

SAFETY DATA SHEET



Product name:	Gas oil	Page:	1/13
Supersedes date:	2022-12-21	Revision:	2023-05-02
Product No.:		SDS-ID:	EU-EN/4.0

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

1.1. Product identifier

Product name: Gas oil
Diesel B0 Off-road
Landbrugsdiesel
Fyringsolie
Fyringsolie DeLuxe
0,005% Marine
0,1% Marine

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

Identified use(s): Fuel for use in off-road diesel engines, boilers, gas turbines and other combustion equipment.

1.3. Details of the supplier of the safety data sheet

Supplier: Uno-X Mobility Danmark A/S
Buddingevej 195
2860 Søborg
produktteknik@unox.dk

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

1.4. Emergency telephone number

Emergency telephone: National Poison Control Centres are available in Member Countries.
24-hour emergency telephone in Denmark: Bispebjerg Hospital (poison line) +45 82 12 12 12

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SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

CLP: The product is classified: Carc. 2;H351

2.2. Label elements



Warning

Contains:

Fuels, diesel

H351

Suspected of causing cancer.

P201

Obtain special instructions before use.

P210

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P260

Do not breathe gas, fume, vapours or spray.

P271

Use only outdoors or in a well-ventilated area.

P273

Avoid release to the environment.

P280

Wear protective clothing, gloves, eye and face protection.

P304 + P340

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P308 + P313

IF exposed or concerned: Get medical advice/attention.

2.3. Other hazards

PBT/vPvB:

This product does not contain any PBT or vPvB substances.

Other:

In high concentrations, vapours and spray mists are narcotic and may cause headache, fatigue, dizziness and nausea.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

Gasoil and additive.

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CLP:

<u>%:</u>	<u>CAS-No.:</u>	<u>EC No.:</u>	<u>REACH Reg. No:</u>	<u>Chemical name:</u>	<u>Hazard classification:</u>	<u>Notes:</u>
	68334-30-5	269-822-7	-	Fuels, diesel	Carc. 2;H351	N

Notes: N: Not classified as a carcinogen if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen.

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.

Skin contact: Remove contaminated clothing and wash skin with soap and water. Then apply a fatty cream.

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: See section 11 for more detailed information on health effects and symptoms. Be aware that symptoms of lung oedema (shortness of breath) may develop up to 24 hours after exposure.

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

Medical attention/treatments: Treat symptomatically. If aspirated into lungs: Keep under medical review for possible development of chemical pneumonia. Be aware that symptoms of chemical pneumonia may occur several hours after exposure.

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SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media: Extinguish with foam, carbon dioxide, dry powder or water fog.
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: Remove the product from the fire hazard area. Close the supply, if it can be done without risk.
May ignite at high temperature. Vapours are heavier than air and may travel along the floor and in the bottom of containers.
If heated, volume and pressure increases strongly, resulting in explosion of container.
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. Fight advanced or massive fires from safe distance or protected location.
Use air-supplied respirator during fire fighting.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Warn everybody of potential hazards and evacuate if necessary. Remove all sources of ignition. Avoid inhalation of vapours and contact with skin and eyes.
Mark the spillage.

Emergency procedures: Large Spillages: Notify fire brigade.

6.2. Environmental precautions

Environmental precautions: Spillage close to water inlets: Notify persons concerned.
Spillage on roads, fields etc.: Close outlets, gutter etc.

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.
Absorb spillage with oil-absorbing material. Clean contaminated area with oil-removing material. Collect spillage in metal/plastic container with tight-fitting lid, with indication of the contents.

6.4. Reference to other sections

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

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SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Safe handling advice: Avoid inhalation of vapours and contact with skin and eyes.
Observe good chemical hygiene practices. Keep away from open flames. No smoking. Heated product can form flammable vapours. Vapours may be concentrated at floor level and low lying areas.

Technical measures: Ground container and transfer equipment to eliminate static electric sparks. 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.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures for safe storage: Ground container and transfer equipment to eliminate static electric sparks.
Container can pose a hazard even when emptied.

Large amounts and inventory should be stored in accordance with national regulation on storage of flammable liquids.

Storage conditions: Keep away from oxidising agents. Keep away from heat, sparks and open flame.

7.3. Specific end use(s)

Specific use(s): Not relevant.

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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. Provide access to washing facilities incl. soap, skin cleanser and fatty cream.

Personal protection: Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Respiratory equipment: In case of inadequate ventilation or risk of inhalation of oil mist, suitable respiratory equipment with combination filter (type A2/P3) can be used.

Hand protection: Wear protective gloves. Nitrile gloves are recommended. Be aware that the liquid may penetrate the gloves. Frequent change is advisable.
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 contact: Wear goggles/face shield.

Hygiene measures: 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. Do not store tobacco, food or beverage in work rooms or areas where the product is used.

Environmental Exposure Controls: Not available.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

<u>Physical state:</u>	Liquid.
<u>Colour:</u>	faint green-yellow
<u>Odour:</u>	Smell of paraffin
<u>Odour threshold:</u>	Not determined.
<u>pH:</u>	Neutral.
<u>Melting point / freezing point:</u>	Not available.
<u>Boiling point:</u>	150-390 °C
<u>Flash point:</u>	> 55 °C
<u>Evaporation rate:</u>	Not determined.
<u>Flammability (solid, gas):</u>	Not relevant.
<u>Explosion limits:</u>	1-6 % vol
<u>Vapour pressure:</u>	0,4 kPa (37,8 °C)
<u>Vapour density:</u>	Not available.
<u>Relative density:</u>	0,82 - 0,86 g/cm ³ (15°C)
<u>Solubility:</u>	Insoluble in water
<u>Partition coefficient (n-octanol/water):</u>	3-6
<u>Auto-ignition temperature (°C):</u>	220-300 °C
<u>Decomposition temperature (°C):</u>	Not available.
<u>Viscosity:</u>	< 6 mm ² /s (20°C)
<u>Explosive properties:</u>	Not available.
<u>Oxidising properties:</u>	Non-oxidizing

9.2. Other information

<u>Other data:</u>	Not known.
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SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity: None known.

10.2. Chemical stability

Stability: Stable under normal temperature conditions.

10.3. Possibility of hazardous reactions

Hazardous Reactions: None known.

10.4. Conditions to avoid

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

10.5. Incompatible materials

Incompatible materials: Strong oxidizing substances.

10.6. Hazardous decomposition products

Hazardous decomposition products: Does not decompose at normal temperatures.
Be aware that the combustion products will include carbon monoxide, nitrous gases, unburned hydrocarbons etc. which are toxic.

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SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

<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>	Suspected of causing cancer.
<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>	Based on available data, the classification criteria are not met.
<u>Inhalation:</u>	Long term exposure to high concentrations of oil mist can lead to structural and functional damage to the lungs. Vapours may irritate throat and respiratory system and cause coughing. In high concentrations, vapours are narcotic and may cause headache, fatigue, dizziness and nausea.
<u>Skin contact:</u>	Degreasing. Prolonged skin contact may cause redness, irritation and dry skin.
<u>Eye contact:</u>	Exposure to liquid or high concentrations of vapour can cause moderate to severe eye irritation. Effects are expected to be reversible.
<u>Ingestion:</u>	May irritate and cause malaise. Be aware that symptoms of chemical pneumonia may occur several hours after exposure.
<u>Endocrine disrupting properties:</u>	The product does not contain any substance identified as having endocrine disrupting properties.

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SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity: The product is toxic to aquatic organisms and may cause long term adverse effects in the aquatic environment.
The product is insoluble in water and will spread on the water surface.

12.2. Persistence and degradability

Degradability: The product is expected to be readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: Contain components with the potential to bioaccumulate.

12.4. Mobility in soil

Mobility: The product can penetrate soil reaching the ground water.

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

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

12.7. Other adverse effects

Other adverse effects: The product contains volatile, organic compounds which have a photochemical ozone creation potential.

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 07 01

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SECTION 14: TRANSPORT INFORMATION

14.1. UN number

UN-No: 1202

14.2. UN proper shipping name

Proper Shipping Name: GAS OIL

14.3. Transport hazard class(es)

Class: 3

14.4. Packing group

PG: III

14.5. Environmental hazards

Marine pollutant: No.

Environmentally Hazardous substance: Yes.

14.6. Special precautions for user

Special precautions: Ground container and transfer equipment to eliminate static electric sparks. Keep away from heat, sparks, flames and other sources of ignition (eg pilot lights, electric motors and static electricity).

ADR/RID: Fare nr.: 30 / Symbol: Brandfarlig væske
Tunnel restriction code: D/E

IMDG: EmS: F-E, S-E
MFAG: 311

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

Transport in bulk: Not relevant.

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SECTION 15: REGULATORY INFORMATION

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

Special provisions: As a general rule, persons under 18 years of age are not allowed to work with this product. Users must be carefully instructed in the proper work procedure, the dangerous properties of the product and the necessary safety instructions.

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 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.

Council Directive 94/33/EC of 22 June 1994 on the protection of young people 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: A chemical safety assessment has been carried out.

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SECTION 16: OTHER INFORMATION

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

For restrictions on use see section 15.

Replaces safety data sheet prepared: 21-12-2022

The following sections contain revisions or new statements: 1.

Abbreviations and acronyms

used in the safety data sheet: CSA = Chemical Safety Assessment.
PBT = Persistent, Bioaccumulative and Toxic.
vPvB = very Persistent and very Bioaccumulative.

Key literature references and sources for data: The following exposure scenarios are attached to this safety data sheet:
http://www.yx.dk/msds/gasolie_scenarier.pdf

Additional information:

Wording of H-statements:

H351	Suspected of causing cancer.
H373W	May cause damage to organs (thymus, liver, bone marrow) through prolonged or repeated exposure.

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.
