



BituChem Building Products
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BITUMEN EMULSIONS K140 & K160

This data sheet has been prepared in accordance with the requirements of the chemicals (Hazards, Information and Packaging) Regulations (CHIP) and the Approved Code of Practice (ACOP).

Known Misuses / Abuses

None Known

1 Identification of the Substance / Preparation, and of the Company / Undertaking.

Product: K140 & K1-60
Company: BituChem Building Products Ltd
Address: Laymore Road, Forest Vale Industrial Estate, Cinderford,
Gloucestershire, GL14 2YH
Telephone: 01594 826768

2 Composition / Information on Ingredients

Bitumen, water and emulsifiers. The emulsion may contain polymers

3 Hazard Identification

K140 is NOT classified as dangerous for supply or conveyance.

4 First Aid Measures

Inhalation

Minor Inhalation – unlikely to be harmful.
Major inhalation (unlikely) – seek medical advice.

Skin:

If skin contact does occur, the product should be removed as soon as possible using suitable cleanser and washing with soap and water.

Eyes

Irrigate thoroughly with cold water and seek medical advice.

Ingestion

(Unlikely) – seek medical advice.

5 Fire-Fighting Measures

Bitumen Emulsion will not burn under normal circumstances.

6 Accidental Release Measures

If no risk is present, shut off leak. Contain and absorb with sand or soil until set solid, then dispose of as in paragraph 13.

7 Handling and Storage

Handling

Mechanical handling of palletised products reduces the hazards of manual lifting. Where manual lifting is unavoidable, use correct kinetic lifting techniques. When pumping to / from BULK containers, take proper safeguards against pressure build-up. Check hoses and connections for serviceability. Excessive pumping may damage the product.

Storage

Protect from frost. Chock drums to prevent rolling. Bulk tanks should be structurally sound and secure from accidental release.

8 Exposure Controls / Personal Protection Exposure Limit Values.

There are no occupational exposure limits listed in EH40.

Recommended Protective Clothing.

Wear suitable gloves (to avoid injury during drum handling and skin contact when applying), overalls, protective footwear, eye protection. Use of barrier cream before work will assist subsequent cleansing.

9 Physical and Chemical Properties.

Physical State:
Appearance:
Odour:
Acidity/Alkalinity
Boiling Point/Boiling Range



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Melting Point/Melting Range
Flashpoint
Flammability
Autoflammability
Flammability Limits: Upper:
Lower:
Explosive Properties
Oxidising Properties
Vapour Pressure at 40°C
Density at 15°C
Solubility – Water Solubility
- Fat Solubility/Solvent
Partition Coefficient, n-octanol water
Viscosity at 15°C

10 Stability and Reactivity

Conditions to avoid

To avoid freezing of emulsion water do not allow temperature to fall below 2°C

Materials to avoid

Alkalis and Anionic emulsions.

Decomposition Products

NON hazardous bitumen and water. The emulsion will NOT burn.

Mechanical Handling

Excessive pumping can lead to the breaking of an emulsion.

11 Toxicological Information

Acute Health Hazards and Advice

Exposure to K140 bitumen emulsion is not hazardous but skin contact should be avoided. Can be irritating to eyes.

12 Ecological Information

Minimum Hazard but high concentrations of emulsions may harm fish (by blocking gills).

13 Disposal Considerations

Dispose as a controlled waste in accordance with local bye-laws and regulations.

14 Transport Information

Not classified as a dangerous substance for conveyance.

15 Regulatory Information.

This product is not classified as dangerous..

16 Other Information

The references set out below give further information on specific aspects.

Legislation

Chemicals (Hazards, Information and Packaging) Regulations.

Carriage of Dang Labelling). Regulations.

Control of Substances Hazardous to Health Regulations.

Environmental Protection Act.

The Reporting of Injuries, Diseases and Dangerous Occurrences Regulations.

The Road Traffic (Carriage of dangerous Substances in packages etc.) Regulations.

Guidance Notes

EH26 Occupational Skin Disease : Health and Safety Precautions.
EH40 Occupational Exposure Limits.

British Standards

BS 434 Part 1 Specification for Bitumen Road Emulsions.
BS3690 Part 1 Specification for Bitumen for Roads and Other Paved Areas.