

MATERIAL SAFETY DATA SHEET

1. Identification of the substance/preparation and of the company/undertaking

Identification of the product

Product name: BSLP & OILLP Refractometer Calibration Fluids

Manufacturer/supplier identification

Company: Bellingham + Stanley Ltd., Longfield Road, Tunbridge Wells, KENT. TN2 3EY. UK

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2. Composition/information on ingredients

Chemical characterization

Organic liquid

3. Hazards identification

Not classified as dangerous according to EC Directives.

Spilt material may lead to slippery surfaces.

4. First aid measures

Eye contact: Irrigate thoroughly with water. If discomfort persists obtain medical attention.

Inhalation: Remove from exposure.

Skin contact: Wash off thoroughly with soap and water.

Ingestion: Wash out mouth thoroughly with water. In severe cases obtain medical attention.

5. Fire-fighting measures

Special risks: Combustible. Substance floats on surface of water.

Suitable extinguishing media: Foam, dry powder, carbon dioxide or vaporising liquids

6. Accidental release measures

Wear appropriate protective clothing. Do not allow to enter sewerage system.

Absorb on an inert absorbent, transfer to a suitable container and arrange removal by disposal company. Wash site of spillage thoroughly with water and detergent. For large spillages liquids should be contained with sand or earth and both liquids and solids transferred to salvage containers. Any residues should be treated as for small spillages.

7. Handling and storage

Handling:

Change contaminated clothing. Wash hands after working with substance.

Storage:

Store at room temperature (15 to 25°C recommended). Keep well closed and protected from direct sunlight and moisture.

8. Exposure controls/personal protection

UK Exposure Limits: WEL-Oil mist, mineral (refined oils):

Long term: 5mg/m³ Short-term: 10mg/m³

Personal protective equipment:

As appropriate to the situation and the quantity handled.

- Ventilation: Fume cupboard required when vapours/mists are generated.

- Respirator: filter A (acc. to DIN 3181) for vapours of organic compounds required when vapours/mists are generated.

- Gloves: Nitrile. Gloves subject to permeation or any sign of degradation must be removed and replaced immediately.

- Eye Protection: Goggles or face-shield

- Other Precautions: Plastic apron, sleeves, boots - if handling large quantities

9. Physical and chemical properties

General information:

Form: oily liquid

Colour: colourless to slightly yellowish

Odour: almost odourless

Health, safety and environmental information:

Melting temperature: Not available

Boiling temperature: 300 - 500°C

Density(g/ml): ~0.86

Solubility in water: Practically insoluble

Other solubility data: Chloroform Miscible in all proportions

Flash point: >200°C

Viscosity: ~ 110 - 230 mPas (20 °C)

10. Stability and reactivity

Stable.

Substances to be avoided: strong oxidizing agents.

11. Toxicological information

Degreasing effect on the skin, possibly followed by secondary inflammation.

- After eye contact: Possible effects: irritant effect.

- After ingestion: laxative.

Further data

LD50(oral, rat)>5000mg/Kg

We have no evidence of carcinogenic effects

12. Ecological information

Quantitative data on the ecological effect of this product are not available. Substance floats on surface of water.

Remarks: Adverse ecological effects cannot be excluded in the event of improper handling or disposal. Do not allow to enter drinking water supplies, waste water, or soil.

13. Disposal considerations

Chemical residues are generally classified as special waste, and as such are covered by regulations which vary according to location. Contact your local waste disposal authority for advice, or pass to a chemical disposal company. Rinse out empty containers thoroughly before returning for recycling. When recovery and recycling is not possible, incineration in a high temperature incinerator is the recommended method of disposal.

14. Transport information

Not subject to transport regulations.

15. Regulatory information

Labelling according to EC directives

Not classified as dangerous according to EC Directives.

EC-No.: 232-384-2

Local Regulations

Within the UK, the use of this material must be assessed under the Control of Substances Hazardous to Health (COSHH) regulations.

16. Other Information

Revision

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