



MATERIAL SAFETY DATA SHEET

FOR

BITUMEN EMULSION GRADES

ISSUED BY	REVIEWED BY	APPROVED BY	DATE	VERSION
Quality Management	Director Bitumen	Risk Management	Mar 01, 2011	2.0



MATERIAL SAFETY DATA SHEET

BITUMEN

Bitumen Products

1. Identification of substance and supplier

Substance/preparation: Bitumen Emulsion – Liquid Bitumen

Supplier/manufacturer:

EMERALD BITUMEN

P.O Box : 23807

Dubai -UAE

info@eeoil.com

www.emeraldbitumen.com

Hazard Information

2. Composition/information on ingredients

The product contains no dangerous substances according to EC Directive 67/548/EEC and further modifications and adaptations pointed out in this publication.

3. Hazardous identification

No major health hazard exists. It is however advised that the product is used in well ventilated areas. As a general precaution, repeated or prolonged skin contact should be avoided.

Emergency Action

4. First aid measures

Eye contact:

If the substance has entered the eyes then irrigate with emergency eye wash solution (if available) or clean water for up to 15 minutes. Seek medical attention.

Skin contact:

Wash affected areas thoroughly with soap and water. If irritation persists seek medical attention.

Ingestion:

Immediately rinse mouth with water. If swallowing has occurred drink water in small sips. Seek medical attention. Do not induce vomiting.

Inhalation:

Move affected person to fresh air.

5. Fire-fighting measures

There are no risks of fire or explosion as the products identified are non-combustible. The product is non-flammable but it can cause dangerous fumes if there is a fire. If necessary wear breathing apparatus.

6. Accidental release measures

Avoid skin contact, wear suitable protective equipment (see 8.1).

Cleaning up:

Take up with absorbent, inert material and place in suitable and closable containers for disposal.

Environmental measures:

Prevent from entering drains, sewers or water courses. Fax +971 4 236 8092

Precautions

7. Storage & handling

Storage:

Store in original containers securely closed in cool dry place. Donot leave containers open. Earth storage during transfer.

Handling:

Avoid prolonged skin contact, avoid contact with eyes. Take usual hygiene measures. Ensure adequate ventilation.

8. Exposure controls/personal protection

Personal protective equipment:

a. Respiratory protection:

Suitable respiratory protection (HSE approved standard) should be worn to ensure that personal exposure is minimized. Always ensure good ventilation.

b. Hand & skin protection:

Avoid skin contact by wearing protective clothing, for example waterproof gloves, overalls and boots. Change heavily contaminated clothing as soon as possible and launder before re-use.

c. Eye protection:

Wear chemical splash goggles.

Product Information

9. Physical & chemical properties

APPEARANCE	Black Liquid
ODOUR	Characteristic
DENSITY	1.0g/cm ³
FLASH POINT	None
BOILING POINT RANGE	> 250°C
MELTING POINT RANGE	> 100°C
WATER SOLUBILITY	Dilutable
IGNITION	Not applicable
PH	Not available
VAPOUR PRESSURE	Not available
VAPOUR DENSITY	< 1 Water
EVAPORATION RATE	< 1 Water



10. Stability & reactivity

The product is stable in normal usage & storage conditions at environmental temperatures. Thermal decomposition or burning may release oxides of carbon and other toxic gases or vapours.

11. Toxicological information

See 10.

12. Ecological information

There are no known Eco Toxic effects in the existing patterns of production, handling, storage and use.

13. Disposal considerations

Not hazardous and is classed as 'Controlled Wastes' in the UK which have no special requirements for their disposal at appropriately licensed facilities.

Additional Information

14. Transport information

Not hazardous. Classification for conveyance – not required.

15. Regulatory information

The product is not subject to classification.

16. Legislation & other information

Health & Safety at Work, etc. Act 1974

- Control of Substances Hazardous to Health Regulations (COSHH) 2002
- Control of Substances Hazardous to Health (Amendment) Regulations 2004
- Environmental Protection Act 1990
- HSE Guidance Note EH40 (Workplace Exposure Limits)
- Any authorised manual on First Aid by St.John's/St. Andrews/
- Red Cross.
- Manual Handling Operations Regulations 1992 (as amended)

Data Sheet prepared in accordance with the Safety Data Sheets Directive (91/155/EEC, as amended by Directives 93/122/EC and 2001/58/EC).

Important Notes

All information is based on results gained from experience and test and is believed to be accurate, but is given without acceptance of liability for loss or damage attributable to reliance thereon, as conditions of use lie outside our control. Users should always carry tests to establish the suitability of any products for their intended application. No statements shall be incorporated in any contract unless expressly agreed in writing or construed as recommending the use of any product in conflict of any patent. All goods are supplied subject to EMERALD BITUMEN's Standard Conditions of Sale, copies of which are available upon request.