a potential route of exposure.

Potential Chronic health effects : No known significant effects or critical hazards

4.3 Indication of any immediate medical attention and special treatment needed Notes to :

No specific treatment. Treat symptomatically.

SDS of SBR 1502

Document no. S-PSM-BE-S01043 Effective date January 26, 2026
Revision 11 Page 3/9 ID-0136/26

5. Fire Fighting Measures

5.1 Extinguishing Media

Suitable Extinguishing Media : To extinguish combustible residues of this product, use water fog, carbon dioxide, dry chemical or foam.

Unsuitable Extinguishing Media : Not available

5.2 Special Exposure Hazards

Hazards from the substance or mixture : Toxic and irritating gases/fumes maybe given off during burning or thermal decomposition

Hazardous decomposition Products : Carbon monoxide (from combustion)

5.3 Advice for Firefighters

Special Fire-Fighting Procedures :

- Fire fighters should wear proper protective apparatus including clothes and stay upwind.
- Move containers out of fire area and put out a fire if it can be done without risk.
- Cool containers with water spray until the fire is put out.
- Use water spray; Foam, CO₂ or dry chemical power to extinguish flame.
- Keep personal removed and upwind of fire, isolate hazard area and deny the right to entry.
- Avoid inhale any materials or by-products during combustion.

Special Protective Equipment for Firefighters : Should wear appropriate protective equipment and SCBA with a full face-piece operated in positive pressure mode.

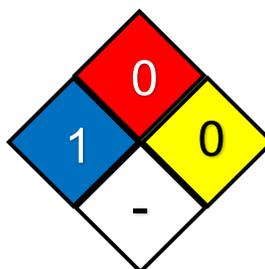
5.4 NFPA 704 Diamond

Health hazard (Blue) : 1

Fire hazard (Red) : 0

Reactivity (Yellow) : 0

Specific hazard (White) : -



5.5 Fire and explosion protection : Not available

SDS of SBR 1502

Document no.	S-PSM-BE-S01043	Effective date	January 26, 2026
Revision	11	Page	4/9
			ID-0136/26

6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures : Wear appropriate personal protective equipment

6.2 Environmental precautions : Avoid to approach heater or ignition source. Sweep up and place in suitable containers. Do not flush spilled material into sewer. Keep unnecessary people away.

6.3 Methods and materials for containment and cleaning up :

Small spill : Take up mechanically , Treat or dispose of waste material in accordance with all local and national requirements.

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

6.4 Spill Management : Not available

7. Handling and Storage

7.1 Precautions for safe handling :

- Make efforts to keep workplace clean and tidy, and avoid using fire.
- Since there is possibility of volatile matter generating during work, it may cause irritation to the eyes.
- After work, before smoking or eating, wash the hands well, and gargle.

7.2 Conditions for safe storage, including any incompatibilities :

- Indoor to prevent deterioration, avoid the following.
- Exposure to the direct sun rays.
- High temperature, high humidity.
- Outdoor storage.
- Even in the case of indoor storage, avoid storing in high-temperature area or near UV-emitting lights such as the incandescent lamps and mercury lamps.
- In case of bulk shipments, indoor to prevent crumbling of the bulk cargo, keep the height as low as possible

SDS of SBR 1502

Document no. S-PSM-BE-S01043 Effective date January 26, 2026
Revision 11 Page 5/9 ID-0136/26

8. Exposure Controls/ Personal Protection

8.1 Control parameters

TLV-TWA (ACGIH) : Not available
TLV-STEL (ACGIH) : Not available
TLV-C (ACGIH) : Not available
IDLH (NIOSH) : Not available

8.2 Personal protective equipment

Respirators : Respirator with a dust and mist filter in case dust formation.

Skin : Employee should wear appropriate protective gloves to prevent contact with this substance.

Eyes : Employee must wear splash-proof or dust resistant safety goggles to prevent eye contact with this substance.

Other Protection : Employee should wear appropriate protective (impervious) clothing and equipment to prevent repeated or prolonged skin contact with this substance.

8.3 Appropriate engineering controls : Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below recommended exposure limits. If user operation generate dust, fume or dust use ventilation to keep exposure to airborne contaminants below the exposure limit.

9. Physical and chemical properties

9.1 General information Appearance

Physical State : Solid (Rubber bales)

Color : Pale yellow

9.2 Odor : Odorless to weak aromatic

9.3 Odor threshold limit : Not available

9.4 pH : Not available

9.5 Melting point : Not available

9.6 Freezing point : Not available

9.7 Boiling point : Not available

SDS of SBR 1502

Document no.	S-PSM-BE-S01043	Effective date	January 26, 2026
Revision	11	Page	6/9
			ID-0136/26

- 9.8 Flash point** : Not available
- 9.9 Evaporation rate** : Not available
- 9.10 Flammability (solid, gas)** : No, but the product will burn if ignited
- 9.11 Lower Flammability/Explosive limits (LFL/LEL)** : Not available
- 9.12 Upper Flammability/Explosive limits (UFL/UEL)** : Not available
- 9.13 Vapor pressure** : Not available
- 9.14 Vapor density** : Not available
- 9.15 Relative density** : Not available
- 9.16 Solubility** : Insoluble in water.
- 9.17 Partition coefficient : n-octanol/water** : Not available
- 9.18 Auto-ignition temperature** : Not available
- 9.19 Decomposition temperature** : Not available
- 9.20 Viscosity** : Not available
- 9.21 Molecular Weight** : Not available
- 9.22 Specific gravity (Water=1)** : 0.94
- 9.23 Surface Tension** : Not available

10. Stability and reactivity

- 10.1 Reactivity** : No specific test data related to reactivity available for this product or its ingredients.
- 10.2 Chemical stability** : Stable at ambient temperature and pressure.
- 10.3 Possibility of hazardous reactions** : If ignited by excessive heat or open flame the product will burn.
- 10.4 Condition to avoid** : Extreme temperature, 300-350 °C (572-662 °F) will cause thermal decomposition.
- 10.5 Incompatible materials** : Strong Oxidizers.
- 10.6 Hazardous decomposition products** : Carbon monoxide (from combustion), Carbon Dioxide, partially oxidized hydrocarbon.

SDS of SBR 1502

Document no. S-PSM-BE-S01043 Effective date January 26, 2026
Revision 11 Page 7/9 ID-0136/26

11. Toxicological information

11.1 Information on toxicological effects

Skin : May cause mechanical irritation (abrasion). Contact with hot material will cause thermal burns.

Eyes : May cause mechanical irritation (abrasion).

Inhalation : May cause mechanical irritation (abrasion).

Ingestion : No known significant effects or critical hazards.

11.2 Potential Chronic health effects : No known significant effects or critical hazards

11.3 Routes of Entry : Not available

11.4 Acute toxicity

11.4.1 LD50

Oral (mg/kg) : Not available

Dermal (mg/kg) : Not available

11.4.2 LC50

Inhalation (ppm, mg/m³) : Not available

11.5 Carcinogenicity/Germ cell mutagenicity (GHS or IARC) : No carcinogenic substances as defined by IARC, NTP and/or OSHA.

12. Ecological Information

12.1 Eco-Toxicity : Not available

12.2 Persistence and Degradability : Not available

12.3 Bioaccumulative potential : Not available

12.4 Mobility in soil : Not available

12.5 Other adverse effects : The product is practically insoluble in water. No ecological problems are to be expected if the product is properly handling.

SDS of SBR 1502

Document no. S-PSM-BE-S01043 Effective date January 26, 2026
Revision 11 Page 8/9 ID-0136/26

13. Disposal considerations

13.1 Waste and safe handling information : Not available

13.2 Waste treatment methods : Incinerate or landfill in accordance with applicable environment control regulation. Recycle if possible.

13.3 Contaminated containers/Packages : Remove all packing for recover or waste disposal.

14. Transport information

14.1 UN number : Not available

14.2 UN proper shipping name : Not regulated

14.3 Transport hazard class :

U.S. DOT hazard class : Not regulated

Canada TDG hazard class : Not regulated

Europe ADR/RID hazard class : Not regulated

IMDG Code (ocean) hazard class : Not regulated

ICAO/IATA (air) hazard class : Not regulated

14.4 Packing group : Not applicable

14.5 Marine pollutant : Not applicable

14.6 Transport in bulk according to annex II of MARPOL73/78 and the ICB code : Not available

14.7 Special precautions : Not available

14.8 Further information : Not available

15. Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

15.1.1 Thailand Regulation

Ministry of Labour : Not available

Ministry of Industry : Not available

Ministry of Public Health : Not available

Ministry of Natural Resources and Environment : Not available

SDS of SBR 1502

Document no.	S-PSM-BE-S01043	Effective date	January 26, 2026
Revision	11	Page	9/9
			ID-0136/26

Ministry of Transport : Not available

Further information : Not available

15.1.2 Federal and State Regulations (Foreign country) :

CLP Regulation : Material is not listed

OSHA : Not available

TSCA : Not available

SARA : Not available

REACH Regulation : Material is not listed

16. Other information

16.1 References :

16.2 Key or legend to abbreviations and acronyms used in the safety data sheet :

ACGIH : American Conference of Government Industrial Hygienists

NFPA : National Fire Protection Agency

NIOSH : National Institute for Occupational Safety & Health

OSHA : Occupational Safety & Health Administration

IARC : International Agency for Research on Cancer

LD50 : Lethal Dose 50%

CNS : Central Nervous System NTP National Toxicology Program

EC50 : Effective Concentration NOAEL No Observable Adverse Effect Level

EC50 : Effective Concentration 50% NOEC No Observed Effect Concentration

PEL : Permissible Exposure Limit

STEL : Short-term Exposure Limit

TLV : Threshold Limit Value

TWA : Time Weighted Average

16.3 Further information : Not available