

SAFETY DATA SHEET



Product name: Gear Oil MB 235.10
Supersedes date: 2018-05-08
Product No.: I6257

Page: 1/11
Last revised date: 2019-12-13
SDS-ID: EU-EN/4.0

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

1.1. Product identifier

Product name: Gear Oil MB 235.10

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

Application: Gear oil.

1.3. Details of the supplier of the safety data sheet

Supplier: YX Smørelolie A/S
Buddingevej 195
DK-2860 Søborg
Tel:+45 7011 5678
teknik@yxlube.dk
yxlube.dk

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

1.4. Emergency telephone number

Emergency telephone: Poison Control Centers may be available in specific member countries.

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, but the following labelling must be applied:

Safety data sheet available on request.

2.3. Other hazards

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

Other: Prolonged or repeated contact with skin may cause redness, itching, irritation, eczema, skin cracking and oil acne. The harmful effects may increase in used oil. Degreasing to skin. Oil spills are generally hazardous to the environment.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures

The product contains: additives and mineral oil.

SAFETY DATA SHEET

Product name: Gear Oil MB 235.10 Page: 2/11
Supersedes date: 2018-05-08 Last revised date: 2019-12-13
Product No.: I6257 SDS-ID: EU-EN/4.0

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>
40-50	64742-54-7	265-157-1	01-2119484627-25	Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil-unspecified	Asp. Tox. 1;H304	L
10-20	64742-65-0	265-169-7	01-2119471299-27	Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil-unspecified	Asp. Tox. 1;H304	L
1-5	68783-96-0	272-213-9	-	Sulfonic acids, petroleum, calcium salts, overbased	Aquatic Chronic 4;H413	
<2,5	4259-15-8	224-235-5	01-2119493635-27	zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	Eye Dam. 1;H318 Aquatic Chronic 2;H411	SCL

Notes: L: DMSO < 3% (IP 346)
SCL: Specific Concentration Limit

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 into fresh air and keep at rest. In case of persistent throat irritation or coughing or after inhalation of oil mist: Seek medical attention and bring along these instructions.

Skin contact: Remove contaminated clothing immediately and wash skin with soap and water. In case of rashes, wounds or other skin disorders: Seek medical attention and bring along these instructions.

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 plenty of water. Keep person under observation. If person becomes uncomfortable seek hospital and bring these instructions. Rinse mouth with water. Do not induce vomiting. Get medical attention.

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.

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

Medical attention/treatments: Treat symptomatically, no specific antidote

SAFETY DATA SHEET

Product name:	Gear Oil MB 235.10	Page:	3/11
Supersedes date:	2018-05-08	Last revised date:	2019-12-13
Product No.:	I6257	SDS-ID:	EU-EN/4.0

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.
Small fires: Extinguish with carbon dioxide or dry powder. Larger fires: Extinguish with foam, carbon dioxide or dry powder.

5.2. Special hazards arising from the substance or mixture

Specific hazards: During fire, gases hazardous to health may be formed.

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: Avoid inhalation of oil mist and contact with skin and eyes. In case of spills, beware of slippery floors and surfaces. Follow precautions for safe handling described in this safety data sheet. Mark the spillage.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains, water courses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up: Absorb spillage with oil-absorbing material. Clean contaminated area with oil-removing material.
Large Spillages: Absorb in vermiculite, dry sand or earth and place into containers. Inform Authorities if large amounts are involved.

6.4. Reference to other sections

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

SAFETY DATA SHEET

Product name:	Gear Oil MB 235.10	Page:	4/11
Supersedes date:	2018-05-08	Last revised date:	2019-12-13
Product No.:	I6257	SDS-ID:	EU-EN/4.0

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Safe handling advice: Observe good chemical hygiene practices. Avoid prolonged and repeated contact with oil, particularly used oil. Always remove oil with soap and water or skin cleaning agent, never use organic solvents. Do not use oil-contaminated clothing or shoes, and do not put rags moistened with oil into pockets.

Technical measures: Use work methods which minimise oil mist production.

Technical precautions: When working with heated oil, mechanical ventilation may be required.

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.

7.3. Specific end use(s)

Specific use(s): Not relevant.

SAFETY DATA SHEET

Product name:	Gear Oil MB 235.10	Page:	5/11
Supersedes date:	2018-05-08	Last revised date:	2019-12-13
Product No.:	I6257	SDS-ID:	EU-EN/4.0

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.

DNEL/PNEC: Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil-unspecified:
DNEL long-term inhalative (local, workers): 5,4 mg/m³
DNEL long-term inhalative (local, consumers): 1,2 mg/m³
PNEC (Oral, secondary poisoning): 9,33 mg/kg (Food)

Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil-unspecified
DNEL long-term inhalative (local, workers): 5,4 mg/m³
DNEL long-term inhalative (local, consumers): 1,2 mg/m³
PNEC (Oral, secondary poisoning): 9,33 mg/kg (Food)

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. Other types of gloves can be recommended by the glove supplier.

Eye protection: Risk of splashes: Wear goggles/face shield.

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

Hygiene measures: Wash hands after contact. Wash contaminated clothing before reuse.

Environmental Exposure Controls: Not available.

SAFETY DATA SHEET

Product name: Gear Oil MB 235.10
Supersedes date: 2018-05-08
Product No.: I6257

Page: 6/11
Last revised date: 2019-12-13
SDS-ID: EU-EN/4.0

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance: Amber-coloured liquid

Odour: Characteristic.

Odour threshold: Not available.

pH: Not available.

Melting point / freezing point: Not available.

Boiling point: > 316°C

Flash point: > 150°C [ASTM D-92]

Evaporation rate: Not available.

Flammability (solid, gas): Not available.

Explosion limits: 0,9 vol% - 7 vol%

Vapour pressure: < 0,1 mmHg (20°C)

Vapour density: > 2 (101 kPa)

Relative density: 0,86

Solubility: Insoluble in water

Partition coefficient (n-octanol/water): > 3,5

Auto-ignition temperature (°C): Not available.

Decomposition temperature (°C): Not available.

Viscosity: 40 mm²/s (40 °C) [ASTM D 445]
7,3 mm²/s (100 °C) [ASTM D 445]

Explosive properties: None.

Oxidising properties: Not available.

9.2. Other information

Other data: DMSO < 3%
Pour point (°C): -45°C [ASTM D97]

SAFETY DATA SHEET

Product name:	Gear Oil MB 235.10	Page:	7/11
Supersedes date:	2018-05-08	Last revised date:	2019-12-13
Product No.:	16257	SDS-ID:	EU-EN/4.0

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

Reactivity: Not reactive.

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: Avoid exposure to high temperatures or direct sunlight. Heat, sparks, flames.

10.5. Incompatible materials

Incompatible materials: Strong oxidizing substances.

10.6. Hazardous decomposition products

Hazardous decomposition products: None in particular.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

The harmful effects may increase in used oil.

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 will irritate the respiratory system and provoke coughing.

Skin contact: Degreasing. Prolonged or frequent contact may cause redness, itching, irritation, eczema, skin cracking and oil acne.

Eye contact: Splashes may irritate.

Ingestion: May irritate and cause malaise.

Specific effects: Prolonged or repeated contact with used oil may cause serious skin diseases, such as dermatitis and skin cancer.

SAFETY DATA SHEET

Product name:	Gear Oil MB 235.10	Page:	8/11
Supersedes date:	2018-05-08	Last revised date:	2019-12-13
Product No.:	16257	SDS-ID:	EU-EN/4.0

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Ecotoxicity: The product is not miscible with water and will spread on the water surface. Oil spills are generally hazardous to the environment.

12.2. Persistence and degradability

Degradability: The product is expected to be slowly biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available on bioaccumulation.

12.4. Mobility in soil

Mobility: The product is non-volatile. The product adsorbs to soil particles.

12.5. Results of PBT and vPvB assessment

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

12.6. 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.

Waste from residues: EWC-code: 16 05 09

Contaminated packaging: Dispose of contaminated packings as residue. Eliminate the contaminated packaging in an approved collecting and recycling centre, according to local/national regulations.

SAFETY DATA SHEET

Product name:	Gear Oil MB 235.10	Page:	9/11
Supersedes date:	2018-05-08	Last revised date:	2019-12-13
Product No.:	I6257	SDS-ID:	EU-EN/4.0

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: 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:	Gear Oil MB 235.10	Page:	10/11
Supersedes date:	2018-05-08	Last revised date:	2019-12-13
Product No.:	I6257	SDS-ID:	EU-EN/4.0

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.

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:	Gear Oil MB 235.10	Page:	11/11
Supersedes date:	2018-05-08	Last revised date:	2019-12-13
Product No.:	I6257	SDS-ID:	EU-EN/4.0

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.

The following sections contain revisions or new statements: 1, 13.

Abbreviations and acronyms used in the safety data sheet: PBT = Persistent, Bioaccumulative and Toxic.
vPvB = very Persistent and very Bioaccumulative.
CSA= Chemical Safety Assessment.
DNEL = Derived No Effect Level.
PNEC = Predicted No Effect Concentration.

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.
H318	Causes serious eye damage.
H411	Toxic to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

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, Agerø Allé 5, DK-2970 Hørsholm, Denmark.
www.dhigroup.com.