

Material Safety Data sheet

BITUMEN RUBBER EMULSION

Identification of the product

Product: Bitumen Rubber Emulsion

Composition/Information on ingredients

A bituminous water-proofing emulsion.

<u>CAS No.</u>	<u>Chemical Name</u>	<u>Weight %</u>	<u>Symbol & R-phrases</u>	
64742-93-4	Bitumen	50-60		R40
1310-58-3	Potassium hydroxide	< 1	C	R35
584-08-7	Potassium carbonate	< 1	Xi	R22, 36/8
2634-33-5	1,2-Benzisothiazolin-3-one	< 0.1	C	R35, 43

Hazard Identification

No major hazard exists. It is, however, advised that the product is used in well ventilated areas and prolonged exposure to the fumes avoided. Repeated or prolonged skin exposure should be avoided.

First Aid Measures

Inhalation;	Removed to fresh air. If discomfort persists, seek medical advice.
Skin contact:	Remove contamination with proprietary skin cleaner, followed by washing with soap and water. This procedure should also be followed prior to eating, drinking, smoking and toilet functions.
Eye contact;	Irrigate immediately with clean water for 15 minutes. If irritation persists obtain medical attention.
Ingestion:	If swallowed, seek medical advice immediately. Do not induce vomiting

Fire Fighting Measures

Material is not flammable, but in a fire could give off toxic fumes.

Suitable extinguishing media:	Dry powder, CO ² , foam, sand and earth.
Unsuitable extinguishing media:	Never use water jet.
Special exposure hazards in fires:	None known.
Required special protective equipment for fire fighters:	Wear suitable protective clothing and use self-contained breathing apparatus.

Accidental Release Measures

Precautions: Stem flow of spilled material. Material should be mopped up immediately with an inert absorbent material such as sand, earth etc. Prevent spills from entering sewers and drains. Dispose of at an appropriate licensed waste disposal site in accordance with current laws and regulations.

Handling and Storage

Handling: Ensure adequate ventilation.
Storage: Store between 5° and 30°C. It should be stored under cover out of direct sunlight and away from sources of heat and ignition. Protect from frost.

Exposure Controls

Respiratory protection: Should not be necessary with adequate ventilation.
Hand protection: Wear suitable impervious gloves.
Skin protection: Appropriate protective clothing.
Eye protection: Appropriate chemical resistant goggles.

Physical and Chemical Properties

Appearance: Brown emulsion.
Odour: Ammonia cal
pH: approx. 10
Boiling point: 100°C
Melting point: 0°C
Melting point range: not applicable.
Flash point (°C) – closed cup: not applicable
Flammability: not applicable
Auto-flammability: not applicable
Explosive properties: none
Oxidising properties: not applicable
Vapour pressure: not determined
Relative density: approx. 1.0
Solubility (water): completely miscible.

Stability and Reactivity

Stable under normal conditions. Avoid excessive heat.
Hazardous decomposition products: Carbon dioxide, carbon monoxide, oxides of sulphur.

Toxicological Information

Not considered toxic by skin contact. Short term exposure may lead to irritation. Long term exposure may lead to dermatitis.

Ecological Information

The preparation has not been tested. However, it will emulsify and disperse in water. With its slow rate of biodegradation bitumen can cause interference with the normal functioning of ecological cycles. Bitumen emulsions should therefore be contained and spills avoided.

Disposal Consideration

Disposal of material should be by incineration in accordance with local regulations. Packaging should be similarly disposed of.

Regulatory Information

EEC Symbol Xi Irritant

Risk and safety phrases based on the constituents. The formulation has not been tested.

R22	Harmful if swallowed.
R35	Causes severe burns.
R36/38	Irritating to the skin and eyes.
R43	May cause sensitisation by skin contact.
S22	Do not breathe dust.
S24/5	Avoid contact with skin and eyes.
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical attention.
S37/38/39	Wear suitable protective clothing, gloves and eye/face protection.
S38	In case insufficient ventilation, wear suitable respiratory equipment.
S45	In case of accident, or if you feel unwell, seek immediate medical advice, showing this Data Sheet.

Other Information

Customers are urged to ensure that the product is entirely suitable for their own purpose. If requested, Multicrete Products Ltd can assist in technical discussion. If this product is redistributed or reformulated for sale, details of its hazards and the recommended methods for safe handling must be passed to customers.

The data contained in this Safety Data Sheet has been supplied as required by the Chemical (Hazard Identification and Packaging) Regulations 1993, as amended, for the purpose of protecting health and safety of industrial and commercial users who are deemed capable of understanding and acting on the information provided. **Please ensure that it is passed to the appropriate person(s) in your company, who are capable of acting on the information.**

This information is given in good faith, being based on the latest knowledge available to Multicrete Products Ltd. No known relevant information has been omitted from this Material Safety Data Sheet and the information provided is designated to enable the user to use the product safely. The user should not assume on the basis of the information provided in this sheet that the product is suitable for any abnormal use. If the information provided is insufficient to ensure safety in any particular application, contact Multicrete Products Ltd for further advice before the proposed application is undertaken.