



**SAFETY DATA SHEET**  
OPTICOOOL ANTIFREEZE UNIVERSAL CLEAR

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Revision No: 2

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

**1.1. Product identifier**

**Product name:** \* OPTICOOOL ANTIFREEZE UNIVERSAL CLEAR  
**Product code:** D033

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

**Use of substance / mixture:** PC4: Anti-Freeze and de-icing products.

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

**Company name:** Exol Lubricants Ltd  
All Saints Road  
Wednesbury  
West-Midlands  
WS10 9LL  
United Kingdom  
**Tel:** 01215686800  
**Email:** [emma.farrelly@exol-lubricants.com](mailto:emma.farrelly@exol-lubricants.com)

**1.4. Emergency telephone number**

**Emergency tel:** 01215686800

**Section 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification under CLP:** Acute Tox. 4: H302; Eye Irrit. 2: H319; STOT RE 2: H373

**Most important adverse effects:** Harmful if swallowed. Causes serious eye irritation. May cause damage to organs ([kidneys]) through prolonged or repeated exposure ([oral]).

**2.2. Label elements**

**Label elements:**

**Hazard statements:** H302: Harmful if swallowed.  
H319: Causes serious eye irritation.  
H373: May cause damage to organs ([kidneys]) through prolonged or repeated exposure ([oral]).

**Hazard pictograms:** GHS07: Exclamation mark  
GHS08: Health hazard



**Signal words:** Warning

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**Precautionary statements:** P260: Do not breathe dust/fumes/gas/mist/vapours/spray.  
P264: Wash contaminated skin thoroughly after handling.  
P270: Do not eat, drink or smoke when using this product.  
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P330: Rinse mouth.  
P501: Dispose of contents/container to an approved waste disposal operator.

**2.3. Other hazards**

**PBT:** This product is not identified as a PBT/vPvB substance.

**Section 3: Composition/information on ingredients**

**3.2. Mixtures**

**Hazardous ingredients:**

MONO ETHYLENE GLYCOL - REACH registered number(s): 01-2119456816-28

| EINECS    | CAS      | PBT / WEL | CLP Classification                  | Percent |
|-----------|----------|-----------|-------------------------------------|---------|
| 203-473-3 | 107-21-1 | -         | Acute Tox. 4: H302; STOT RE 2: H373 | >90%    |

POTASSIUM 2-ETHYL HEXANOATE

|           |           |   |   |       |
|-----------|-----------|---|---|-------|
| 221-625-7 | 3164-85-0 | - | Skin Irrit. 2: H315; Eye Dam. 1: H318; Repr. 2: H361d | 1-10% |
|-----------|-----------|---|---|-------|

**Contains:** Mono Ethylene Glycol

**Section 4: First aid measures**

**4.1. Description of first aid measures**

**Skin contact:** Wash immediately with plenty of soap and water.

**Eye contact:** Bathe the eye with running water for 15 minutes.

**Ingestion:** Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Transfer to hospital as soon as possible.

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

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

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

**Eye contact:** There may be irritation and redness.

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

**Inhalation:** Absorption through the lungs can occur causing symptoms similar to those of ingestion.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

[cont...]

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

**Immediate / special treatment:** Not applicable.

**Section 5: Fire-fighting measures**

**5.1. Extinguishing media**

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

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

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

**5.3. Advice for fire-fighters**

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

**Section 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

**Personal precautions:** Refer to section 8 of SDS for personal protection details. 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.

**6.2. Environmental precautions**

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

**6.3. Methods and material for containment and cleaning up**

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

**6.4. Reference to other sections**

**Reference to other sections:** Refer to section 8 of SDS.

**Section 7: Handling and storage**

**7.1. Precautions for safe handling**

**Handling requirements:** Avoid the formation or spread of mists in the air. Avoid direct contact with the substance.

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

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

**7.3. Specific end use(s)**

**Specific end use(s):** No data available.

**Section 8: Exposure controls/personal protection**

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**8.1. Control parameters**

**Workplace exposure limits:**

**Respirable dust**

| State | 8 hour TWA           | 15 min. STEL          | 8 hour TWA | 15 min. STEL |
|-------|----------------------|-----------------------|------------|--------------|
| EU    | 60 mg/m <sup>3</sup> | 125 mg/m <sup>3</sup> | -          | -            |

**Hazardous ingredients:**

**MONO ETHYLENE GLYCOL**

**Workplace exposure limits:**

**Respirable dust**

| State | 8 hour TWA  | 15 min. STEL | 8 hour TWA | 15 min. STEL |
|-------|-------------|--------------|------------|--------------|
| EU    | 20 ppm (Sk) | 40 ppm (Sk)  | -          | -            |

**DNEL/PNEC Values**

**Hazardous ingredients:**

**MONO ETHYLENE GLYCOL**

| Type | Exposure                           | Value                | Population | Effect   |
|------|------------------------------------|----------------------|------------|----------|
| DNEL | Inhalation                         | 35 mg/m <sup>3</sup> | Workers    | Local    |
| DNEL | Dermal                             | 106 mg/kg            | Workers    | Systemic |
| DNEL | Inhalation                         | 7 mg/m <sup>3</sup>  | Consumers  | Local    |
| DNEL | Dermal                             | 53 mg/m <sup>3</sup> | Consumers  | Systemic |
| PNEC | Fresh water                        | 10 mg/l              | -          | -        |
| PNEC | Marine water                       | 1 mg/l               | -          | -        |
| PNEC | Microorganisms in sewage treatment | 199.5 mg/l           | -          | -        |
| PNEC | Fresh water sediments              | 20.9 mg/kg           | -          | -        |
| PNEC | Soil (agricultural)                | 1.53 mg/kg           | -          | -        |

**8.2. Exposure controls**

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Respiratory protection not required.

**Hand protection:** Protective gloves.

**Eye protection:** Safety glasses. Ensure eye bath is to hand.

**Skin protection:** Protective clothing.

**Environmental:** Ensure emissions from ventilation or equipment comply with environmental protection legislation.

**Section 9: Physical and chemical properties**

**9.1. Information on basic physical and chemical properties**

**State:** Liquid

**Colour:** Colourless

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**Odour:** Odourless  
**Evaporation rate:** No data available.  
**Oxidising:** No data available.  
**Solubility in water:** Miscible  
**Viscosity:** Non-viscous  
**Boiling point/range°C:** 197  
**Flammability limits %: lower:** No data available.  
**Flash point°C:** 111  
**Autoflammability°C:** 400  
**Relative density:** 1.10 @ 20 deg C  
**VOC g/l:** No data available.

**Melting point/range°C:** -12  
**upper:** No data available.  
**Part.coeff. n-octanol/water:** -1.36  
**Vapour pressure:** 0.05 kPa  
**pH:** 7.5-8.5

**9.2. Other information**

**Other information:** No data available.

**Section 10: Stability and reactivity**

**10.1. Reactivity**

**Reactivity:** Stable under recommended transport or storage conditions.

**10.2. Chemical stability**

**Chemical stability:** Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.  
Decomposition may occur on exposure to conditions or materials listed below.

**10.4. Conditions to avoid**

**Conditions to avoid:** Heat.

**10.5. Incompatible materials**

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

**10.6. Hazardous decomposition products**

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

**Section 11: Toxicological information**

**11.1. Information on toxicological effects**

**Relevant hazards for product:**

| Hazard                      | Route | Basis                 |
|-----------------------------|-------|-----------------------|
| Acute toxicity (ac. tox. 4) | ING   | Hazardous: calculated |

[cont...]

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|                               |     |                       |
|-------------------------------|-----|-----------------------|
| Serious eye damage/irritation | OPT | Hazardous: calculated |
| STOT-repeated exposure        | -   | Hazardous: calculated |

**Symptoms / routes of exposure**

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

**Eye contact:** There may be irritation and redness.

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

**Inhalation:** Absorption through the lungs can occur causing symptoms similar to those of ingestion.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

**Section 12: Ecological information**

**12.1. Toxicity**

**Ecotoxicity values:**

| Species                                | Test      | Value | Units |
|--|-----------|-------|-------|
| FISH                                   | 96H LC50  | 72860 | mg/l  |
| Daphnia magna                          | 48H EC50  | >100  | mg/l  |
| GREEN ALGA (Selenastrum capricornutum) | 96H ErC50 | >6500 | mg/l  |

**12.2. Persistence and degradability**

**Persistence and degradability:** Biodegradable.

**12.3. Bioaccumulative potential**

**Bioaccumulative potential:** No bioaccumulation potential.

**12.4. Mobility in soil**

**Mobility:** Readily absorbed into soil.

**12.5. Results of PBT and vPvB assessment**

**PBT identification:** This product is not identified as a PBT/vPvB substance.

**12.6. Other adverse effects**

**Other adverse effects:** Negligible ecotoxicity.

**Section 13: Disposal considerations**

**13.1. Waste treatment methods**

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

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

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**Section 14: Transport information**

**Transport class:** This product does not require a classification for transport.

**Section 15: Regulatory information**

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

**Specific regulations:** Not applicable.

**15.2. Chemical Safety Assessment**

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

**Section 16: Other information**

**Other information**

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and s.3:** H302: Harmful if swallowed.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H361d: Suspected of damaging the unborn child.

H373: May cause damage to organs ([kidneys]) through prolonged or repeated exposure ([oral]).

**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.