

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

**Product name:** DRAWSOL 4749

**Product code:** 20022

**Use of substance / preparation:** Supplied as a metal working lubricant/coolant for use in suitable industrial applications only.  
Use only as directed.

**Company name:** HOUGHTON plc  
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## 2. HAZARDS IDENTIFICATION

**Main hazards:** Risk of serious damage to eyes. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

- Hazardous ingredients:** CHLORINATED PARAFFIN C14-17 20-30%  
[N] R50/53
- SODIUM DIALKYL BENZENE SULPHONATE 10-20%  
EINECS: 271-781-5 CAS: 68608-26-4  
[Xi] R41
  - 2-METHYLPENTANE-2,4-DIOL 1-10%  
EINECS: 203-489-0 CAS: 107-41-5  
[Xi] R36/38

## 4. FIRST AID MEASURES (SYMPTOMS)

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be pain and redness. The eyes may water profusely. There may be severe pain. The vision may become blurred. May cause permanent damage.

**Ingestion:** There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest.

#### 4. FIRST AID MEASURES (ACTION)

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

**Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

**Ingestion:** Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so.

#### 5. FIRE-FIGHTING MEASURES

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

**Exposure hazards:** In combustion emits toxic fumes.

**Protection of fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

#### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. 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.

#### 7. HANDLING AND STORAGE

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air.

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed.

**Suitable packaging:** Must only be kept in original packaging.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Hazardous ingredients:** 2-METHYLPENTANE-2,4-DIOL  
WEL (8 hr TWA): 123 mg/m<sup>3</sup> WEL (15 min STEL): 123 mg/m<sup>3</sup>

**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:** Tightly fitting safety goggles. Ensure eye bath is to hand.

**Skin protection:** Protective clothing.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

**State:** Liquid

**Colour:** Amber

**Odour:** Mild

**Solubility in water:** Emulsifiable

**Boiling point/range°C:** 201

**Flash point°C:** 141

**Vapour pressure:** 0.1 hPa

**Relative density:** 0.997

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions.

**Conditions to avoid:** Heat.

**Materials to avoid:** Strong oxidising agents. Strong acids.

**Haz. decomp. products:** In combustion emits toxic fumes.

## 11. TOXICOLOGICAL INFORMATION

**Hazardous ingredients:** CHLORINATED PARAFFIN C14-17

ORL RAT LD50 4000 mg/kg

- 2-METHYLPENTANE-2,4-DIOL

IPR RAT LDLO 1500 mg/kg

ORL MUS LD50 3097 mg/kg

ORL RAT LD50 3700 mg/kg

**Routes of exposure:** Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

## 12. ECOLOGICAL INFORMATION

**Mobility:** Readily absorbed into soil.

**Persistence and degradability:** Biodegradable.

**Bioaccumulative potential:** No bioaccumulation potential.

**Other adverse effects:** Negligible ecotoxicity.

## 13. DISPOSAL CONSIDERATIONS

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.  
Classified as hazardous waste under UK and European law.

**Waste code number:** 12 01 08

**Disposal of packaging:** IBC's have a refundable deposit paid on them and should be returned. 205 litre unlined steel drums also carry a deposit but can be returned for recycling. All other packaging should be disposed of in a manner acceptable to the authorities.

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

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

**UN no:** 3082 **ADR Class:** 9  
**Packing group:** III **Classification code:** M6  
**Shipping name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
**Labelling:** 9 **Hazard ID no:** 90

**IMDG / IMO**

**UN no:** 3082 **Class:** 9  
**Packing group:** III **EmS:** F-A,S-F  
**Marine pollutant:** .  
**Labelling:** 9

**IATA / ICAO**

**UN no:** 3082 **Class:** 9  
**Packing group:** III  
**Packing instructions:** 914  
**Labelling:** 9

**15. REGULATORY INFORMATION**

**Hazard symbols:** Dangerous for the environment.

Irritant.



**Risk phrases:** R41: Risk of serious damage to eyes.

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Safety phrases:** S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S39: Wear eye / face protection.

S57: Use appropriate container to avoid environmental contamination.

S60: This material and its container must be disposed of as hazardous waste.

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

**Haz. ingredients (label):** CHLORINATED PARAFFIN C14-17; SODIUM DIALKYL BENZENE SULPHONATE

**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. OTHER INFORMATION

**Other information:** The classification detailed on this Safety Data Sheet refer to the neat material only. Dilution of the product may reduce the classification.

MSDS complies with European Chemicals Regulation (REACH) 1907/2006/EC.

Acts of Parliament: The Health and Safety at Work etc. Act 1974. Environment Protection Act 1990. Statutory Instruments: Control of Substances Hazardous to Health Regulations 2002.

Chemicals (Hazard Information and Packaging) Regulations 2002.

The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2004.

The Hazardous Waste (England and Wales) Regulations 2005.

For the latest guidance on the use of metalworking fluid please go to

<http://www.hse.gov.uk/metalworking/index.htm>

**Risk phrases used in s.3:** R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R41: Risk of serious damage to eyes.

R36/38: Irritating to eyes and skin.

**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. This company shall not be held liable for any damage resulting from handling or from contact with the above product.