Made in Germany

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 12.09.2022 Version number 3.00 (replaces version 2.00) Revision: 12.09.2022

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

1.1 Product identifier
Trade name: HM MOTORENÖL 10W-40 LL

1.2 Relevant identified uses of the substance or mixture and uses advised against
No further relevant information available.
Application of the substance / the mixture Motor Oil

1.3 Details of the supplier of the safety data sheet
Manufacturer/Supplier:
HM Mineralölhandelsgesellschaft mbH
Lange Straße 100-106
27318 Hoya
Tel. +49 (4251) 81251
products@hm-mineraloel.de
www.hm-mineraloel.de

Further information obtainable from: product management

1.4 Emergency telephone number: 24-hour emergency contact number : +1 872 5888271 (CSG)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008
The product is not classified, according to the CLP regulation.

2.2 Label elements
Labelling according to Regulation (EC) No 1272/2008 Void
Hazard pictograms Void
Signal word Void
Hazard statements Void
Additional information:
Safety data sheet available on request.

2.3 Other hazards
The product may form a film on the water surface which may prevent oxygen exchange.
See sections 11, 12 and 15.
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Mixtures
Description:
Chemical characterization
Mineral oil
Additive

Dangerous components:		
CAS: 64742-54-7 EINECS: 265-157-1 Reg.nr.: 01-2119484627-25	Distillates (petroleum), hydrotreated heavy paraffinic Asp. Tox. 1, H304	≥20–<25%
CAS: 72623-87-1 EINECS: 276-738-4 Reg.nr.: 01-2119474889-13	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based Asp. Tox. 1, H304	≥20–<25%
EC number: 701-251-5 Reg.nr.: 01-2119524004-56	Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased Aquatic Chronic 4, H413	≥1–<10%
CAS: 74499-35-7 EC number: 616-100-8	phenol, 2-dodecyl-, branched Repr. 1B, H360F; Skin Corr. 1, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=10)	≥0.01-<0.025%

(Contd. on page 2)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 12.09.2022 Version number 3.00 (replaces version 2.00) Revision: 12.09.2022

Trade name: HM MOTORENÖL 10W-40 LL

(Contd. of page 1)

Additional information:
The mixture includes the substance with the CAS 64742-54-7 or the substance with the CAS 72623-87-1. All concentrations are units of weight percent for liquids, and unit of volume percent for gaseous products. Other substances that are not classified to be hazardous, up to 100%. Complete text of hazard statements in chapter 16. Mixtures are not subject to registration. The registration numbers of the ingredients in this mixture (if present) have been listed in item 3.

SECTION 4: First aid measures

4.1 Description of first aid measures
General information:
In case of persistent symptoms consult doctor. Remove soiled or soaked clothing immediately, do not allow to dry. Never give anything by mouth to an unconscious person.
After inhalation: Supply fresh air; consult doctor in case of complaints.
After skin contact:
After contact with skin, wash immediately with plenty of water and soap. Consult a doctor if skin irritation persists. Remove contaminated clothing.
After eye contact:
Seek medical treatment.
Rinse opened eye for several minutes under running water.
After swallowing:
Do not induce vorniting.
Aspiration hazard.
Call a doctor immediately.
Information for doctor: First aider: Pay attention to self-protection!

4.2 Most important symptoms and effects, both acute and delayed
No further relevant information available.

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

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing agents:
Foam, Dry powder, Carbon dioxide, Water spray jet
Use fire extinguishing methods suitable to surrounding conditions.
For safety reasons unsuitable extinguishing agents: Water with full jet

5.2 Special hazards arising from the substance or mixture
In the event of fire the following can be released: Pyrolysis products; Hydrocarbons; Carbon dioxide (CO2); Carbon monoxide (CO); Hydrogen sulfide (H2S); Nitrogen oxides (NOx); Phosphorus oxides; Smoke.

5.3 Advice for firefighters
Protective equipment:
In case combustion use a suitable breathing apparatus.Wear full protective suit. Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Ensure adequate ventilation. Exclude sources of ignition and ventilate the area. Avoid contact with skin, eyes and clothing. High risk of slipping due to leakage/spillage of product. Avoid breathing vapours.

6.2 Environmental precautions:
Do not allow to enter sewers/ surface or ground water.
Prevent from spreading (e.g. by damming-in or oil barriers).

6.3 Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

(Contd. on page 3)

(Contd. of page 2)

6.4 Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Avoid formation of oil dust. Hot product develops flammable vapours. Handle and open container with care. Avoid skin and eye contact.
Information about fire - and explosion protection:
Keep away from sources of heat and ignition. Do not smoke. Take precautionary measures against static discharge.

7.2 Conditions for safe storage, including any incompatibilities
Storage:
Requirements to be met by storerooms and receptacles: Store only in the original receptacle.
Information about storage in one common storage facility: Keep away from flammable substances.
Further information about storage conditions:
Keep container tightly sealed.
Store in a cool place.
Store in dry conditions.
Value: <50 °C
Storage class: 10
7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters
Ingredients with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
Additional information: The safety data sheet of the pre-supplier served as the basis for the creation.

8.2 Exposure controls
Technical measures for preventing exposition. Organisational measures for preventing exposition. Provide adequate ventilation. The type of personal protective equipment must be selected depending on the concentration and quantity of the hazardous substance at the workplace.
Appropriate engineering controls No further data; see item 7.
Individual protection measures, such as personal protective equipment
General protective and hygienic measures:
Observe the usual precautions for handling chemicals. Store work clothing separately. Wash hands before breaks and after work. Cloths contaminated with product should not be kept in trouser pockets. Do not eat, drink or smoke during work time.
Respiratory protection:
Not necessary, but do not inhale vapours. In situations where misting or flying may occur use appropriate certified respirators. Short term: filter apparatus, Filter A/P2.
Hand protection

Protective gloves

Protective gloves according to EN 374.
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

(Contd. on page 4)

(Contd. of page 3)

Material of gloves
Nitrile
Recommended thickness of the material: ≥ 0.33 mm
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
Penetration time of glove material
>480min
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
Eye/face protection

Tightly sealed goggles

Body protection:
Clothing as usual in the chemical industry.
Chemical resistant safety shoes.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information	
Physical state	Fluid
Colour:	Brown
Odour:	Characteristic
Odour threshold:	Not determined.
Melting point/freezing point:	-39 °C (Pourpoint (DIN/ISO 3016))
Boiling point or initial boiling point and boiling range	>320 °C
Flammability	Not applicable.
Lower and upper explosion limit	
Lower:	0.6 Vol %
Upper:	6.5 Vol %
Flash point:	≥220 °C (DIN ISO 2592)
Decomposition temperature:	Not determined.
pH	Not determined.
Viscosity:	
Kinematic viscosity at 40 °C	91.9 mm²/s
Dynamic:	Not determined.
Solubility	
water:	Insoluble.
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure:	Not determined.
Density and/or relative density	
Density at 15 °C:	0.863–0.873 g/cm³
Relative density	Not determined.
Vapour density	Not determined.

9.2 Other information

Appearance:	
Form:	Fluid
Important information on protection of health and environment, and on safety.	
Auto-ignition temperature:	Not determined.
Explosive properties:	Not determined.

(Contd. on page 5)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 12.09.2022 Version number 3.00 (replaces version 2.00) Revision: 12.09.2022

Trade name: HM MOTORENÖL 10W-40 LL

(Contd. of page 4)

Change in condition	
Evaporation rate	Not determined.
Information with regard to physical hazard classes	
Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

SECTION 10: Stability and reactivity

10.1 Reactivity No hazardous reactions when stored and handled according to prescribed instructions.
10.2 Chemical stability
Thermal decomposition / conditions to be avoided:
Stable under recommended storage and handling conditions.
10.3 Possibility of hazardous reactions
Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomised.
10.4 Conditions to avoid Oxidising agents.
10.5 Incompatible materials: No further relevant information available.
10.6 Hazardous decomposition products: Refer to section 5.3

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
Acute toxicity 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.
11.2 Information on other hazards

Endocrine disrupting properties
None of the ingredients is listed.

(Contd. on page 6)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 12.09.2022 Version number 3.00 (replaces version 2.00) Revision: 12.09.2022

Trade name: HM MOTORENÖL 10W-40 LL

(Contd. of page 5)

SECTION 12: Ecological information

12.1 Toxicity
Aquatic toxicity:
There are no data available on the mixture itself.The mixture has been assessed following the summation method of the CLP Regulation (EC) No 1272/2008 and is not classified as dangerous for the environment.
12.2 Persistence and degradability
The product is not readily biodegradable according to OECD criteria but is inherently biodegradable.
12.3 Bioaccumulative potential No further relevant information available.
12.4 Mobility in soil No further relevant information available.
12.5 Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.
12.6 Endocrine disrupting properties
The product does not contain substances with endocrine disrupting properties.
12.7 Other adverse effects Do not discharge product unmonitored into the enviroment.
Additional ecological information:
General notes:
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

13.1 Waste treatment methods
Recommendation Dispose of waste according to applicable legislation.

European waste catalogue	
13 02 05*	mineral-based non-chlorinated engine, gear and lubricating oils

Uncleaned packaging:
Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN number or ID number **ADR, IMDG, IATA**	not regulated
14.2 UN proper shipping name **ADR, IMDG, IATA**	not regulated
14.3 Transport hazard class(es) **ADR, ADN, IMDG, IATA** **Class**	not regulated
14.4 Packing group **ADR, IMDG, IATA**	not regulated
14.5 Environmental hazards:	Not applicable.
14.6 Special precautions for user	Not applicable.
14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
UN "Model Regulation":	not regulated

(Contd. on page 7)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 12.09.2022 Version number 3.00 (replaces version 2.00) Revision: 12.09.2022

Trade name: HM MOTORENÖL 10W-40 LL

(Contd. of page 6)

SECTION 15: Regulatory information

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

Labelling according to Regulation (EC) No 1272/2008 Void
Hazard pictograms Void
Signal word Void
Hazard statements Void

Directive 2012/18/EU
Named dangerous substances - ANNEX I None of the ingredients is listed.

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II
None of the ingredients is listed.

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))
None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS
None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors
None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors
None of the ingredients is listed.

National regulations:

Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

Other regulations, limitations and prohibitive regulations

Substances of very high concern (SVHC) according to REACH, Article 57	
CAS: 74499-35-7	phenol, 2-dodecyl-, branched

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases
H304 May be fatal if swallowed and enters airways.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H360F May damage fertility.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H413 May cause long lasting harmful effects to aquatic life.

Department issuing SDS: product management
Contact: product management
Date of previous version: 12.09.2022
Version number of previous version: 2.00
Abbreviations and acronyms:
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances

(Contd. on page 8)

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 12.09.2022 Version number 3.00 (replaces version 2.00) Revision: 12.09.2022

Trade name: HM MOTORENÖL 10W-40 LL

(Contd. of page 7)

CAS: Chemical Abstracts Service (division of the American Chemical Society)
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
Skin Corr. 1: Skin corrosion/irritation – Category 1
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Repr. 1B: Reproductive toxicity – Category 1B
Asp. Tox. 1: Aspiration hazard – Category 1
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4
Sources The safety data sheet of the pre-supplier served as the basis for the creation.