

SAFETY DATA SHEET

Safety data sheet according to (EC) No. 1907/2006.

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

1.1. Product identifier:

ThredOn Enviro-Lube

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

Lubricant.

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

| | |
|-----------------------------|----------------------------|
| Manufacturer: | Importer/distributor: |
| South Coast Products | BREUM Oilfield Maintenance |
| 20 Southbelt Industrial Dr. | Slugten 16 |
| Houston, TX 77047 | DK-9380 Vestbjerg |
| USA | Denmark |
| | Tel.: +45 20941093 |

Responsible for the safety data sheet (e-mail): altox@altox.dk

1.4. Emergency telephone:

UK: + 44 844 892 0111 (24 hrs)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture:

Alttox a/s has concluded the mixture is not to be classified according to EC (67/548 or 1999/45) and CLP (1272/2008).

2.2. Label elements:

None.

2.3. Other hazards: High pressure injection under skin is a medical emergency.

PBT/vPvB: The ingredients are not considered PBT/vPvB according to criteria in Annex XIII.

SECTION 3: Composition/information on ingredients

3.2. Mixtures: Ester grease.

SECTION 4: First-aid measures

4.1. Description of first aid measures:

Inhalation: Remove to fresh air. Keep at rest. In case of discomfort: Seek medical advice.

Skin contact: Remove contaminated clothing and wash with soap and water. If irritation persists: Seek medical advice.

Eye contact: Flush with water or physiological salt water, holding eye lids open, remember to remove contact lenses, if any. If irritation persists: Seek medical advice.

Ingestion: Rinse mouth and drink plenty of water. Keep at rest. In case of discomfort: Seek medical advice.

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

May cause skin and eye irritation.

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

Show this safety data sheet to a physician or emergency ward.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media:

Use water spray (never water jet), dry chemical, foam or carbon dioxide.

5.2. Special hazards arising from the substance or mixture:

Avoid inhalation of fumes. In case of fire the product may form hazardous decomposition products such as carbon oxides.

5.3. Advice for firefighters:

When extinguishing fires use breathing apparatus with an independent source of air.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment - see section 8.

6.2. Environmental precautions:

Do not empty into drains. Collect spillage and hand over to appropriate authorities.

6.3. Methods and material for containment and cleaning up:

Waste forms a slippery surface in contact with water (risk of slipping accidents). Scrape up with a stiff cardboard or similar. Wash with a hard surface cleaner. Further handling of spillage - see section 13.

6.4. Reference to other sections:

See above.

SECTION 7: Handling and storage

7.1. Precautions for safe handling:

Avoid contact with skin and eyes. Wash with water and soap after work.

7.2. Conditions for safe storage, including any incompatibilities:

In sealed container in a dry, cool and well ventilated location away from strong oxidizing agents and acids.

Storage temperature: < 65 ° C

7.3. Specific end use(s):

See section 1.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters:

Occupational exposure limits: None

DNEL/PNEC: No CSR.

8.2. Exposure controls:

Appropriate engineering controls: None particular.

Personal protective equipment:

Respiratory protection: Normally not necessary.

Skin protection: Wear protective gloves of e.g. nitrile (EN374). There are no available data for breakthrough time, therefore it is recommended to change the glove if spilled on.

Eye protection: Use safety goggles (EN166) when there is a risk of splashes.

Environmental exposure controls: None particular.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties:

| | |
|---|-----------------------|
| Appearance: | Beige paste |
| Odour: | Mild odor |
| Odour threshold: | Not determined |
| pH: | Not determined |
| Melting point/freezing point (°C): | Not determined |
| Initial boiling point and boiling range (°C): | Not determined |
| Flash point (°C): | Not relevant |
| Evaporation rate: | Not determined |
| Flammability (solid, gas): | > 200 (COC) |
| Upper/lower flammability or explosive limits (vol-%): | Not relevant |
| Vapour pressure: | Not determined |
| Relative density: | 1.2 |
| Solubility: | Insoluble in water |
| Partition coefficient: n-octanol/water: | Not determined |
| Auto-ignition temperature (°C): | Not relevant |
| Decomposition temperature (°C): | Not determined |
| Viscosity (penetration, 25°C): | 265 – 295 (ASTM D217) |
| Explosive properties: | Not relevant |
| Oxidising properties: | Not relevant |

9.2. Other information:

None relevant.

SECTION 10: Stability and reactivity

10.1. Reactivity:

No available information.

10.2. Chemical stability:

Stable (see section 7).

10.3. Possibility of hazardous reactions:

No available information.

10.4. Conditions to avoid:

No available information.

10.5. Incompatible materials:

Strong oxidizers and acids.

10.6. Hazardous decomposition products:

When heated to very high temperatures (decomposition) it emits toxic gases: carbon oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects:

The mixture contains no hazardous substances in significant quantities.

Information on likely routes of exposure: Skin and gastrointestinal tract.

Symptoms:

Inhalation: Inhalation is not likely.

Skin: Prolonged or repeated contact may cause defatting. The oil may give rise to oil acne and abscesses, which is localized to the places where the garments greased rubs against the skin

Eyes: May cause slightly irritation.

Ingestion: May irritate the mucous membranes of the gastrointestinal tract and possible cause nausea, vomiting and diarrhoea.

Chronic effects: Prolonged or repeated skin contact may cause dermatitis with the risk of cracking, redness and itching.

SECTION 12: Ecological information

12.1. Toxicity:

Ester grease is only slightly toxic to aquatic life ($LC_{50} > 100$ mg/l).

12.2. Persistence and degradability:

Ester grease is rapidly degradable.

12.3. Bioaccumulative potential:

No available data.

12.4. Mobility in soil:

No available data.

12.5. Results of PBT and vPvB assessment:

The ingredients are not considered PBT/vPvB according to criteria in Annex XIII.

12.6. Other adverse effects:

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods:

Disposal should be according to local, state or national legislation. Dispose through authority facilities or pass to a chemical disposal company.

EWC-Code: 12 01 12 (reagent) and 15 02 03 (Paper and similar contaminated with the reagent)

SECTION 14: Transport information

Not dangerous goods (ADR/RID/IMDG/IATA).

14.1. UN-no.: None.

14.2. UN proper shipping name: None.

14.3. Transport hazard class(es): None.

14.4. Packing group: None.

14.5. Environmental hazards: No.

14.6. Special precautions for user: None.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not relevant.

SECTION 15: Regulatory information

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

None.

15.2. Chemical Safety Assessment:

No CSR.

SECTION 16: Other information

Abbreviations:

At. = Arbejdstilsynet

CMR = Carcinogenicity, mutagenicity og reproductive toxicity.

CSR = Chemical Safety Report

DNEL = Derived No-Effect Level

PBT = Persistent, Bioaccumulative, Toxic

PNEC = Predicted No-Effect Concentration

vPvB = very Persistent, very Bioaccumulative

Literature:

RTECS = Register of Toxic Effects of Chemical Substances (database)

Training advice:

No special training is required. However, the user should be well instructed in the execution of the task, be familiar with this Safety Data Sheet and have normal training in the use of personal protective equipment.

Changes since the previous edition:

Not relevant.

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