

MATERIAL SAFETY DATA SHEET

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

Identification of the product

Product name: AG Refractometer Calibration Fluid

Manufacturer/supplier identification

Company: Bellingham + Stanley Ltd., Longfield

Road, Tunbridge Wells, KENT. TN2 3EY. UK

Telephone : +44 (0) 1892 500400

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2. Composition/information on ingredients

Chemical characterization

Organic liquid

3. Hazards identification

Not classified as dangerous according to EC directives.

4. First aid measures

- Eye contact: Irrigate thoroughly with water for at least 10 minutes. If discomfort persists obtain medical attention.

- Inhalation: Remove from exposure, rest and keep warm. In severe cases obtain medical attention.

- Skin contact: Wash off skin thoroughly with water. Remove contaminated clothing and wash before re-use. Unless contact has been slight, OBTAIN MEDICAL ATTENTION.

- Ingestion: Wash out mouth thoroughly with water and give plenty of water to drink. OBTAIN MEDICAL ATTENTION.

5. Fire-fighting measures

Special risks:

Combustible. Vapour/air mixture explosive.

Suitable extinguishing media:

Water spray, foam, dry powder or carbon dioxide

6. Accidental release measures

Wear appropriate protective clothing.

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:

Wash hands and face thoroughly after working with material. Contaminated clothing should be removed and washed before re-use

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

As appropriate to the situation and the quantity handled.

- Respirator: Self contained breathing apparatus when vapours/aerosols are generated

- Ventilation: Extraction Hood

- Gloves: Rubber or plastic

- Eye Protection: Goggles or face-shield

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

9. Physical and chemical properties

Form: liquid

Colour: colourless

Odour: characteristic

Melting temperature -59°C

Boiling temperature 188°C

Density(g/ml) 1.04

Solubility in water Miscible in all proportions

Flash point 99°C

Explosion limits: lower: 2.4%

upper: 17.4%

Auto-ignition temperature 371°C

Log P(o/w): -0.92

10. Stability and reactivity

Hygroscopic

Substances to be avoided

oxidizing agents, hydrogen fluoride.

11. Toxicological information

After inhalation: May be harmful

After eye & skin contact: Slight irritation

After ingestion of large amounts: nausea, vomiting, CNS disorders.

Further data

LD50 ~20000 mg/kg oral, rat.

LD50 20800 mg/kg dermal, rabbit.

Ames-Test: negative.

No evidence of carcinogenic properties.

12. Ecological information

No environmental hazard is anticipated provided that the material is handled and disposed of with due care and attention.

13. Disposal considerations

Chemical residues are generally classified as hazardous or 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.

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.: 200-338-0

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.

Supersedes issue of 01/12/2006

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