

SAFETY DATA SHEET
OPEN GEAR LUBE



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Revision No: 7

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

Product name: OPEN GEAR LUBE

Use / description of product: Open gear lubricant.

Company name: Uniconomy Ltd

Unit 4 Chester court

Red Marsh Drive

Thornton Cleveleys

Lancashire

FY5 4EZ

Tel: 01253 854050

Fax: 01253 854049

2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: DICHLOROMETHANE 10-30%

EINECS: 200-838-9 CAS: 75-09-2

[Xn] R40

- BITUMEN 10-30%

CAS: 64742-93-4

[Xn] R40

- WHITE SPIRIT 10-30%

[-] R10; [N] R51/53; [Xn] R65; [-] R66; [-] R67

- XYLENE 1-10%

EINECS: 215-535-7 CAS: 1330-20-7

[-] R10; [Xn] R20/21; [Xi] R38

- NAPHTHA (PETROLEUM), HYDROTREATED LIGHT; LOW BOILING POINT HYDROGEN

1-10%

CAS: 64742-49-0

[F] R11; [Xn] R65; [Xi] R38; [N] R51/53; [-] R67

- BUTANE 1-10%

EINECS: 203-448-7 CAS: 106-97-8

[F+] R12

- PROPANE 1-10%

EINECS: 200-827-9 CAS: 74-98-6

[F+] R12

3. HAZARDS IDENTIFICATION

Main hazards: Extremely flammable. Limited evidence of a carcinogenic effect. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

[cont...]

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

4. FIRST AID MEASURES (SYMPTOMS)

- Skin contact:** There may be irritation and redness at the site of contact. Prolonged or repeated contact may defat the skin leading to dermatitis.
- Eye contact:** There may be irritation and redness. The eyes may water profusely.
- Ingestion:** Aerosol packs make the possibility of ingestion unlikely, however if this should occur, irritation of mouth/throat, nausea and stomach pain may result.
- Inhalation:** Inhalation of high levels of vapour may cause upper respiratory tract irritation. 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:** Wash skin thoroughly with soap and warm water. Dry skin and apply replenishing cream. Seek medical advice if irritation develops.
- Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.
- Ingestion:** If affected, seek medical advice.
- 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 or polymer foam. Dry chemical powder.
- Exposure hazards:** Extremely flammable. In combustion emits toxic fumes. 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. Mark out the contaminated area with signs and prevent access to unauthorised personnel.
- Environmental precautions:** Contain the spillage using sufficient appropriate absorbent material.
- Clean-up procedures:** If spillage is from leaking/punctured cans, ensure adequate ventilation and allow propellant to evaporate. Wipe up liquid spillage with absorbent material and dispose of safely.

7. HANDLING AND STORAGE

- Handling requirements:** Ensure there is sufficient ventilation of the area. Smoking is forbidden. Avoid direct contact with the substance.
- Storage conditions:** Store in a cool, well ventilated area, below 50°C. Keep away from sources of ignition.

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION**Hazardous ingredients:** DICHLOROMETHANEWEL (8 hr exposure limit): 350 mg/m³ WEL (15 min exposure limit): 1060 mg/m³ (Sk)

• WHITE SPIRIT

WEL (8 hr exposure limit): 100ppm

• XYLENE

WEL (8 hr exposure limit): 220 mg/m³ WEL (15 min exposure limit): 441 mg/m³ (Sk)

• NAPHTHA (PETROLEUM), HYDROTREATED LIGHT; LOW BOILING POINT HYDROGEN

WEL (8 hr exposure limit): 1000 mg/m³

• BUTANE

WEL (8 hr exposure limit): 1450 mg/m³ WEL (15 min exposure limit): 1810 mg/m³

• PROPANE

WEL (8 hr exposure limit): 1800 mg/m³ WEL (15 min exposure limit): 7200 mg/m³

Engineering measures: Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition. Mineral oil WEL: 5mg/m³ (oil mist).

Respiratory protection: If Workplace Exposure Limit(s) listed above are exceeded, respiratory protection may be required.

Hand protection: Use of impervious gloves is recommended.



Eye protection: Wear safety glasses or goggles if risk of splashing.



Skin protection: Protective overalls.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

State: Aerosol

Colour: Dark brown/black

Odour: Characteristic odour

Oxidising: Non-oxidising (by EC criteria)

Solubility in water: Insoluble

Flammability limits %: lower: 0.6

upper: 22.0

Flash point°C: -40

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Hot surfaces. Sources of ignition.

Materials to avoid: Oxidising agents.

Haz. decomp. products: In combustion emits toxic fumes of hydrogen chloride / phosgene.

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Hazardous ingredients: DICHLOROMETHANE
ORL MUS LD50 4770 mg/kg
ORL RAT LD50 5350 mg/kg
SCU MUS LD50 6460 mg/kg

- XYLENE
ORL MUS LD50 2119 mg/kg
ORL RAT LD50 4300 mg/kg
SCU RAT LD50 1700 mg/kg

Routes of exposure: Exposure to high levels of vapour may cause drowsiness, dizziness, nausea, headaches, vomiting. Prolonged contact with skin may cause irritation leading to dermatitis in extreme cases. Dichloromethane (Methylene Chloride) has been classified as a Category 3 Carcinogen-a substance which causes concern for man owing to possible carcinogenic effects. Bitumen has a recommended Category 3 carcinogen classification due to the presence of polycyclic aromatic hydrocarbons; breathing in these compounds may give rise to long term health effects.

12. ECOLOGICAL INFORMATION

Mobility: Insoluble in water.

Other adverse effects: The aerosol contents are potentially harmful to aquatic organisms.

13. DISPOSAL CONSIDERATIONS

Disposal operations: Contact UniconomyLtd to arrange disposal tel: 01253 854050.

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: 1950 **ADR Class:** 2
Classification code: 5F
Shipping name: AEROSOLS
Labelling: 2.1

**IMDG / IMO**

UN no: 1950 **Class:** 2
EmS: F-D,S-U **Marine pollutant:** .

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Labelling: 2.1**IATA / ICAO****UN no:** 1950**Class:** 2**Labelling:** 2.1**15. REGULATORY INFORMATION****Hazard symbols:** Extremely flammable.

Harmful.

**Risk phrases:** R12: Extremely flammable.

R40: Limited evidence of a carcinogenic effect.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrases: S2: Keep out of the reach of children.

S23: Do not breathe vapour/spray.

S36/37: Wear suitable protective clothing and gloves.

S51: Use only in well-ventilated areas.

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

Precautionary phrases: Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children.

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:** This product belongs to Hazard Groups D and S under the COSHH Essentials guidelines (Publication HSG193).

Always use in accordance with manufacturer's directions.

This safety data sheet is prepared in accordance with EC Directive 2001/58/EC.

Risk phrases used in s.2: R40: Limited evidence of a carcinogenic effect.

R10: Flammable.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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R65: Harmful: may cause lung damage if swallowed.

R66: Repeated exposure may cause skin dryness or cracking.

R67: Vapours may cause drowsiness and dizziness.

R20/21: Harmful by inhalation and in contact with skin.

R38: Irritating to skin.

R11: Highly flammable.

R12: Extremely flammable.

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.