SUNFLEX RECYCLING PVT LTD
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MATERIAL SAFETY DATA SHEET INFORMATION

PRODUCT NAME: SBR (Styrene Butadiene Rubber)1- 4 mm, 1-3mm, 0.8 -2mm, 30 mesh, 40 mesh, 20mm shredded rubber chips (TDF chips).

OTHER NAMES: Colored recycled rubber granules, Crumb rubber.

USES: Recycled rubber safety floor surfacing, Poured rubber surfacing.

UN No:	N/R
Dangerous Goods Class:	N/R
Packing Group:	N/R
Hazchem Code:	N/R
Poisons Schedule:	None
Subsidiary Risk:	None

Hazardous Nature:	SBR is not classified hazardous.	
Physical Description & Properties		
Appearance:	**Colored, Solid Recycled Rubber Granules, Rubber Powder.**	
Melting Point:	**N/A**	
Boiling Point:	**N/A**	
Vapour Pressure: **(Kpa @ 20 degrees Celsius)**	**N/A**	
Specific Gravity: **(20 degrees Celsius)**	**N/A**	
Flash Point:	**> 61**	
Flammability:	**N/A**	
Chemical Stability:	**Stable at room temperature**	
Reactivity:	**Solvents, Resin based solutions and extreme heat**	
Solubility:	**Insoluble**	
Product Ingredients:		
Ingredient	**CAS Number**	**Proportion (w/v %)**
Recycled Rubber SBR	Various	<100
Carbon Black	Generic Types	40
Organic Materials	Generic Types	15
Colourants	Various	>10

First Aid Measures	
Ingestion	May Cause Vomiting and headache – Seek medical attention
Eye Contact	May Cause a mild irritation – Seek medical attention
Skin Contact	May cause Seek medical attention for skin irritations
Inhaled	Adverse health effects due in inhalation are unlikely due to the low vapour pressure of product. In confined areas inhalation may cause some irritability to respiratory system, if this occurs seek medical attention
Medical Assistance	Treat according to symptoms

Exposure Controls: PPE

National Exposure Standards

The time weighted average concentration (TWA) for this product is not applicable – highest allowable exposure concentration in an 8 hour day for a 5 day working week. The short term exposure limit (STEL) is not applicable – maximum allowable exposure concentration at any time. Replacing a TWA or STEL value for some products is a peak limitation value: none applies in this case. In addition to the exposure concentrations may be a subsidiary caution in such cases where the product is a skin sensitiser, where none applies in this case.

Biological Limit Values (BLV)

None Established

Engineering Controls

The use of local exhaust ventilation is recommended to control process emissions near the source. Laboratory samples should be handled in a fume hood. Provide mechanical ventilation of confined spaces.

Personal Protective Equipment (PPE)

Respiratory Protection: Where concentrations in air may approach or exceed the limits described in national exposure standards, it is recommended to use a half-face filter mask to protect from over exposure by inhalation.

Eye Protection: Use safety glasses or a face shield when handling product.

Skin/ Body Protection: Always wear long sleeved, long trousers and enclosed footwear or safety boots. It is recommended that chemical resistant gloves be worn when handling this product.

Fire Fighting Measures

Trained personnel to attend a fire in progress, provide this document to fire fighters. Prevent extinguishing media from escaping into drains and waterways.

Suitable Extinguishing Media

- Water Spray
- Carbon Dioxide
- Dry Powder
- Chemical Foam

Hazards from combustion products

- Irritant Fumes
- Carbon Dioxide
- Carbon Monoxide

Precautions for fire fighters and special Protective equipment

- Full protective clothing and self-contained breathing Apparatus

Accidental Release Measures

Emergency Procedures

Prevent product from escaping to drains and waterways and ensure drain valves are closed at all times. Utilise a containment drum to contain leaking packaging. Prevent fumes, vapours and/or dusts from building up in confined areas. Clean up and report spills immediately.

Methods and materials for containment

Land Spills

- Eliminate sources of Ignition
- Warn occupants of downward areas of possible fire and explosion hazards
- Keep the public away from area
- Prevent product from entering sewers, water courses and low-lying areas
- Shut of the source of the spill if safe to do so
- Advise authorities if substance has entered water ways, sewers or has contaminated soil or vegetation
- Consult expert on disposal of recovered materials to ensure conformity to local disposal regulations

Water Spills

- Eliminate any sources of ignition
- Warn occupants of downward areas of possible fire and explosion hazards
- Notify the port or relevant authority and secure area from public
- Shut off and confine the source of the spill if it is safe to do so
- Remove the product from the surface by skimming or with absorbent material
- Consult expert on disposal of recovered materials to ensure conformity to local disposal regulations

Handling and Storage

Precautions for safe handling

Product will not burn unless deliberately lit. SBR will furl a fire if already in progress. Avoid contact with extreme heat and naked flames. Use appropriate PPE and industrial hygiene practices

Conditions for safe storage

Store in a cool, dry place away from direct sunlight

Disposal Considerations

Disposal Methods

Empty packaging should be taken for recycling, recovery or disposal through a suitably qualified or licensed contractor. Care should be taken to ensure compliance with national and local authorities. Packaging may still contain product residue that may be harmful. Ensure empty packaging is managed in accordance with dangerous goods regulations.

Special Precautions

This product is not suitable for disposal by either landfill or via municipal sewers, drains, natural streams or rivers. This product should be treated and disposed through chemical waste treatment, or considered for use in recycling.

Transport Information

Store and transport product in sealed bags. SBR is not classified as Dangerous Goods for Transport by road and rail.