



MATERIAL SAFETY DATA SHEET
FOR
CUTBACK BITUMEN

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



MATERIAL SAFETY DATA SHEET

BITUMEN

1. Identification of substance and supplier

Substance/preparation: Cutback Bitumen

Supplier/manufacturer:

EMERALD BITUMEN

P.O Box : 23807

Dubai -UAE

info@eeoil.com

www.emeraldbitumen.com

Hazard Information

2. Composition/information on ingredients

Preparations blended from a penetration grade bitumen and a kerosene.

3. Hazardous identification

Flammable. Will float and can be reignited on surface water. The vapour is heavier than air, spreads along the ground and distant ignition is possible.

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. Cleanse area with olive oil. Seek medical attention.

Skin contact:

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

Ingestion:

SEEK MEDICAL ATTENTION IMMEDIATELY, DO NOT DELAY. Do not induce vomiting. Give nothing by mouth.

Inhalation:

Move affected person to fresh air. If breathing stops apply artificial respiration and SEEK MEDICAL ATTENTION IMMEDIATELY.

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

Remove all possible sources of ignition from the surrounding areas. Avoid skin contact, wear suitable protective equipment.

Cleaning up:

Fax +971 4 236 8092

Do not use water, absorb with sand on earth and then shovel in the containers to dispose of.

Environmental Measures: Prevent from entering drains, sewers

STORAGE & HANDLING

7. Storage & handling

Storage:

Store in original containers securely closed in cool dry place. Do not leave containers open.

Handling:

Avoid prolonged skin contact, avoid contact with eyes. Take usual hygiene measures. Ensure adequate ventilation. Do not smoke and avoid naked flames.

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 minimised. 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 0.89 kg

Flash Point 38 °C

Initial Boiling Point 150 °C

Final Boiling Point 300 °C

Water Solubility Not soluble

Vapour pressure 0.1 kPa @ 38°C

Auto Ignition temperature 220 °C



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

Inhalation:

Irritation of vapours, mists or bitumen fumes will cause headaches, nausea, dizziness and intoxication.

Eye Contact:

Vapours or mist may irritate eyes.

Skin Contact:

Hot bitumen burns skin and eyes. Solvent may cause drying, cracking and inflammation of the skin.

Ingestion:

Ingestion is unlikely.

12. Ecological information

Floats on water and is not readily biodegradable. Has the potential to accumulate, poorly soluble mixture. May cause physical fouling of aquatic organisms and is expected to be.

13. Disposal considerations

Waste must be disposed of in accordance with prevailing regulations. Do not dispose into the environment, in drains or in water courses.

Additional Information

14. Transport information

UN Number: 1999

UN Class/ Packing group: III

UN Proper Shipper Name: Tars, Liquid

UN Number (sea transport, IMO): 1999

IMO Marine Pollutant: No

15. 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.