

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

Printing date 17.08.2026

Version number 7.00 (replaces version 6.00)

Revision: 17.08.2026

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 Lubricant

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:

EUH210 Safety data sheet available on request.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable

vPvB: Not applicable

Determination of endocrine-disrupting properties No ingredient is listed.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 68649-42-3	Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts	0-<1.37%
EINECS: 272-028-3	⚠ Aquatic Acute 1, H400; ⚠ Eye Irrit. 2, H319; Aquatic Chronic 3, H412	
Reg.nr.: 01-2120742271-64		
01-2120834163-62		

Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

In case of accident or if you feel unwell, seek medical advice immediately (if possible, show operating instructions or safety data sheet). Remove the casualty from the danger zone. Remove soiled, Remove contaminated, soaked clothing. If unconscious and not breathing, place in recovery position and seek medical advice. Do not leave the victim unattended.

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact: Consult a doctor in case of complaints.

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After eye contact:

Rinse opened eye for several minutes under running water.

Seek medical treatment.

After swallowing:

Rinse mouth thoroughly with water. Consult a doctor if symptoms occur. Rinse out mouth. If you feel unwell, seek medical advice/attention. Drink 1 glass of water in small sips (diluting effect).

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.

Observe risk of aspiration if vomiting occurs.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

Use water spray to protect persons and to cool containers in the danger zone

Water spray, alcohol-resistant foam, extinguishing powder, carbon dioxide (CO₂)

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

During heating or in case of fire poisonous gases are produced.

Formation of flammable vapours is possible at temperatures above: Flash point Flammable

Hazardous combustion products

Carbon monoxide (CO), Carbon dioxide (CO₂), Nitrogen oxides (NO_x)

5.3 Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Protective equipment:

In case of combustion use a suitable breathing apparatus. Wear full protective suit.

Wear self-contained respiratory protective device.

Additional information

Do not inhale explosion and combustion gases. Move undamaged containers from immediate hazard area if it can be done safely. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective clothing.

Particular danger of slipping on leaked/spilled product.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Remove persons from danger area.

For emergency responders Personal protection

6.2 Environmental precautions:

Do not allow to enter into soil/subsoil. Prevent spread over a wide area (e.g. by containment or oil barriers). In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities. Do not allow to enter into surface water or drains.

6.3 Methods and material for containment and cleaning up:

For containment:

Suitable material for taking up: Sand, Kieselguhr, Universal binder, Chemical binding agents, containing acids.

For cleaning up:

Remove from the water surface (e.g. skimming, sucking). Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

Dispose of the material collected according to regulations.

Clean up spills immediately. Use suitable container to avoid contamination of the environment.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

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See Section 13 for disposal information.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Avoid oil mist. Do not put any product-impregnated cleaning rags into your trouser pockets. Wear personal protection equipment.

Information about fire - and explosion protection:

No special measures required.

Protect against electrostatic charges.

Keep ignition sources away - Do not smoke.

Handling:

Minimum standards for protective measures when handling working substances are listed in TRGS 500.

Do not eat, drink, smoke or snuff at the workplace.

Avoid contact with skin, eyes and clothing.

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.

Suitable container/equipment material: Floors should be impervious, resistant to liquids and easy to clean.

Shafts and sewers must be protected from entry of the product. Keep/Store only in original container.

Information about storage in one common storage facility: Not required

Further information about storage conditions: Store in a cool dry place. Keep away from heat.

Storage class: 10 (TRGS 510)

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.

DNELs

CAS: 101316-69-2 Lubricating oils (petroleum), C>25, solvent-extd., deasphalted, dewaxed, hydrogenated

Dermal	DNEL, long-term, dermal, systemic	0.97 mg/kg KG/d (worker)
Inhalative	DNEL, long-term, inhalation, systemic	2.73 mg/m ³ (worker)
	long-term, inhalative, local	5.58 mg/m ³ (worker)

PNECs

CAS: 64741-88-4 Distillates (petroleum), solvent-refined heavy paraffinic

PNEC 9.33 mg/Kg (Secondary poisoning)

Additional information:

Mineral oil mist, limit values: US-OSHA PEL - value 5 mg/m³, ACGIH-STEL - value 10 mg/m³

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

8.2 Exposure controls

Appropriate engineering controls No further data; see section 7.

Individual protection measures, such as personal protective equipment

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection: Usually no personal respirative protection necessary.

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Hand protection

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Protective gloves

Wear chemical 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

Material of gloves

Suitable material: NBR (nitrile rubber), PVC (polyvinyl chloride), CR (polychloroprene, chloroprene rubber)

Recommended material thickness: >0.4 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

During transfer: Eye glasses with side protection

Wear eye/face protection. DIN EN 166.

Body protection: Protective work clothing

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Physical state

Liquid

Colour:

Yellow-brown

Odour:

Not determined

Odour threshold:

Not determined

Melting point/freezing point:

-33 °C

Boiling point or initial boiling point and boiling range

Undetermined

Flammability

Not applicable

Lower and upper explosion limit

Lower:

Not determined

Upper:

Not determined

Flash point:

242 °C

Decomposition temperature:

Not determined

pH

Not determined

Viscosity:

Kinematic viscosity at 40 °C

163 mm²/s

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:

0.881 g/cm³

Relative density

Not determined

Vapour density

Not determined

Particle characteristics

Does not apply to liquids.

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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
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 known hazardous reactions. Combustible.

10.2 Chemical stability

Thermal decomposition / conditions to be avoided:

The mixture is chemically stable under recommended conditions of storage, use and temperature.

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid Do not overheat to avoid decomposition by heat.

10.5 Incompatible materials: Materials to avoid: Acid, Oxidising agent, Reducing agent.

10.6 Hazardous decomposition products:

Hazardous combustion products: Carbon dioxide, Carbon monoxide, Nitrogen oxides (NOx) Gases/ vapours, toxic

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.

LD/LC50 values relevant for classification:

CAS: 68649-42-3 Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts

Oral LD50 oral >2,154–<3,100 mg/kg (Rat)

Dermal LD50 dermal >6,965 mg/kg (rabbit)

Inhalative LC50/4h >5,000 mg/l (Mouse)

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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.

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.

SECTION 12: Ecological information
12.1 Toxicity
Aquatic toxicity: No further relevant information available.

12.2 Persistence and degradability No further relevant information available.

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
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.

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

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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

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 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:
Breakdown regulations:

This product is not subject to the German Hazardous Incident Ordinance.

for substances contained in the product:

E1 Hazardous to the Aquatic Environment in Category Acute 1 or Chronic 1

Technical instructions (air):
Class Share in % For Germany: To be noted: 5.2.5

Waterhazard class:

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

(according to AwSV, Germany)

Other regulations, limitations and prohibitive regulations

For Germany:

Technical rules for hazardous substances

TRGS 510

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.

For Germany:

Regulations of the German Social Accident Insurance Institutions (DGUV regulations):

Information from the Employer's Liability Insurance Association (DGUV Information) 868

Rules of the Employer's Liability Insurance Association (DGUV Rules) 189, 190, 192, 195

For Germany:

Altöl-Verordnung (AltöIV)

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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

H319 Causes serious eye irritation.

H400 Very toxic to aquatic life.

H412 Harmful to aquatic life with long lasting effects.

Department issuing SDS: product management

Version number of previous version: 6.00

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)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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