



MATERIAL SAFETY DATA SHEET

POLY BUTADIENE RUBBER

PRODUCT AND COMPANY IDENTIFICATION

Product Name	Butadiene Rubber
Application	Tire, golf ball, wear-resisting rubber products such as cycle tire, plastic, transport belt, shoes, etc.
Synonym	Butadiene Rubber
CAS NO	9003-17-2
Molecular formula	Polymer
Molecular Weight	No
Chemical categories	Synthetic Rubber

COMPONENTS INFORMATION

Components	Butadiene Rubber
CAS No	9003-17-2
Concentration %	100%

HAZARDS IDENTIFICATION

Hazards categories	Non-dangerous
Routes of entry	Dermal contact, Eye contact, Inhalation ,Ingestion
Health hazards	Solid polymer, basically not harmful for health



FIRST AID MEASURES

Skin contact	Wash with plenty of soap and water. Get medical attention if symptoms occur. Get medical attention if thermal burns. Wash clothing before reuse. Clean shoes thoroughly before reuse.
Eye contact	Check for and Remove any contact lenses .In case of contact flush eyes with plenty of clean warm water. Get medical attention if symptoms occur.
Inhalation	If inhaled, remove to fresh water. Get medical attention if symptoms occur.
Ingestion	Wash out mouth with plenty of water. Do not induce vomiting unless directed to do by special medical personnel. Get medical attention if symptoms occur.

FIRE FIGHTING MEASURES

Combustibility	Combustible.
Flash point (°C)	Closed cup:>200 °C, Open cup:>200 °C
Explosive max limit (%)	Meaningless
Explosive min limit (%):	Meaningless
Ignition point (open Cup)	Meaningless
Minimum ignition energy (mJ):	Meaningless
Max explosion pressure (Mpa)	Meaningless
Hazardous characteristics	Not easy to burn
Fighting way	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Extinguishing media	Water or foam
Harmful combustion products	Carbon monoxide, carbon dioxide



ACCIDENTAL RELEASE MEASURES

Personal Precautions	No action shall be taken involving any personal risk or without suitable training.
Spill and Leak Procedure	Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. If molten, allow material to cool and put into an appropriate container for disposal.

HANDLING AND STORAGE

Handling Note	Eating, drinking and smoking should be prohibited in areas where this material is handled. Workers should wash hands and face before eating, drinking and smoking.
Storage Attention	Storage temperature < 30 °C. Finish product should be neatly piled up in lines and in palletization, keeps certain distance, and stack height should be less than 10 bags. Store in original containers protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers and areas. Use appropriate containment to avoid environmental contamination.

EXPOSURE CONTROL AND PERSONAL PROTECTION

Engineering Control	Engineering controls should be sufficient to ensure airborne levels do not approach or exceed the exposure limit value for residual. Thermal processing operation should be ventilated to control gases and fumes given off during processing.
Respiratory Protection	No exposure limit has been established for this product.
Eye protection	Possible: safety glasses with side-shields safety glasses.
Physical protection	General work clothes
Hand Protection	When handling hot material, wear heat-resistant protective gloves that are able to withstand the temperature.
Others	No smoking/eating/drinking at workplace, washing hands before meals. After working, take shower and change clothes. Maintain good health habits.



PHYSICAL AND CHEMICAL PROPERTIES

Appearance	The white solid
Odor	Characteristic(Slight)
Flash point (°C)	Closed cup:>200°C, Open cup:>200°C
Boiling Point (°C)	Meaningless
Specific gravity	0.91
Saturation vapor pressure (mmHg)	Meaningless
Volatile rate %	Meaningless
Solubility	Do not dissolve in water

STABILITY AND REACTIVITY

Stability	The product is stable
Polymerization hazards	Not polymerization
Avoid contact with the conditions	Keep away from direct sunlight and high temperature
Hazardous combustion or decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.
Combustion (decomposition) products	Carbon monoxide, carbon dioxide

TOXICOLOGICAL INFORMATION

Rat oral LD50:> 10g/kg (estimate based on similar material)

ECOLOGICAL INFORMATION

Data not yet available



DISPOSAL CONSIDERATIONS

Contact a licensed professional waste disposal service to dispose of this material, or contact manufacturer to confirm the disposal methods.

TRANSPORT INFORMATION

Domestic	Hazard code no requirement
UN code	No requirement
Packaging Category	No requirement
Packaging Marks	No requirement
International (IMO)	No provisions

REGULATORY INFORMATION

Chemicals name	Butadiene Rubber
Toxic materials classification, name No.(GB57-93)	Not applicable
Name List of Dangerous Goods (GB12268-90)	No provisions
Dangerous goods identification GB18218-2000	No provisions

OTHER INFORMATION

The above information is from latest database centre. Users must refer to actual usage to use above reference data, formulate its own security rules.