

Product name:	Hydraulic Oil Arctic	Page:	1/13
Supersedes date:	2019-10-24	Last revised date:	2021-03-16
Product No.:	I 6258	SDS-ID:	EU-EN/2.0

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

1.1. Product identifier

Product name: Hydraulic Oil Arctic

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: YX Smøreolie A/S
Buddingevej 195
DK-2860 Søborg
Tel:+45 7011 5678
teknik@yxlube.dk
<https://yxlube.dk/>

Supplier: YX Smøreolje AS
Lysaker Torg 35
NO-1366 Lysaker
Tel:+47 04210
olje@yx.no
<https://olje.yx.no>

1.4. Emergency telephone number

Emergency telephone: Call a Poison Center, emergency number or doctor/physician. National Poison Control Centres are available in Member Countries.

SAFETY DATA SHEET

Product name:	Hydraulic Oil Arctic	Page:	2/13
Supersedes date:	2019-10-24	Last revised date:	2021-03-16
Product No.:	I 6258	SDS-ID:	EU-EN/2.0

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

The product is classified: Asp. Tox. 1;H304 - Aquatic Chronic 3;H412

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

2.2. Label elements



Danger

Contains: Distillates (petroleum), hydrotreated middle
Distillates (petroleum), hydrotreated light paraffinic

H304 May be fatal if swallowed and enters airways.

H412 Harmful to aquatic life with long lasting effects.

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

P331 Do NOT induce vomiting.

P405 Store locked up.

P273 Avoid release to the environment.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

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

Other: Prolonged skin contact may cause redness, irritation and dry skin. Product that under high pressure has been forced under the skin, may cause serious cell damage/death under the skin. In high concentrations, vapours and spray mists are narcotic and may cause headache, fatigue, dizziness and nausea. The product is combustible and will evolve noxious fumes (such as carbon dioxide) if involved in a fire.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

SAFETY DATA SHEET

Product name: Hydraulic Oil Arctic Page: 3/13
Supersedes date: 2019-10-24 Last revised date: 2021-03-16
Product No.: I 6258 SDS-ID: EU-EN/2.0

CLP:

%:	CAS-No.:	EC No.:	REACH Reg. No:	Chemical name:	Hazard classification:	Notes:
70-80	64742-46-7		01-2119827000-58	Distillates (petroleum), hydrotreated middle	Asp. Tox. 1;H304	
10-15	64742-55-8	265-158-7	01-2119487077-29	Distillates (petroleum), hydrotreated light paraffinic	Asp. Tox. 1;H304	L
0,1 - < 1	128-39-2	204-884-0	01-2119490822-33	2,6-Di-tert-butylphenol	Skin Irrit. 2;H315 Aquatic Acute 1;H400 Aquatic Chronic 1;H410	

Notes: L: DMSO < 3% (IP 346)

SCL (CAS 128-39-2):

M(ac): 1

M(chr): 1

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

SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation: Move injured person into fresh air and keep person calm under observation. If uncomfortable: Seek hospital and bring along these instructions. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen.

Skin contact: Remove contaminated clothing and wash skin with soap and water. Product that under high pressure has been forced under the skin causes a serious situation and requires IMMEDIATE hospital treatment. Even though initial symptoms from injection may be minimal or absent, early surgical intervention will reduce the extent of injury.

Eye contact: Immediately flush with plenty of water for at least 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.

Ingestion: Immediately rinse mouth and drink 1-2 glasses of water or milk. Keep person under observation. Do not induce vomiting. If vomiting occurs, keep head low. Immediate transport to hospital. Bring along these instructions.

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

Symptoms/effects: Skin contact: Local necrosis appears as delayed pain and tissue damage a few hours after injection. Prolonged or repeated contact with skin may cause redness, itching, irritation, eczema, skin cracking and oil acne.
Ingestion: Be aware that symptoms of lung oedema (shortness of breath) may develop up to 24 hours after exposure.
See section 11 for more detailed information on health effects and symptoms.

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

Medical attention/treatments: Treat symptomatically.
Be aware that symptoms of chemical pneumonia may occur several hours after exposure.

SAFETY DATA SHEET

Product name:	Hydraulic Oil Arctic	Page:	4/13
Supersedes date:	2019-10-24	Last revised date:	2021-03-16
Product No.:	I 6258	SDS-ID:	EU-EN/2.0

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media: Extinguish with foam, carbon dioxide, dry powder or water fog. Cool containers exposed to heat with water spray and remove container, if no risk is involved.

Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards: Closed containers can burst violently when heated, due to excess pressure build-up.
Vapours are heavier than air and may travel along the floor and in the bottom of containers.
During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters

Protective equipment for fire-fighters: Fire in closed areas should only be extinguished by trained personnel. Use air-supplied respirator during fire fighting. Wear a self contained breathing apparatus in fire conditions.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Remove all sources of ignition. Avoid inhalation of vapours and contact with skin and eyes. Keep upwind.

Emergency procedures: Large Spillages: Notify fire brigade. Inform local authorities about spillage.

6.2. Environmental precautions

Environmental precautions: 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 or pumping. Where feasible and appropriate, remove contaminated soil. Follow prescribed procedures for reporting and responding to larger releases.
Spillage close to water inlets: Notify persons concerned.

6.3. Methods and material for containment and cleaning up

Methods for containment: Dam and absorb spillages with sand, earth or other non-combustible material.

Methods for cleaning up: Remove spillage immediately. Clean contaminated area with oil-removing material.

6.4. Reference to other sections

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

SAFETY DATA SHEET

Product name:	Hydraulic Oil Arctic	Page:	5/13
Supersedes date:	2019-10-24	Last revised date:	2021-03-16
Product No.:	I 6258	SDS-ID:	EU-EN/2.0

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Safe handling advice: Avoid any exposure. Observe good chemical hygiene practices. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Heated product can form flammable vapours. Vapours may be concentrated at floor level and low lying areas.

Technical measures: Use antispark tools. Work practice should minimise contact. Do not eat, drink or smoke when using the product.

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: Container can pose a hazard even when emptied.

Storage conditions: Keep only in the original container in a cool well-ventilated place. Protect against direct sunlight. Keep away from oxidising agents. Keep away from heat, sparks and open flame.

7.3. Specific end use(s)

Specific use(s): Not relevant.

SAFETY DATA SHEET

Product name:	Hydraulic Oil Arctic	Page:	6/13
Supersedes date:	2019-10-24	Last revised date:	2021-03-16
Product No.:	I 6258	SDS-ID:	EU-EN/2.0

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

No occupational exposure limit assigned.
Please note that there may be national occupational exposure limits.

8.2. Exposure controls

<u>Engineering measures:</u>	Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours.
<u>Personal protection:</u>	Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.
<u>Respiratory equipment:</u>	In case of inadequate ventilation or risk of inhalation of vapours, use suitable respiratory equipment with combination filter (type A2/P2).
<u>Hand protection:</u>	Wear protective gloves. It is recommended to use gloves of Viton or nitrile rubber. Thickness: $\geq 0,38$ mm. Breakthrough time: > 240 min. Other types of gloves can be recommended by the glove supplier. Be aware that the liquid may penetrate the gloves. Frequent change is advisable.
<u>Eye protection:</u>	Risk of contact: Wear goggles/face shield.
<u>Skin protection:</u>	Wear suitable protective clothing as protection against splashing or contamination.
<u>Hygiene measures:</u>	Wash hands after handling. Wash contaminated clothing before reuse. When using do not eat, drink or smoke. Personal protection must be kept separate from other clothes.
<u>Environmental Exposure Controls:</u>	Not available.

SAFETY DATA SHEET

Product name:	Hydraulic Oil Arctic	Page:	7/13
Supersedes date:	2019-10-24	Last revised date:	2021-03-16
Product No.:	I 6258	SDS-ID:	EU-EN/2.0

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance: Liquid.

Colour: Red.

Odour: Hydrocarbons.

Odour threshold: Not available.

pH: Not relevant.

Melting point / freezing point: Not available.

Initial boiling point and boiling range: Not available.

Flash point: $\geq 80^{\circ}\text{C}$ Cd OC (Cleveland open cup).

Evaporation rate: Not available.

Flammability (solid, gas): Not relevant.

Explosion limits: Not relevant.

Vapour pressure: Not available.

Vapour density: Not available.

Relative density: 0,8773 kg/l (15°C)

Solubility: Soluble in: Hydrocarbons. Insoluble in water.

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

Auto-ignition temperature ($^{\circ}\text{C}$): Not available.

Decomposition temperature ($^{\circ}\text{C}$): Not relevant.

Viscosity: $\geq 13,2$ mm²/s (40°C)

Explosive properties: Not available.

Oxidising properties: Not available.

9.2. Other information

Other data: Not known.

SAFETY DATA SHEET

Product name:	Hydraulic Oil Arctic	Page:	8/13
Supersedes date:	2019-10-24	Last revised date:	2021-03-16
Product No.:	I 6258	SDS-ID:	EU-EN/2.0

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity: Not reactive.

10.2. Chemical stability

Stability: The product is stable under normal handling and storage conditions.

10.3. Possibility of hazardous reactions

Hazardous Reactions: Polymerization will not occur.

10.4. Conditions to avoid

Conditions/materials to avoid: Heat, sparks, flames. Direct sunlight.

10.5. Incompatible materials

Incompatible materials: Strong oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Hazardous decomposition products: None known.

SAFETY DATA SHEET

Product name:	Hydraulic Oil Arctic	Page:	9/13
Supersedes date:	2019-10-24	Last revised date:	2021-03-16
Product No.:	I 6258	SDS-ID:	EU-EN/2.0

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Low order of acute toxicity, but aspiration following ingestion and vomiting may cause severe and potentially fatal chemical pneumonitis.

<u>Acute Toxicity (Oral):</u>	Based on available data, the classification criteria are not met.
<u>Acute Toxicity (Dermal):</u>	Based on available data, the classification criteria are not met.
<u>Acute Toxicity (Inhalation):</u>	Based on available data, the classification criteria are not met.
<u>Skin Corrosion/Irritation:</u>	Based on available data, the classification criteria are not met.
<u>Serious eye damage/irritation:</u>	Based on available data, the classification criteria are not met.
<u>Respiratory or skin sensitisation:</u>	Based on available data, the classification criteria are not met.
<u>Germ cell mutagenicity:</u>	Based on available data, the classification criteria are not met.
<u>Carcinogenicity:</u>	Based on available data, the classification criteria are not met.
<u>Reproductive Toxicity:</u>	Based on available data, the classification criteria are not met.
<u>STOT - Single exposure:</u>	Based on available data, the classification criteria are not met.
<u>STOT - Repeated exposure:</u>	Based on available data, the classification criteria are not met.
<u>Aspiration hazard:</u>	May be fatal if swallowed and enters airways.
<u>Inhalation:</u>	Vapours may irritate throat and respiratory system and cause coughing. Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.
<u>Skin contact:</u>	Prolonged skin contact may cause redness, irritation and dry skin.
<u>Eye contact:</u>	May cause temporary eye irritation.
<u>Ingestion:</u>	May irritate and cause malaise. Be aware that symptoms of chemical pneumonia may occur several hours after exposure.
<u>Specific effects:</u>	Product that under high pressure has been forced under the skin, may cause serious cell damage/death under the skin.

11.2. Information on other hazards

<u>Endocrine disrupting properties:</u>	The product does not contain any substance identified as having endocrine disrupting properties.
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SAFETY DATA SHEET

Product name:	Hydraulic Oil Arctic	Page:	10/13
Supersedes date:	2019-10-24	Last revised date:	2021-03-16
Product No.:	I 6258	SDS-ID:	EU-EN/2.0

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity: The product is harmful to aquatic organisms and may cause long term adverse effects in the aquatic environment.

2,6-Di-tert-butylphenol

M-factor (acute): 1

M-factor (chronic): 1

12.2. Persistence and degradability

Degradability: The product is not expected to be readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available on bioaccumulation.

12.4. Mobility in soil

Mobility: No information 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: The product is insoluble in water and will spread on the water surface. An oil film may cause physical damage to organisms and disturb the transportation of oxygen in the intermediate zone between air/water or water/air.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements. Waste is classified as hazardous waste.

Waste from residues: EWC-code: 13 01 10

Contaminated packaging: EWC-code: 15 01 10

SAFETY DATA SHEET

Product name:	Hydraulic Oil Arctic	Page:	11/13
Supersedes date:	2019-10-24	Last revised date:	2021-03-16
Product No.:	I 6258	SDS-ID:	EU-EN/2.0

SECTION 14: TRANSPORT INFORMATION

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/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: Not relevant.

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:	Hydraulic Oil Arctic	Page:	12/13
Supersedes date:	2019-10-24	Last revised date:	2021-03-16
Product No.:	I 6258	SDS-ID:	EU-EN/2.0

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.

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.

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.

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:	Hydraulic Oil Arctic	Page:	13/13
Supersedes date:	2019-10-24	Last revised date:	2021-03-16
Product No.:	I 6258	SDS-ID:	EU-EN/2.0

SECTION 16: OTHER INFORMATION

The user must be instructed in the proper work procedure and be familiar with the contents of these instructions. The following sections contain revisions or new statements: 1, 2, 3, 4, 8, 9, 11, 12, 16.

Abbreviations and acronyms used in the safety data sheet: CSA = Chemical Safety Assessment.
M(ac) = M-factor acute toxicity.
M(chr) = M-factor chronic toxicity.
PBT = Persistent, Bioaccumulative and Toxic.
SCL = Specific Concentration Limit.
vPvB = very Persistent and very Bioaccumulative.

Additional information: Classification according to Regulation (EC) No. 1272/2008: Calculation method.

Wording of H-statements:

H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

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.
