

Safety data sheet according to Regulation (EC) No 1907/2006, Article 31

Printing date 26.09.2025

Version number 4.00 (replaces version 3.00)

Revision: 26.09.2025

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

1.1 Product identifier

Trade name: **CLASSIC MEDUNA UM 20W-50 SHPD**

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:

CLASSIC Schmierstoff GmbH & Co. KG

Lange Straße 100-106

D-27318 HOYA

GERMANY

Phone: +49 (4251) - 8120

products@classic-oil.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:

Contains: Benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl derivs., Calcium salts, Alkyl (C18-C28) toluenesulfonic acid, calcium salts, borated. May produce an allergic reaction.

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.

Determination of endocrine-disrupting properties

This product does not contain substances with endocrine disrupting properties in a concentration of $\geq 0.1\%$.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 722503-68-6 EC number: 682-816-2 Reg.nr.: ausgenommen/excepted	Benzenesulfonic acid, methyl-, mono-C20-24-branched alkyl derivs., Calcium salts ----- ⚠ Skin Sens. 1B, H317 Specific concentration limit: Skin Sens. 1B; H317: C $\geq 2.01\%$	<1%
EC number: 953-650-0 Reg.nr.: ausgenommen/excepted	Alkyl (C18-C28) toluenesulfonic acid, calcium salts, borated ----- ⚠ Repr. 2, H361d; ⚠ Skin Sens. 1B, H317 Specific concentration limits: Skin Sens. 1B; H317: C $\geq 2.01\%$ Repr. 2; H361d: C $\geq 17.15\%$	<1%

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Additional information:

The mineral oils in the product contain < 3% DMSO extract (IP 346).
Mixtures are not subject to registration. The registration numbers of the ingredients of this mixture (if available) have been given under point 3.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

In all cases of doubt or if symptoms are present, seek medical advice.
Never give anything by mouth to an unconscious person or if convulsions occur.
First aiders: Pay attention to self-protection!

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:

Rinse opened eye for several minutes under running water. Then consult a doctor.
Remove any existing contact lenses if possible.
Call a doctor immediately.

After swallowing:

Do not induce vomiting; call for medical help immediately.
Aspiration hazard.

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

No further relevant information available.
Symptomatic treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents: Foam, Dry powder, Carbon dioxide, Water spray jet

For safety reasons unsuitable extinguishing agents: Water with full jet

5.2 Special hazards arising from the substance or mixture

The formation of combustible vapours is possible at temperatures above: Flash point.

In the event of fire, the following can be produced:

Hydrocarbons, pyrolysis products, toxic, carbon dioxide (CO₂), carbon monoxide, hydrogen sulphide (H₂S), nitrogen oxides (NO_x), phosphorus oxides.

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.

Additional information

Use water spray jet to protect personnel and to cool endangered containers.
Collect contaminated fire fighting water separately. It must not enter the sewage system.
B: Burning liquid or melting substances.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure sufficient ventilation. Keep away from sources of ignition and ventilate the room well. Avoid contact with skin, eyes and clothing. Special slip hazard due to leaked/spilled product.
Avoid inhalation of vapours. Do not smoke.

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6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course.
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).
Dispose of the material collected according to regulations.

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 oil mist formation
Keep away from heat, hot surfaces, sparks, open flames and other sources of ignition. Do not smoke.
Open and handle container with care.

Information about fire - and explosion protection: Protect against electrostatic charges.

Handling:

Information on general hygiene measures at the workplace:
Avoid contact with skin, eyes and clothing. Do not carry product-soaked cleaning cloths in your trouser pockets. Remove soiled, soaked clothing immediately. Wash hands before breaks and at the end of work. Do not eat, drink or smoke while working. Store work clothes separately.
The formation of flammable vapours is possible at temperatures above: Flash point

7.2 Conditions for safe storage, including any incompatibilities**Storage:****Requirements to be met by storerooms and receptacles:**

Keep container tightly closed in a dry, cool and well-ventilated place.
Store only in the original receptacle.

Information about storage in one common storage facility: Store away from oxidising agents.

Further information about storage conditions: Storage temperature: <50°C

Storage class: 10

7.3 Specific end use(s) Observe the technical data sheet

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 data sheets of the upstream suppliers and lists valid at the time of production serve as a basis.

8.2 Exposure controls Ensure adequate ventilation and point extraction at critical points.

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 if room is well-ventilated.

Fog generation/formation: Filter unit with filter or fan filter unit type:A2 P2

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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

Preventive skin protection by use of skin-protecting agents is recommended.

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

EN 166

Body protection:

The type of personal protective equipment must be selected according to the concentration and quantity of the hazardous substance at the workplace. Body protection (in addition to the usual work clothing) is required to protect against direct skin contact.

Chemical resistant safety shoes.

Environmental exposure controls

Technical measures to prevent exposure

Organisational measures to prevent exposure

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Physical state

Liquid

Colour:

Yellow-brown

Odour:

Characteristic

Odour threshold:

Not determined.

Melting point/freezing point:

Undetermined.

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:

>210 °C (DIN ISO 2592)

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Decomposition temperature:	Not determined.
pH	Not determined.
Viscosity:	
Kinematic viscosity at 40 °C	142 mm ² /s (ASTM D7279)
Dynamic:	Not determined.
Solubility	
water:	Not miscible or difficult to mix.
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure:	Not determined.
Density and/or relative density	
Density at 15 °C:	0.845-0.885 g/cm ³ (DIN EN ISO 12185)
Relative density	Not determined.
Vapour density	Not determined.
Particle characteristics	Does not apply to liquids.

9.2 Other information

Appearance:	
Form:	Fluid
Important information on protection of health and environment, and on safety.	
Ignition temperature:	Not determined.
Explosive properties:	Not determined.
Change in condition	
Drip point:	
Pour point	-33 °C (ASTM D7346)
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

The formation of combustible vapors is possible at temperatures above the flashpoint

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10.4 Conditions to avoid Oxidizer, strong

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: Refer to section 5.2.

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.

Primary irritant effect:

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.

Contains benzene sulfonic acid, methyl, mono-C20-24 branched alkyl derivatives, calcium salts, alkyl (C18-C28) toluene sulfonic acid, calcium salts, borated. May cause allergic reactions.

Frequently or prolonged contact with skin may cause dermal irritation.

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.

Other information (about experimental toxicology):

Specific effects in animal experiments: No data available for the preparation/mixture.

Additional toxicological information:

Oral	ATE	>2,000 mg/kg (Calculated)
Dermal	ATE	>2,000 mg/kg (Calculated)
Inhalative	ATE Dust/Mist	>5 mg/L (Calculated)
	ATE	>20 mg/l (Calculated) Steam

11.2 Information on other hazards

Endocrine disrupting properties

This product does not contain any substance (> 0.1%) with endocrine disrupting properties towards non-target organisms, as no ingredient fulfils the criteria.

Other information

No data available for the mixture.

Reference to other sections: 2, 3

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity: There are no data available for the preparation/mixture.

12.2 Persistence and degradability

There are no data for the preparation/mixture itself.

Not readily biodegradable (according to OECD criteria). Data refer to the main component.

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

The product does not contain substances meeting the criteria for PBT or vPvB in accordance with Annex XIII, Regulation (EC) No 1907/2006 (REACH), as amended.

PBT: Not applicable.

vPvB: Not applicable.

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12.6 Endocrine disrupting properties

This product does not contain any substance that exhibits endocrine disrupting properties towards non-target organisms, as no ingredient fulfils the criteria.

The above statement applies to the substances contained in the product from 0.1 %.

12.7 Other adverse effects

Additional ecological information:

General notes:

The product may not be released into the environment without control.

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation

The product that has become waste must be disposed of in accordance with the statutory provisions applicable to waste oil; in particular, the highest possible quality of recycling must be sought.

Waste disposal key:

The assignment of waste code numbers/waste designations must be carried out in accordance with the EWC in a sector- and process-specific manner.

European waste catalogue

13 02 05*	mineral-based non-chlorinated engine, gear and lubricating oils
15 01 10*	packaging containing residues of or contaminated by hazardous substances

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:

ENVIRONMENTALLY HAZARDOUS: no

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

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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.

Seveso category This product is not controlled under the Seveso Directive.

REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 75

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 2 (Self-assessment): hazardous for water.

Other regulations, limitations and prohibitive regulations

The national legal regulations must also be observed!

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

H317 May cause an allergic skin reaction.

H361d Suspected of damaging the unborn child.

Department issuing SDS: product management

Contact: product management

Date of previous version: 21.03.2024

Version number of previous version: 3.00

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

CAS: Chemical Abstracts Service (division of the American Chemical Society)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

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Skin Sens. 1B: Skin sensitisation – Category 1B
Repr. 2: Reproductive toxicity – Category 2

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Sources The safety data sheet of the pre-supplier served as the basis for the creation.

* **Data compared to the previous version altered.**

EU