



**SAFETY DATA SHEET**  
OPTICOOL ANTIFREEZE HDX BLUE GREEN

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Compilation date: 27/09/2018  
Revision No: 2

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

**1.1. Product identifier**

**Product name:** \* OPTICOOL ANTIFREEZE HDX BLUE GREEN  
**Product code:** D031

**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; STOT RE 2: H373

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

**2.2. Label elements**

**Label elements:**

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

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



**Signal words:** Warning

**Precautionary statements:** P260: Do not breathe dust/fumes/gas/mist/vapours/spray.

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- P264: Wash hands thoroughly after handling.  
P270: Do not eat, drink or smoke when using this product.  
P314: Get medical advice/attention if you feel unwell.  
P330: Rinse mouth.  
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor.  
P501: Dispose of contents/container to in accordance with national regulations.

## 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%

SODIUM BENZOATE

208-534-8	532-32-1	-	Eye Irrit. 2: H319	1-10%
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DISODIUM TETRABORATE DECAHYDRATE

215-540-4	1303-96-4	-	Repr. 1B: H360FD	1-10%
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**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**

**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/m3	Workers	Local
DNEL	Dermal	106 mg/kg	Workers	Systemic
DNEL	Inhalation	7 mg/m3	Consumers	Local
DNEL	Dermal	53 mg/m3	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:** Green-blue

**Odour:** Odourless

**Evaporation rate:** No data available.

**Oxidising:** No data available.

**Solubility in water:** Miscible

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**Viscosity:** Non-viscous  
**Boiling point/range°C:** 160-200  
**Flammability limits %: lower:** No data available.  
**Flash point°C:** >120  
**Autoflammability°C:** No data available.  
**Relative density:** 1.127 @ 15 deg C  
**VOC g/l:** No data available.

**Melting point/range°C:** No data available.  
**upper:** No data available.  
**Part.coeff. n-octanol/water:** No data available.  
**Vapour pressure:** <0.1 mPa  
**pH:** No data available.

**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
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.

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**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:** No data available.

### 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.

## 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.

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**Phrases used in s.2 and s.3:** H302: Harmful if swallowed.  
H319: Causes serious eye irritation.  
H360FD: May damage fertility. May damage 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.