

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

Product name: KITTIWAKE REAGENT D
Product code: AS-K10104-KW
Use of substance / preparation: Oil Test Reagent
Company name: Kittiwake
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Email: sds@kittiwake.com

2. HAZARDS IDENTIFICATION

Main hazards: Highly flammable. Irritating to eyes. Harmful: may cause lung damage if swallowed. Vapours may cause drowsiness and dizziness. Possible risk of impaired fertility. Possible risk of harm to the unborn child.

Other hazards: In use, may form flammable / explosive vapour-air mixture.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: PROPAN-2-OL 30-50%
EINECS: 200-661-7 CAS: 67-63-0
[F] R11; [Xi] R36; [-] R67

- DISTILLATES (PETROLEUM), HYDROTREATED LIGHT, Kerosine - UNSPECIFIED 30-50%
EINECS: 265-149-8 CAS: 64742-47-8
[Xn] R65

4. FIRST AID MEASURES (SYMPTOMS)

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

Eye contact: There may be irritation and redness. Corneal burns may occur.

Ingestion: Nausea and stomach pain may occur. There may be vomiting and diarrhoea. There may be loss of consciousness. Convulsions may occur.

Inhalation: Exposure may cause coughing or wheezing. There may be congestion of the lungs causing severe shortness of breath. There may be loss of consciousness. Convulsions may occur.

4. FIRST AID MEASURES (ACTION)

- Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.
- Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.
- Ingestion:** Do not induce vomiting. If conscious, give half a litre of water to drink immediately. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. Transfer to hospital as soon as possible.
- Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

5. FIRE-FIGHTING MEASURES

- Extinguishing media:** Carbon dioxide. Alcohol resistant foam.
- Exposure hazards:** Highly flammable. Vapour may travel considerable distance to source of ignition and flash back. Forms explosive air-vapour mixture.
- 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:** Eliminate all sources of ignition. Notify the police and fire brigade immediately. Mark out the contaminated area with signs and prevent access to unauthorised personnel. 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:** Mix with sand or vermiculite. Wash the spillage site with large amounts of water.

7. HANDLING AND STORAGE

- Handling requirements:** Ensure there is exhaust ventilation of the area. Avoid direct contact with the substance. Avoid the formation or spread of mists in the air. Use non-sparking tools. Smoking is forbidden.
- Storage conditions:** Store in cool, well ventilated area. Keep away from sources of ignition. Keep container tightly closed. Ensure lighting and electrical equipment are not a source of ignition.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Hazardous ingredients:** PROPAN-2-OL
WEL (8 hr TWA): 999 mg/m³ WEL (15 min STEL): 1250 mg/m³
- DISTILLATES (PETROLEUM), HYDROTREATED LIGHT, KEROSENE - UNSPECIFIED
WEL (8 hr TWA): 5mg/m³

Engineering measures: Ensure there is exhaust ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Protective gloves.

Eye protection: Safety goggles.

Skin protection: Protective clothing with elasticated cuffs and closed neck. Boots made of PVC.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Colour: Orange-red

Odour: Characteristic odour

Evaporation rate: Moderate

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Slightly soluble

Also soluble in: Most organic solvents.

Viscosity: Non-viscous

Boiling point/range°C: 83

Flammability limits %: lower: 2

upper: 12

Flash point°C: 12

Autoflammability°C: 399

Relative density: 0.8

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Sources of ignition. Flames.

Materials to avoid: Oxidising agents.

Haz. decomp. products: In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

11. TOXICOLOGICAL INFORMATION

Hazardous ingredients: PROPAN-2-OL

IVN RAT LD50 1088 mg/kg

ORL MUS LD50 3600 mg/kg

ORL RAT LD50 5045 mg/kg

SCU MUS LDLO 6 gm/kg

12. ECOLOGICAL INFORMATION

Mobility: Readily absorbed into soil.

Persistence and degradability: Biodegradable.

Bioaccumulative potential: No bioaccumulation potential.

Other adverse effects: No data available.

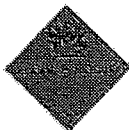
13. DISPOSAL CONSIDERATIONS

Disposal operations: D10 Incineration on land.
Disposal of packaging: Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.
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: 1993	ADR Class: 3
Packing group: II	Classification code: F1
Shipping name: FLAMMABLE LIQUID, N.O.S. (PROPAN-2-OL)	Hazard ID no: 33
Labelling: 3	



IMDG / IMO

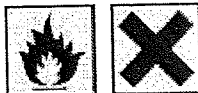
UN no: 1993	Class: 3
Packing group: II	EmS: F-E,S-E
Marine pollutant: .	
Labelling: 3	

IATA / ICAO

UN no: 1993	Class: 3
Packing group: II	
Packing instructions: 305(P&CA); 307(CAO)	
Labelling: 3	

15. REGULATORY INFORMATION

Hazard symbols: Highly flammable.
Harmful.



Risk phrases: R11: Highly flammable.
R36: Irritating to eyes.
R65: Harmful: may cause lung damage if swallowed.

SAFETY DATA SHEET
KITTIWAKE REAGENT D

R67: Vapours may cause drowsiness and dizziness.

R62: Possible risk of impaired fertility.

R63: Possible risk of harm to the unborn child.

Safety phrases: S9: Keep container in a well-ventilated place.

S16: Keep away from sources of ignition - No smoking.

S23: Do not breathe vapour.

S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.

S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

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

Haz. ingredients (label): PROPAN-2-OL; DISTILLATES (PETROLEUM), HYDROTREATED LIGHT, KEROSENE - UNSPECIFIED

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

Risk phrases used in s.3: R11: Highly flammable.

R36: Irritating to eyes.

R67: Vapours may cause drowsiness and dizziness.

R65: Harmful: may cause lung damage if swallowed.

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