

MATERIAL SAFETY DATA SHEET (MSDS)

SBR Recycled Rubber Crumb

Section 1: Company and Product Identification

Product	: SBR Recycled Rubber Crumb
Chemical Name	: Styrene-Butadiene Rubber (SBR)
Description	: SBR granules (produced from recycling of used tyres)
Company name	: Australian Surfacing Supplies Pty Ltd
Telephone	: 1300 752 956
Address	: PO Box 604, Warragul, 3820 Victoria
Email	: sales@australiansurfacingsupplies.com.au
Emergency Tel	: 0438 223 564
Other Emergency Tel	: 0488 045 893

Section 2: Hazards Identification

Emergency Overview	: This product is stable at ambient condition. If ignited by excessive heat or open flame, it will burn causing the release of toxic and irritating smoke. Smoke may contain noxious compounds and acrid compounds of sulphur. During fire conditions, smoke is irritating to the eyes and respiratory tract.
Potential Health Effects	
Eyes	: Can cause mechanical irritation
Skin	: Non-irritating.
Inhalation	: Not a likely route of exposure.
Ingestion	: Not a likely route of exposure.

Section 3: Composition/Information on Ingredients

Composition	: Vulcanised rubber, extender oil, carbon black, talc, calcium carbonate, zinc oxide, sulphur
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Section 4: First Aid Measures

Eye Contact	: Flush with gently flowing warm water until particles are dislodged. If irritation persists, obtain medical attention.
Skin Contact	: No first aid measures required.
Inhalation	: If symptoms develop move patient to fresh air. Give oxygen or apply artificial respiration if required. If symptoms persist or develop, obtain medical attention.
Ingestion	: Not toxic. If symptoms develop, obtain medical attention.

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Section 5: Fire Fighting Measures

Conditions of flammability	: Not easily ignited, but when ignited a hot and difficult to control fire may develop.
Auto-ignition temperature	: 370°C approx.
Extinguishing Media	: Carbon dioxide, water, foam, dry chemical, sand.
Fire Fighting Equipment/Instructions	: During combustion, irritating and/or toxic gases and aerosols from decomposition products may be present. Fight fire from up-wind. Wear full emergency equipment with self-contained breathing apparatus.
Hazardous combustion products	: Oxides of carbon, hydrocarbons and other toxic fumes will be released under combustion.

Section 6: Accidental Release Measures

Small/Large Spill	: Use appropriate safety equipment. Spillage should be swept-up or vacuum immediately to prevent a slip hazard. Collect uncontaminated material for repackaging. Collect contaminated material in approved containers for disposal.
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Section 7: Handling & Storage

Handling	: When handling product minimise dust formation. Keep away from sources of heat, flame or ignition. Wash hands thoroughly after handling and before eating and drinking.
Storage	: Use non-sparking tools and equipment. Store in a cool dry place away from sources of heat or ignition.

Section 8: Exposure Controls / Personal Protection

Engineering Controls	: If heated or used in a manner which creates dust and/or smoke, use local exhaust ventilation
Skin Protection	: As supplied, the extender oil is bound in a polymer matrix and exposure to skin would be trace or minimal. If prolonged contact is involved, care should be taken to minimize exposure by preventing contact with skin. Frequent washing of exposed areas is recommended. Wear loose fitting clothing that covers exposed areas and also footwear.
Eye Protection	: Safety glasses with side-shields suggested.
Respiratory Protection	: Under normal conditions of use, respiratory protection is not necessary. If dusting is an occurrence during processing, then use of a particulate N95 respirator is recommended.

Section 9: Physical & Chemical Properties

Physical State	: Solid	Boiling Point	: Not available
Appearance	: Granular form	Melting Point	: Not available
Colour Specific	: Black	Solubility in Water	: Insoluble
Hardness	: Medium (approx. 60 Shore A)	pH Level	: Not applicable
Bulk Density	: 300 to 600 kg/m ³ (typically)	Vapour Pressure	: Not applicable
Odour	: Rubber		

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Section 10: Stability & Reactivity

Chemical Stability	: Stable under normal conditions of use, storage, and transportation..
Hazardous Polymerization	: Will not occur.
Conditions to Avoid	: Strong oxidizing materials. Heat, open flames and other sources of ignition..

Section 11: Toxicological Information

The product as a whole is non-toxic. An individual component, the aromatic base extender oil is classified as potentially carcinogenic to humans. Yet as supplied, the extender oil is bound in a polymer matrix and exposure to skin would be trace or minimal.

Section 12: Ecological Information

At ambient temperatures, this material is chemically inert and poses no hazards to the environment.

Section 13: Disposal Considerations

Reuse or recycle material whenever possible.
If reuse or recycle is not possible, dispose of the material in accordance with local regulations.

Section 14: Transport Information

Not dangerous under UN, IMO, and IATA/ICAO codes.

ARD/RID Class	: N/A
IMDG Hazard Class	: N/A
IMDG Packing Group	: N/A
IATA Hazard Class	: N/A
IATA Packing Group	: N/A

Section 15: Regulatory Information

Not applicable.

Section 16: Disclaimer

The information presented here is based on our best knowledge and conviction, and by consulting available information. The document is meant as a guide for safe handling of the material and should not therefore be construed as guaranteeing any specific property of the product.