

**Section 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product Identifier**

BSLP Refractometer Calibration Fluid

**1.2 Relevant identified uses of the substance or mixture and uses advised against**

Uses: Refractometer calibration

**1.3 Details of the supplier of the safety data sheet**

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

Telephone: +44 (0) 1892 500400 Email: lab.bs.uk@xyleminc.com

**1.4 Emergency telephone number** For Hazardous Material Chemical Emergencies (Spill, Leak, Fire, Exposure, or Accident)

Call CHEMTREC Day or Night: Within USA and Canada 1-800-424-9300 Outside USA and Canada: +1 703-527-3887 (collect calls accepted)

**REACH No.:** A registration number is not available for this substance as the substance or its uses are exempted from registration, the annual tonnage does not require a registration or the registration is envisaged for a later registration deadline.**Section 2: Hazards identification****2.1 Classification of substance or mixture**

Not hazardous according to Regulation (EC) No. 1272/2008 [CLP]

**2.2 Label elements** None needed**2.3 Other Hazards** Not applicable**Section 3: Composition/Information on ingredients****3.1 Substances**

Organic Liquid

REACH registration No.: Not yet communicated down the supply chain

CAS-no. 8012-95-1

**Section 4: First aid measures****4.1 Description of first aid measures**

When in doubt or if symptoms are observed, get medical advice. If unconscious place in recovery position and seek medical advice. Never give anything by mouth to an unconscious person or a person with cramps. Change contaminated, saturated clothing. Do not leave affected person unattended.

**Inhalation:** Remove casualty to fresh air and keep warm and at rest. If breathing is irregular or stopped, administer artificial respiration. In case of respiratory tract irritation, consult a physician.

**Skin contact:** After contact with skin, wash immediately with plenty of water and soap. Remove contaminated, saturated clothing immediately. In case of skin reactions, consult a physician.

**Eye contact:** In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult a physician. Protect uninjured eye. Remove contact lenses, if present and easy to do. Continue rinsing.

**Ingestion:** If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Do not induce vomiting. Give nothing to eat or drink.

**4.2 Most important symptoms and effects both acute and delayed**

No data available

**4.3 Indication of any immediate medical attention and special treatment needed**

No data available

**4.4 Self-protection of the first aider**

Pay attention to self-protection

**4.5 Information to physician**

No data available

**Section 5: Firefighting measures****5.1 Extinguishing Media**

**Suitable:** The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings.

**Unsuitable:** no restriction

**5.2 Special hazards arising from the substance or mixture**

In case of fire may be liberated: Pyrolysis products, toxic

**5.3 Advice for firefighters**

Do not fight fire when fire reaches explosives. Wear self-contained breathing apparatus and chemical protective clothing if necessary.

Do not allow run-off from fire-fighting to enter drains or water courses. Do not inhale explosion and combustion gases. Use water spray jet to protect personnel and to cool endangered containers. In case of fire: Evacuate area.

**Section 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

In case of major fire and large quantities, remove persons to safety.

**6.2 Environmental precautions**

Discharge into the environment must be avoided.

**6.3 Methods and materials for containment and cleaning up**

Spilled product must never be returned to the original container for recycling. Collect in closed and suitable containers for disposal.

**6.4 Reference to other sections**

Clear spills immediately.

**Section 7: Handling and storage****7.1 Precautions for safe handling**

Work processes must be designed to keep as low as possible: inhalation, skin contact, eye contact. If handled uncovered, arrangements with local exhaust ventilation have to be used. If local exhaust ventilation is not possible or not sufficient, the entire working area must be ventilated by technical means.

**7.2 Conditions for safe storage, including any incompatibilities**

Storage temperature 15-25°C. Keep container tightly closed in a cool, well-ventilated place. Storage class: 10-13

**7.3 Specific end use(s)**

Apply refractometer samples by pipette. Refer to certification accompanying samples.

**Section 8: Exposure controls/personal protection****8.1 Control parameters**

None of the components have assigned exposure limits

**8.2 Exposure Controls**

Technical measures and the application of suitable work processes have priority over personal protection equipment. If handled uncovered, arrangements with local exhaust ventilation have to be used.

**Personal Protective Equipment**

As appropriate to the situation and the quantity handled

**Eyes/Face:** Safety glasses (EN166)**Gloves (short-term):** Nitrile rubber, min. thickness 0.12mm, breakthrough time 480 min**Respirator:** Usually not necessary**Ventilation:** General

Wash hands before breaks and after work. Avoid contact with skin and eyes. When using do not eat, drink or smoke. Provide eye shower and label its location conspicuously.

**Section 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

(a) Appearance:	Colourless liquid	(l) Vapour density:	No data available
(b) Odour:	No data available	(m) Relative density:	No data available
(c) Odour Threshold:	No data available	(n) Solubility(ies):	No data available
(d) pH:	No data available	(o) Partition coefficient: n-octanol/water:	No data available
(e) Melting point/freezing point:	No data available	(p) Auto-ignition temperature:	No data available
(f) Initial boiling point and boiling range:	No data available	(q) Decomposition temperature:	No data available
(g) Flash point:	No data available	(r) Viscosity:	No data available
(h) Evaporation rate:	No data available	(s) Explosive properties:	Not applicable
(i) Flammability (solid, gas):	Not applicable	(t) Oxidising properties:	Not applicable
(j) Upper/lower flammability or explosive limits:	No data available		
(k) Vapour pressure:	No data available		

**9.2 Other information**

No data available

**Section 10: Stability and reactivity****10.1 Reactivity**

No data available

**10.2 Chemical Stability**

The product is chemically stable under standard ambient conditions (room temperature)

**10.3 Possibility of hazardous reactions**

No data available

**10.4 Conditions to avoid**

No data available

**10.5 Incompatible materials**

No data available

**10.6 Hazardous decomposition products**

No data available

**10.7 Additional information**

No data available

**Section 11: Toxicological information****11.1 Information on toxicological effects**

## Acute effects

After inhalation: not sensitising

Acute oral toxicity: LD50: &lt; 5000 mg/kg - Rat

STOT – single exposure: not applicable

Acute dermal toxicity: LD50: &lt; 3000 mg/kg - Rabbit

STOT – repeated exposure: not applicable

Acute inhalation toxicity: LC50: 2062 ppm - Rat

Carcinogenicity: No indication of human carcinogenicity

## Irritant and corrosive effects

Mutagenicity: No indications of human germ cell mutagenicity exist

Primary irritation to the skin: not applicable

Reproductive Toxicity: No indications of human reproductive toxicity exist

Irritation to eyes: not applicable

Aspiration hazard: Not applicable

Irritation to respiratory tract: not applicable

Other adverse effects: No data available

Respiratory or skin sensitisation

Additional information: No data available

In case of skin contact: not sensitising

**Section 12: Ecological information****12.1 Toxicity**

No data available

**12.4 Mobility in soil**

No data available

**12.2 Persistence and degradability**

No data available

**12.5 Results of PBT and vPvB assessment**

No data available

**12.3 Bioaccumulative potential**

No data available

**12.6 Other adverse effects**

No data available

**Section 13: Disposal considerations****13.1 Waste treatment methods****Appropriate disposal / Product**

Dispose according to local legislation. Consult the appropriate local waste disposal expert about waste disposal.

Waste code product: no data available

**Appropriate disposal / Package**

Dispose according to local legislation. Handle contaminated packages in the same way as the substance itself.

**Additional information**

no data available

**Section 14: Transport information****Land transport (ADR/RID)**

No dangerous good in sense of this transport regulation.

**Sea transport (IMDG)**

No dangerous good in sense of this transport regulation.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not relevant

**Air transport (ICAO-TI / IATA-DGR)**

No dangerous good in sense of this transport regulation.

**Section 15: Regulatory information****15.1 Safety health and environmental regulations/legislation specific for the substance or mixture**

Regulation (EC) No 1907/2006, 1272/2008; Commission Regulation (EU) No 453/2010, 2015/830.

Water hazard class (WGK) No data available

**15.2 Chemical Safety Assessment**

No data available

**Section 16: Other information**

Changes: Modification to comply with Commission Regulation (EU) 2015/830