



SAFETY DATA SHEET

Page 1

40% ZBED DISPERSION

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Aquaspersions Ltd
Beacon Hill Road
Halifax
West Yorkshire
HX3 6AQ
Tel: 01422 386200
Fax: 01422 386239

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product name: 40% ZBED DISPERSION

CAS number: 14726-36-4

Product code: fZBEC/40

Use / description of product: Zinc dibenzylidithiocarbamate in an aqueous base.

2. COMPOSITION / INFORMATION ON INGREDIENTS

3. HAZARDS IDENTIFICATION

Main hazards: May cause long-term adverse effects in the aquatic environment.

Other hazards: No major hazards.

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: Repeated or prolonged contact may cause irritation or allergic reaction (e.g Dermatitis)

Eye contact: May cause transient corneal irritation.

Ingestion: Unlikely to be harmful by ingestion.

Inhalation: It is unlikely that this substance will be inhaled, unless through aspiration, due to its physical properties.

4. FIRST AID MEASURES (ACTION)

Skin contact: If a person feels unwell after coming into contact with this dispersion then seek medical advice.

Eye contact: Irrigate with plenty of water. If persistent irritation occurs then seek advice from an ophthalmologist.

Ingestion: Wash out mouth with water and give 200-300ml warm water to drink. Seek medical attention immediately.

Inhalation: In the unlikely event that this substance is inhaled (e.g. aspiration) then treat symptomatically and seek medical advice.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Water. Carbon dioxide. Alcohol or polymer foam. Dry chemical powder.

Exposure hazards: Virtually non-flammable as supplied. Residue may support combustion. Avoid contact with skin.

Protection of fire-fighters: Respiratory Protective Equipment (RPE) must be worn.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Mark out the contaminated area with signs and prevent access to unauthorised

[cont...]

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personnel. Turn leaking containers leak-side up to prevent the escape of liquid.

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Wash the spillage site with large amounts of water.

7. HANDLING AND STORAGE

Handling requirements: Ensure there is sufficient ventilation of the area. Avoid direct contact with the substance.

Storage conditions: Store in cool, well ventilated area. Store in closed containers, well protected from frost.

Suitable packaging: Stainless steel. Polyethylene.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Protective gloves.

Eye protection: Safety goggles.

Skin protection: Protective clothing with elasticated cuffs and closed neck. Boots made of PVC.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Colour: Cream

Odour: Barely perceptible odour

Viscosity: 500 - 2000 cps

Oxidising: No data

Evaporation rate: Negligible

Solubility in water: Miscible

Boiling point/range°C: 100

Melting point/range°C: 0

Flammability limits %: lower: No data

upper: No data

Part.coeff. n-octanol/water: No data

Autoflammability°C: No data

Vapour pressure: No data

Relative density: 1.080 - 1.180

pH: 8.50 - 11.00

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Extremes of temperature. Protect from frost.

Materials to avoid: Strong acids. Bases.

Haz. decomp. products: The residue of this emulsion may liberate toxic fumes when strongly heated.

11. TOXICOLOGICAL INFORMATION

Effects of exposure Decomposes on strong heating liberating flammable carbon disulphide.

Routes of exposure Danger of cumulative effects in contact with the skin.

12. ECOLOGICAL INFORMATION

Mobility: No data.

Persistence and degradability: Only slightly biodegradable.

Bioaccumulative potential: No data.

Other adverse effects: Negligible ecotoxicity.

13. DISPOSAL CONSIDERATIONS

Waste disposal: Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

Disposal of packaging Retain for recovery. May be reused following decontamination.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION**ADR / RID****IMDG / IMO**

Marine pollutant: N

IATA / ICAO**15. REGULATORY INFORMATION**

Hazard symbols: No significant hazard.

Risk phrases: R53: May cause long-term adverse effects in the aquatic environment.

Safety phrases: S25: Avoid contact with eyes.

S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

WGK: 0

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. ADDITIONAL INFORMATION

Additional information: For use as a vulcanisation accelerator for rubber latices.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Aquaspersions Limited shall not be held liable for any damage resulting from handling or from contact with the above product.