



SAFETY DATA SHEET
OPTICOOOL ANTIFREEZE HD GREEN

Page: 1

Compilation date: 27/09/2018

Revision No: 3

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

1.1. Product identifier

Product name: * OPTICOOOL ANTIFREEZE HD GREEN

Product code: D027

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

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.

[cont...]

SAFETY DATA SHEET

OPTICOOL ANTIFREEZE HD GREEN

Page: 2

P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor.

P264: Wash hands thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P330: Rinse mouth.

P501: Dispose of contents/container to an authorised waste disposal contractor.

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% |

DISODIUM TETRABORATE DECAHYDRATE

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

SODIUM BENZOATE

| | | | | |
|-----------|----------|---|--------------------|-------|
| 208-534-8 | 532-32-1 | - | Eye Irrit. 2: H319 | 1-10% |
|-----------|----------|---|--------------------|-------|

SODIUM NITRITE

| | | | | |
|-----------|-----------|---|--|-----|
| 231-555-9 | 7632-00-0 | - | Ox. Sol. 3: H272; Acute Tox. 3: H301; Aquatic Acute 1: H400 | <1% |
|-----------|-----------|---|--|-----|

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.

[cont...]

SAFETY DATA SHEET
OPTICOOOL ANTIFREEZE HD GREEN

Page: 3

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

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.

[cont...]

SAFETY DATA SHEET
OPTICOOOL ANTIFREEZE HD GREEN

Section 8: Exposure controls/personal protection

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 ³ | 125 mg/m ³ | - | - |

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 ³ | Workers | Local |
| DNEL | Dermal | 106 mg/kg | Workers | Systemic |
| DNEL | Inhalation | 7 mg/m ³ | Consumers | Local |
| DNEL | Dermal | 53 mg/m ³ | 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

SAFETY DATA SHEET
OPTICOOL ANTIFREEZE HD GREEN

Page: 5

9.1. Information on basic physical and chemical properties

| | |
|---|---|
| State: Liquid | |
| Colour: Green | |
| Odour: Odourless | |
| Evaporation rate: No data available. | |
| Oxidising: No data available. | |
| Solubility in water: Miscible | |
| Viscosity: Non-viscous | |
| Boiling point/range°C: 197 | Melting point/range°C: -12 |
| Flammability limits %: lower: No data available. | upper: No data available. |
| Flash point°C: 111 | Part.coeff. n-octanol/water: -1.36 |
| Autoflammability°C: 400 | Vapour pressure: 0.05 kPa |
| Relative density: ~1.11 @ 20 deg C | pH: No data available. |
| VOC g/l: 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

[cont...]

SAFETY DATA SHEET
OPTICOOOL ANTIFREEZE HD GREEN

Page: 6

Toxicity values:

| Route | Species | Test | Value | Units |
|---------|---------|---------|-------|-------|
| ORAL | RAT | LD50 | 7712 | mg/kg |
| DERMAL | MUS | LD50 | 3500 | mg/kg |
| VAPOURS | RAT | 4H LC50 | 2.5 | mg/l |

Hazardous ingredients:

SODIUM NITRITE

| | | | | |
|-----|-----|------|-------|-------|
| ORL | MUS | LD50 | 175 | mg/kg |
| ORL | RAT | LD50 | 180 | mg/kg |
| SCU | RAT | LD50 | 96600 | µg/kg |

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.

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.

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SAFETY DATA SHEET
OPTICOOL ANTIFREEZE HD GREEN

Page: 7

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.

Phrases used in s.2 and s.3: H272: May intensify fire; oxidiser.

H301: Toxic if swallowed.

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]).

H400: Very toxic to aquatic life.

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.

[final page]