

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
Fax : +44 (0) 1892 543115

2. Composition/information on ingredients

Chemical characterization

Organic liquid

3. Hazards identification

4. First aid measures

- Eye contact: Irrigate thoroughly with water for at least 10 minutes. 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, (e.g. BDH Spillage absorption granules), 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:

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: Not applicable

- Ventilation: Not applicable

- 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 107°C

Explosion limits: lower: 2.6%

upper: 13%

Auto-ignition temperature 421°C

10. Stability and reactivity

Stable.

Substances to be avoided
oxidizing agents.

11. Toxicological information

Very low acute toxicity in animal experiments.

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

After contact with substance: Slight irritations of mucous membranes, eyes.

Further data

LD50 20000 mg/kg oral, rat.

No evidence of carcinogenic properties.

Evidence of reproductive effects.

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 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

UN-No.: IMDG class: NR

IMO: NR Packaging group:

IATA: NR Packaging group:

Proper shipping name: NOT-RESTRICTED

ADR/RID: NR

15. Regulatory information

Labelling according to EC directives

Symbol:

R-phrases:

S-phrases:

EC-No.: 200-338-0

Local Regulations

UK Exposure Limits: OES:

Total (vapour and particulates): Long term: 474 mg/m³ (150 ppm)

Particulates: Short term: 10 ppm

Code: 90-352 Issue: 1



Bellingham + Stanley Ltd.

Longfield Road, Tunbridge Wells

KENT. TN2 3EY

UK

Telephone: +44 (0) 1892 500400

Fax: +44 (0) 1892 543115

Bellingham + Stanley Inc.

1000 Hurricane Shoals Road

Bldg D, Suite 300

LAWRENCEVILLE, USA, GA 30043

Telephone: 770 822 6898

Fax: 770 822 9165