1. Identification of Substance/Preparation and Company

Product Name: Bitumen Emulsion

Supplier

FARAGAM PETRO TECH., CO.
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2. Composition / Information on ingredients

A bituminous water-proofing emulsion

CAS No	Chemical Name	weight %	Symbol & R-phrases
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

3. 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.

4. First aid measures

Inhalation: Remove 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.

5. 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

6. 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.

7. 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.

8. Exposure controls and personal protection

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

9. Physical and chemical properties

Appearance:	brown emulsion
Odour:	ammoniacal
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

10. Stability and reactivity

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

11. Toxicological information

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

12. 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.

13. Disposal considerations

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

14. Transport information

15. 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.

16. Other information

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.**