

SAFETY DATA SHEET



Product name: ECOSURE EAF 46
Supersedes date:
Product No.:

Page: 1/10
Last revised date: 2024-01-25
SDS-ID: EU-EN/1.0

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name: ECOSURE EAF 46

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

Application: Hydraulic oil.

1.3. Details of the supplier of the safety data sheet

Supplier: Uno-X Smørelje AS
Gladengveien 2
NO-0661 Oslo
Tel: 04210 / +4795059618
olje@unox.no
<https://olje.unox.no>

Supplier: Uno-X Smørelie A/S
Buddingevej 195
DK-2860 Søborg
Tel: +45 7011 5678
teknik@unox.dk
<https://lube.unox.dk/>

Responsible for safety data sheet authoring: teknik@unox.dk

1.4. Emergency telephone number

Emergency telephone: National Poison Control Centres are available in Member Countries.
Product information / Technical information: (+47) 04210

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

CLP: The product is not classified.

2.2. Label elements

The substance/mixture does not meet the criteria for classification and labelling.

2.3. Other hazards

PBT/vPvB: This product does not contain any PBT or vPvB substances.

Endocrine disrupting properties: The product does not contain any substance identified as having endocrine disrupting properties.

SAFETY DATA SHEET

Product name: ECOSURE EAF 46
Supersedes date:
Product No.:

Page: 2/10
Last revised date: 2024-01-25
SDS-ID: EU-EN/1.0

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

CLP:

<u>%:</u>	<u>CAS-No.</u>	<u>EC-no.:</u>	<u>REACH</u> <u>Reg.No.:</u>	<u>Chemical name:</u>	<u>Hazard classification</u>	<u>Notes:</u>
25-50	-	700-184-9		Pentadecane, 7-methylene mixed with 1-tetradecene, dimers and trimer, hydrogenated	Asp. Tox. 1;H304	

Reference: The full text for all hazard statements is displayed in section 16.

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

<u>Inhalation:</u>	No specific first aid measures noted. Get medical attention if any discomfort continues.
<u>Skin contact:</u>	Remove contaminated clothing. Wash skin with soap and water. Get medical attention if any discomfort continues.
<u>Eye contact:</u>	Rinse the eye with water immediately. Make sure to remove any contact lenses from the eyes before rinsing.
<u>Ingestion:</u>	Rinse mouth with water. Drink 1-2 glasses of water. Do not induce vomiting. Get medical attention.

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

<u>Symptoms/effects:</u>	Inhalation of oil mist or vapours formed during heating of the product may irritate the respiratory system and provoke throat irritation and coughing See section 11 for more detailed information on health effects and symptoms.
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4.3. Indication of any immediate medical attention and special treatment needed

Medical attention/treatments: Treat symptomatically.

SAFETY DATA SHEET

Product name:	ECOSURE EAF 46	Page:	3/10
Supersedes date:		Last revised date:	2024-01-25
Product No.:		SDS-ID:	EU-EN/1.0

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media: Use fire-extinguishing media appropriate for surrounding materials. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

Unsuitable extinguishing media: Do not use water-jet as an extinguisher.

5.2. Special hazards arising from the substance or mixture

Specific hazards: Do not allow run-off from fire fighting to enter drains and water courses. When heated and in case of fire, harmful vapours/gases may be formed. Carbon monoxide (CO). Carbon dioxide (CO₂).

5.3. Advice for firefighters

Protective equipment for fire-fighters: Selection of respiratory protection for fire fighting: follow the general fire precautions indicated in the workplace.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Follow precautions for safe handling described in this safety data sheet. Remove sources of ignition. Wear personal protective equipment. Provide adequate ventilation.

6.2. Environmental precautions

Environmental precautions: Stop the source of the leak or release, if this can be done without risk. Prevent spills to enter and spread to drains, sewers, water courses, and soil. Contact local authorities in case of spillage to drain/aquatic environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Stop the source of the leak or release. Clean up releases as soon as possible. Contain liquid to prevent further contamination of soil, surface water or groundwater.
Clean up small spills using appropriate techniques such as absorbent materials. Where feasible and appropriate, remove contaminated soil.
Follow prescribed procedures for reporting and responding to larger releases.

6.4. Reference to other sections

References: For personal protection, see section 8.
For waste disposal, see section 13.

SAFETY DATA SHEET

Product name:	ECOSURE EAF 46	Page:	4/10
Supersedes date:		Last revised date:	2024-01-25
Product No.:		SDS-ID:	EU-EN/1.0

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Safe handling advice: Observe good chemical hygiene practices. Avoid contact with skin and eyes. Avoid eating, drinking and smoking when using the product. Extremely slippery when spilled. Wash hands before breaks and before smoking, eating or drinking. Wash hands and contaminated areas with water and soap after finished work.

Technical measures: Keep the workplace clean. Ground container and transfer equipment to eliminate static electric sparks.

Technical precautions: Mechanical ventilation may be required. Never use pressure to empty containers. The container is not a pressure vessel.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures for safe storage: No special precautions.

Storage conditions: Store in tightly closed original container in a dry, cool and well-ventilated place. Protect from direct sun light.

Keep containers closed when they are stored. Emptied container still contains material which may ignite with explosive violence if heated sufficiently. Keep away of flame or any source of ignition. Do not use pressure to empty drum or explosion may result.

Storage time: Maximum 5 years.

7.3. Specific end use(s)

Specific use(s): Not applicable.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

EU: No occupational exposure limit assigned.

Please note that there may be national occupational exposure limits.

8.2. Exposure controls

Engineering measures: Provide adequate ventilation and minimize the risk of inhalation of vapours and oil mist.

Respiratory equipment: Under normal conditions of use respiration protection should not be required.

Hand protection: For prolonged or repeated skin contact use suitable protective gloves.
Nitrile: Thickness: 0,8 mm. Breakthrough time: 240 min.
The most suitable glove must be chosen in collaboration with the supplier of gloves, who can inform about the breakthrough time of the glove material.

Eye protection: Risk of splashes: Safety glasses with side-shields

Skin protection: Wear apron or protective clothing in case of splashes.

Hygiene measures: Wash hands after handling.

SAFETY DATA SHEET

Product name:	ECOSURE EAF 46	Page:	5/10
Supersedes date:		Last revised date:	2024-01-25
Product No.:		SDS-ID:	EU-EN/1.0

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state: Liquid / oily.

Colour: Light yellow

Odour: Characteristic.

pH: Not applicable.

Melting point / freezing point: Not available.

Boiling point: Not available.

Flash point: > 185°C

Relative density: 0,882 @ 15°C

Solubility: Insoluble or poorly soluble in water.

Partition coefficient (n-octanol/water): Not available.

Auto-ignition temperature (°C): Not self-igniting.

Decomposition temperature (°C): Not available.

Viscosity: 46 mm²/s @ 40°C

Explosive properties: Not explosive.

Oxidising properties: Not available.

9.2. Other information

Other data: No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity: Not reactive under normal temperature conditions and recommended use.

10.2. Chemical stability

Stability: Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Hazardous Reactions: Hazardous polymerisation will not occur.

10.4. Conditions to avoid

Conditions/materials to avoid: Not applicable.

10.5. Incompatible materials

Incompatible materials: None known.

10.6. Hazardous decomposition products

Hazardous decomposition products: None under normal conditions.

SAFETY DATA SHEET

Product name:	ECOSURE EAF 46	Page:	6/10
Supersedes date:		Last revised date:	2024-01-25
Product No.:		SDS-ID:	EU-EN/1.0

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute Toxicity (Oral): Based on available data, the classification criteria are not met.

Acute Toxicity (Dermal): Based on available data, the classification criteria are not met.

Acute Toxicity (Inhalation): Based on available data, the classification criteria are not met.

Skin Corrosion/Irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive Toxicity: Based on available data, the classification criteria are not met.

STOT - Single exposure: Based on available data, the classification criteria are not met.

STOT - Repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

Inhalation: Inhalation of oil mist or vapours formed during heating of the product may irritate the respiratory system and provoke throat irritation and coughing.

Skin contact: Prolonged or repeated contact with skin may cause redness, itching, irritation and eczema/chapping.

Eye contact: Direct contact may irritate and cause redness and pain.

Ingestion: May irritate and cause malaise.

11.2. Information on other hazards

Endocrine disrupting properties: The product does not contain any substance identified as having endocrine disrupting properties.

SAFETY DATA SHEET

Product name:	ECOSURE EAF 46	Page:	7/10
Supersedes date:		Last revised date:	2024-01-25
Product No.:		SDS-ID:	EU-EN/1.0

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity: Not classified as dangerous to the environment. However, the product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters.

LC50 (Fish, 96 h): >1000 mg/l (OECD 203)
EC50 (Algae, 72 h): >1000 mg/l (OECD 201)
LC50 (Daphnia, 48 h): >1000 mg/l (OECD 202)
EC50 (Bacteria): >1000 mg/l (OECD 209)

12.2. Persistence and degradability

Degradability: The product is biodegradable (OECD 301B).

12.3. Bioaccumulative potential

Bioaccumulative potential: Does not bioaccumulate (OECD 301B).

12.4. Mobility in soil

Mobility: No data available.

12.5. Results of PBT and vPvB assessment

PBT/vPvB: This product does not contain any PBT or vPvB substances.

12.6. Endocrine disrupting properties

Endocrine disrupting properties: The product does not contain any substance identified as having endocrine disrupting properties.

12.7. Other adverse effects

Other adverse effects: None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements. Drums must be emptied and disposed of in accordance with current regulations or sent to recycling without removal of the label.

Waste from residues: EWC-code: 13 01 12

Contaminated packaging: Dispose of contaminated packings as residue.

SAFETY DATA SHEET

Product name: ECOSURE EAF 46

Page: 8/10

Supersedes date:

Last revised date: 2024-01-25

Product No.:

SDS-ID: EU-EN/1.0

SECTION 14: TRANSPORT INFORMATION

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/AND/RID).

14.1. UN number

UN-No: -

14.2. UN proper shipping name

Proper Shipping Name: -

14.3. Transport hazard class(es)

Class: -

14.4. Packing group

PG: -

14.5. Environmental hazards

Marine pollutant: -

Environmentally Hazardous
substance: -

14.6. Special precautions for user

Special precautions: None known.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk: Not relevant.

SAFETY DATA SHEET

Product name:	ECOSURE EAF 46	Page:	9/10
Supersedes date:		Last revised date:	2024-01-25
Product No.:		SDS-ID:	EU-EN/1.0

SECTION 15: REGULATORY INFORMATION

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

National regulation: Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, with amendments.

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

Commission Directive 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work, with amendments.

Commission Directive 91/322/EEC of 29 May 1991 on establishing indicative limit values by implementing Council Directive 80/1107/EEC on the protection of workers from the risks related to exposure to chemical, physical and biological agents at work, with amendments.

Directive 2004/37/EC of the European Parliament and of the Council of 29 April 2004 on the protection of workers from the risks related to exposure to carcinogens or mutagens at work, with amendments.

Directive 2009/148/EC of the European Parliament and of the Council of 30 November 2009 on the protection of workers from the risks related to exposure to asbestos at work, with amendments.

Council Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work, with amendments.

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives, with amendments.

2014/955/EC: Commission Decision of 18 December 2014 amending Decision 2000/532/EC as regards the list of wastes.

15.2. Chemical Safety Assessment

CSA status: No chemical safety assessment has been carried out.

SAFETY DATA SHEET

Product name:	ECOSURE EAF 46	Page:	10/10
Supersedes date:		Last revised date:	2024-01-25
Product No.:		SDS-ID:	EU-EN/1.0

SECTION 16: OTHER INFORMATION

The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.

Handling of used oils:

Protect health - avoid prolonged and repeated skin contact. Wash with soap and water. Protect the environment - do not pollute drains, water courses or the soil. Contact your local authority for any used oil disposal instructions.

Abbreviations and acronyms

used in the safety data sheet:

CSA = Chemical Safety Assessment.
EC50 = Effective Concentration 50%.
EWC = European Waste Catalogue.
LC50 = Lethal Concentration 50%.
PBT = Persistent, Bioaccumulative and Toxic.
STOT = Specific Target Organ Toxicity.
vPvB = very Persistent and very Bioaccumulative.

Wording of H-statements:

H304 May be fatal if swallowed and enters airways.

The information on this data sheet represents our current data and is reliable provided that the product is used under the prescribed conditions and in accordance with the application specified on the packaging and/or in the technical guidance literature. Any other use of the product which involves using the product in combination with any other product or any other process is the responsibility of the user.

Made by DHI - Environment and Toxicology, Artvej 5, DK-2970 Hørsholm, Denmark.
www.dhigroup.com.
