



SAFETY DATA SHEET

for Mission Rubber SBR Rubber

SECTION	TOPIC	PG
1	Identification	1
2	Hazard Identification	1
3	Composition/Information On Ingredients	2
4	First Aid Measures	2
5	Firefighting Measures	2
6	Accidental Release Measures	2
7	Handling and Storage	2
8	Exposure Controls/Personal Protection	3
9	Physical and Chemical Properties	3
10	Stability and Reactivity	3
11	Toxicological Information	3-4
12	Ecological Information	4
13	Disposal Considerations	4
14	Transport Information	4
15	Regulatory Information	4
16	Other Information	4

SAFETY DATA SHEET

SBR RUBBER

Section 1: IDENTIFICATION

1.1 Product identifier

Product name: SBR Rubber

CAS number: 9003-55-8

Synonyms: N/A

Chemical Name: Tire crumb [Styrene-Butadiene Rubber (SBR), Poly-Butadiene (PBD) & Natural Rubber]

Generic Name: Blends of various rubbers, carbon black & oils

Chemical Family: Rubber

Product description: Black color rubber, characteristic odor

Product type: Solid

1.2 Relevant identified uses of the substance or mixture and uses advised against

Product use: For use only as specified in product literature.

1.3 Details of the supplier of the safety data sheet

Mission Rubber Company

1660 Lesson Lane

Corona, CA 92879

1.4 Telephone number:

800-854-9991

Section 2: HAZARD IDENTIFICATION

2.1 Classification of Substance or Mixture

Inhalation: Not available.

Skin contact: Contact with skin may cause irritation.

2.2 Label elements

Signal word: Danger

Hazard pictograms:



Hazard statements: Not available.

Precautionary statements

Prevention: Can ignite spontaneously if temperature exceeds 400° F.

Response:

IF ON SKIN (or hair): Wash with soap and water.

Storage: Store away from sources of direct heat.

Disposal: Disposal of contents and containers must be in accordance with local, state, or applicable federal regulations regarding disposal of polymeric waste.

2.3 Other Hazards

Not applicable.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	Common Name and Synonyms	CAS Number	Amount
Butadiene	Butadiene	106-99-0	70%
Styrene	Styrene	100-42-5	20%
Natural Rubber	Natural Rubber	9006-04-6	10%

Occupational exposure limits are listed in Section 8.

Section 4: FIRST AID MEASURES

4.1 Description of first aid measures

Eye contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

Skin contact: Wash with soap and water.

Ingestion: No a probable route. However, in case of accidental ingestion, call a physician.

Protection of first-aiders: Not available.

4.2 Most important symptoms and effects: Not available.

Section 5: FIREFIGHTING MEASURES

5.1 Flammable Properties

Flash Point: ND

Auto Ignition Temp: ND

Flammable Limits in Air: ND

5.2 Extinguishing media: Water fog followed by coarse steam.

5.3 Advice for firefighters

Special precautions for fire-fighters: Protect against inhalation of combustion product.

Special protective equipment for fire-fighters: Do not enter confined or enclosed space without proper protective equipment, i.e., self-contained breathing apparatus. Can ignite spontaneously if temperature exceeds 400° F.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1 Minimal problems with spills of this product would be expected to occur because of its solid form.

6.2 Methods and materials for containment and cleaning up

Spill: Handle as solid waste.

Section 7: HANDLING AND STORAGE

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Conditions for safe storage, including any incompatibilities:

Storage: Store away from sources of direct heat.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

8.1 Control Parameters

Occupational Exposure Limits

Product/Ingredient Name	CAS No.	Exposure Limit Values	OSHA (1910-1200)
Carbon black	1333-86-4	3.5 mg/m ³ (ACGIH)	NA

8.2 Exposure controls

Appropriate engineering controls: N/A.

Individual protection measures

Hygiene measures: Good personal hygiene, including the washing of hands and other exposed body parts as often as possible, i.e. before breaks, after excessive exposure and after shift.

Skin protection: Avoid skin contact by the use of personal protective equipment, when possible.

Respiratory protection: Not required.

Environmental exposure controls: Environmental data have not been determined for this product.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

Physical state:	Solid.
Color:	Black.
Odor:	Characteristic.
Specific Gravity: (H ₂ O = 1)	1.15 - 1.18
Solubility:	Insoluble in water; soluble in petroleum distillates
Melting Point: ND	Vapor Pressure @ 20° C: NA
Boiling Point: NA	Vapor Density: (air = 1): NA
Other Data: NA	Volatility @ 212° F: 1% maximum

Section 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 temperatures and pressures.

10.3 Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid: Avoid all possible sources of ignition (spark or flame).

10.5 Incompatible materials: None known.

10.6 Hazardous decomposition products: Oxides of carbon under burning conditions.

Section 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Conclusion/Summary: Produces smoke and fumes when heated over 300° F. There is no toxicology information on this material; however, the components possess irritancy potential. The oil component has been classified by IARC as a carcinogen in mice; however, the carcinogen potential of a polymeric material containing this oil has not been established.

Irritation/Corrosion

Product/ Ingredient name	Result	Species	Target Organs
Hot fumes	Irritation	Human	Lung



Specific target organ toxicity (repeated exposure): Lung.

Information on the likely routes of exposure: Primary Route(s) of Entry is for inhalation of hot fumes, skin absorption.

Potential acute health effects

Inhalation: Inhalation of hot fumes may cause lung irritation.

Other information: Not available.

Section 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Not applicable for solid rubber.

Section 13: DISPOSAL CONSIDERATIONS

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

13.1 Waste treatment methods

Disposal of contents and containers must be in accordance with local, state, or applicable federal regulations regarding disposal of polymeric waste.

Section 14: TRANSPORT INFORMATION

Not classified as dangerous for land, sea or air transport.

Section 15: REGULATORY INFORMATION

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

State Regulations (U.S.): Not listed.

EU Regulations: Not listed.

International Regulations: Not listed.

Section 16: OTHER INFORMATION

Notice to reader

The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Responsibility for MSDS: Mission Rubber Company

Address: 1660 Leeson Lane
Corona, CA 92879

Telephone: 800-854-9991

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