

CROMAR BUILDING PRODUCTS

MATERIAL SAFETY DATA SHEET ROOFING EMULSION

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Version 3

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1. Product Identification

Product: Roofing Emulsion

2. Composition/Information on Ingredients

<u>CAS No</u>	<u>Chemical Name</u>	<u>Weight %</u>	<u>Symbol & R-phrases</u>
64742-93-4	Bitumen	<50	R40
1310-58-3	Caustic Potash	<2	C R35
584-08-7	Potassium Carbonate	<1	Xi R22, 37/38

3. Hazard Identification

No major health hazard exists. It is however advised that the product be used in well-ventilated area and prolonged exposure to ammonia fumes avoided. As a general precaution repeated or prolonged skin contact should be avoided.

4. First Aid Measures

Inhalation: Remove to fresh air. If discomfort persists seek medical advice.
Skin contact: Remove contaminated 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: Irritating immediately with clean water for 15 minutes and obtain medical attention.
Ingestion: If swallowed, seek medical advice immediately. Do not induce vomiting.

5. Fire Fighting Measures

Suitable extinguishing media: Dry powder, CO₂, foam, sand, earth
Unsuitable extinguishing media: Never use water jet
Special exposure hazards in fires: None known.
Required special protection
Equipment for fire fighters: Wear suitable protective clothing.

6. Accidental Release Measures

Precaution: Contain flow with absorbent material. Prevent spills from entering drains and sewers. Dispose of at an appropriate licensed waste disposal site in accordance with current laws and regulations.

7. Handling and Storage

Handling: Ensure adequate ventilation.
Storage: Store between 5 and 30°C in tightly sealed containers. No special measures required against fire or explosion. Protect from frost.

8. Exposure Controls

Not established for the product
Respiratory protection: None required at normal levels of ventilation.
Hand protection: Not normally required.
Skin protection: Appropriate protective clothing.
Eye protection: Appropriate chemical resistant goggles if there is a risk of splashing.

9. Physical and Chemical Properties

Appearance: Brown emulsion
Flammability: NA
Odour: Characteristic
Autoflammability: Not determined
pH: 10 approx.
Explosive properties: NA
Boiling point
/boiling point range: 100°C
Oxidising properties: NA
Melting point
/melting point range: 0°C
Vapour Pressure: Not determined
Relative density: Approx. 1.0
Flashpoint (°C): >100°C
Solubility (water and fat): Forms an emulsion in water

10. Stability and Reactivity

Stable up to 100°C
Hazardous decomposition products: Carbon dioxide, carbon monoxide, hydrogen sulphide, oxides of nitrogen and sulphur.

11. Toxicological Information

Short-term exposure may lead to irritation. Long term exposure may lead to dermatitis.

12. Ecological Information

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

13. Disposal Considerations

Disposal of material in accordance with local regulations.

14. Transport Information

Not classified as hazardous for conveyance.

15. Regulatory Information

Material is not classified. The components have the following risk and safety phrases:

R22	Harmful if swallowed
R35	Causes severe burns
R37/8	Irritating to respiratory system and skin
R40	Possible risks of irreversible effects
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
S37/9	Wear suitable gloves and eye protection
S45	In case of accident or if you feel unwell, see a doctor and show this MSDS

16. Other Information

Customers are urged to ensure that the product is entirely suitable for their own purpose. If requested, Cromar Building Products Limited can assist in technical discussions. 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 Cromar Building Products Limited. 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 Cromar Building Products Limited for further advice before the proposed application is undertaken.