

Safety Data Sheet

BRP Roothing Solutions
A J Broom Road Products cc July 2010

Product Name: BRP Roothing Solutions, Prefabricated chip seal Products

Section 1. Identification of the Material and Supplier

Product Name: BRP Roothing Solutions, Prefabricated Chip Seal Products

Applicable in: Global

Other Names: BRP Road Patch
BRP Rumble Strips
BRP Rumble Humps
BRP Delineators
BRP Lane Diverter
BRP Cracksealing Strips
BRP Conceal IT
BRP Traffic Circle and Chicanes
BRP Stormwater Diverters

Recommended use: Road and Pavement Maintenance, Road Sealing, Traffic Calming, Stormwater control
For specific application advice see appropriate specification / procedure or contact your supplier

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Important Notice:

BRP Roothing Solutions, Prefabricated Chip Seal products are manufactured in a factory controlled environment using several source products. The source products in the manufacturing phase are considered to be hazardous due to the elevated temperatures. The elevated temperatures emit vapours, and creates the risk of burns.

The manufactured product has a temperature relative to the ambient temperature, is solid but flexible and stable.

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Section 2. Composition

Substance	% max	Risk and Safety Phases
Penetration Bitumen	78% of binder	Nil
Crumbed Rubber	22% of binder	
Aromatic Oils	4% of binder	
Bitumen Pre-coat		
Aggregate		

Other Information:

All materials contained in the product are cold (ambient temperature) and stable.

Section 3. Hazards Identification

Statement of Hazardous Nature:

The product as supplied is classified as non-Hazardous.

To Man:

Prolonged handling may cause skin irritation.

To Environment:

Bitumen is not biodegradable and is as such a waste pollutant.

Safety Hazards:

Bitumen is classified as flammable.

Section 4. First Aid Measures

Symptoms and Effects

Skin:

Prolonged contact with skin can cause irritation.

First Aid:

Wash the skin thoroughly with soap and water. If irritation persists seek medical advice.

Advice to Doctor:

Treat symptomatically.

Section 5. Fire Fighting Measures

Extinguishing Media

Small Fire:

Sand, Earth, CO₂ foam or dry chemical may be used to extinguish small fires.

Safety Data Sheet

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Large Fire:

CO₂ foam, dry chemical or water delivered as a fine spray may be used to extinguish the fire. Do not use water jets, water may be used to cool down surrounding area, exposed surfaces and protect personnel.

Hazards:

Combustion is likely to give rise to a potentially dangerous complex mixture of gasses and airborne particulates including carbon monoxide, oxides of sulphur and unidentified organic and inorganic compounds.

Protective Equipment:

Protective equipment including self-contained breathing apparatus and eye protection must be worn when dealing with fires, especially fires in confined spaces.

Hazchem Code:

2W.

Section 6. Accidental Release Measures

The product is solid and stable. Collect product and return to storage or dispose of in accordance with section 13.

Section 7. Handling and Storage

Handling:

A packet averages approximately 40kg. Use two persons to lift a packet.

Handling Temperature:

The product is delivered, handled, stored and applied at ambient temperature.

Storage:

Store undercover away from direct sunlight and moisture. Avoid excessively hot ambient temperatures.

Incompatibilities:

Hydrocarbon Solvents.

Section 8. Personal Protection / Exposure Controls

Personal protection

Back:

A packet averages approximately 40kg. Use two persons to lift a packet.

Feet:

Protective clothing comprising safety shoes or boots should be worn.

Skin:

Gloves are recommended if prolonged handling is anticipated.

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Section 9. Physical and Chemical Properties

Appearance:	Sheets of black stone on a thin solid but flexible bitumen base.
Odour:	Light, Characteristic of bitumen.
pH:	N/A
Boiling Point:	N/A
Melting Point:	see Softening point.
Flash Point:	>250 Degrees Celsius.
Explosive properties:	N/A
Oxidising properties:	N/A
Vapor pressure:	N/A
Density:	N/A
Solubility – water:	Nil
Solubility – solvents:	Soluble in specific solvents.
Relative vapour density:	Heavier than air.
Viscosity:	Solid – flexible with no flow characteristics.
Softening Point:	57 Degrees Celsius.

Section 10. Stability and Reactivity

Chemical stability:

Products of this type are stable and unlikely to react in a hazardous manner under normal condition of use.

Conditions to avoid:

Temperatures above 57 Degrees Celsius.

Incompatible Materials:

Nil

Hazardous Decomposition Products:

Non-expected under normal use conditions.

Section 11. Toxicological Information

Ingestion:

Unlikely to be accidentally swallowed in view of the sheets size. Except as a deliberate act, the ingestion of large amounts of product is unlikely. Ingestion of product may cause nausea or diarrhoea.

Chronic Toxicity:

No effects and data found that supports the long term toxicity of the product.

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Skin:

Not expected to be a skin sensitiser.

Eyes:

Not expected to be an eye irritant.

Respiratory:

Not considered to be an inhalation hazard under normal conditions of use.

Carcinogenicity:

There is no evidence that bitumen rubber is carcinogenic to humans.

Mutagenicity:

No history or data to support mutagenicity.

Reproductive Hazards:

No data available.

Section 12. Ecological Information

Ecotoxicity:

Unlikely to cause long term effects in the aquatic environment.

Persistence / Degradability:

This product is biodegradable.

Mobility:

Solid under most environmental conditions.

Section 13. Disposal Considerations

Disposal considerations:

Dispose of via an authorised person/licensed waste facility in accordance with local regulations. Wherever possible arrange for the product to be used, due to the nature of this product it is zero waste.

Disposal of packaging:

The plastic used to wrap around each sheet is a recyclable grade, so when a packet is finished the plastic wrap should be recycled. Please check with your local recycling organisation.

Section 14. Transportation Information

Transport Information:

The product as supplied is classified as non-Hazardous.

Hazchem code:

2W

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Section 15. Regulatory Information

National legislation:

EEC Hazard Classification:

Not classified as dangerous under current EC criteria.

Risk Phrases:

NA

Safety Phrases:

NA

Section 16. Other Information

Application or use of the product:

For further information refer to the web site www.brp.za

SDS updated:

Updated by:

Exclusion of Liability

The information given in this document is based on knowledge at the date of preparation and is offered in good faith. Responsibility cannot be accepted for error or omission therein, or damage which may result.

End of SDS