

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

Printing date 27.06.2025

Version number 1.00

Revision: 15.05.2024

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

1.1 Product identifier

Trade name: **CLASSIC MEDUNA PV 0W-20 P**

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

DEUTSCHLAND

Telephone: +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: Molybdenum polysulphide long chain alkyl dithiocarbamate complex, N,N-bis(2-ethylhexyl)-((1,2,4-triazol-1-yl)methyl)amine, C14-16-18 Alkylphenol. May produce an allergic reaction.

Safety data sheet available on request.

2.3 Other hazards Contains no PBT/vPvB substances $\geq 0.1\%$, assessed according to REACH Annex XIII.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Determination of endocrine-disrupting properties

The mixture does not contain substances listed for endocrine disrupting properties in accordance with REACH Article 59(1) or has been determined not to contain substances with endocrine disrupting properties in a concentration equal to or greater than 0.1% in accordance with the criteria set out in Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

CAS: 157707-86-3 NLP: 500-393-3 Reg.nr.: 01-2119493949-12	1-decene, trimer, hydrogenated ⚠ Asp. Tox. 1, H304	1-9.99%
ELINCS: 457-320-2 Reg.nr.: 01-0000019337-66	Molybdenum polysulphide long chain alkyl dithiocarbamate complex ⚠ Skin Irrit. 2, H315; ⚠ Skin Sens. 1, H317; ⚠ Aquatic Chronic 3, H412	0.1-0.99%
CAS: 91273-04-0 ELINCS: 401-280-0	N,N-bis(2-ethylhexyl)-((1,2,4-triazol-1-yl)methyl)amine ⚠ Skin Corr. 1B, H314; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Sens. 1, H317	0.1-0.24%

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CAS: 1190625-94-5

EC number: 931-468-2

Reg.nr.: 01-2119498288-19

C14-16-18 Alkylphenol

⚠ STOT RE 2, H373; ⚠ Skin Sens. 1, H317

0.1-0.24%

Additional information:

The mineral oils in the product contain < 3% DMSO extract (IP 346).

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

SECTION 4: First aid measures

4.1 Description of first aid measures

After inhalation: No first aid measures expected.

After skin contact: Wash with soap and water.

After eye contact: In case of eye contact, immediately rinse with clean water for 10-15 minutes.

After swallowing:

Rinse mouth thoroughly

Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed

Does not pose a significant hazard under normal conditions of use.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents: Water fog. Foam. Powder. Dry chemical product.

For safety reasons unsuitable extinguishing agents: Do not use a heavy water stream.

5.2 Special hazards arising from the substance or mixture No further relevant information available.

5.3 Advice for firefighters

Protective equipment:

Exercise caution when fighting any chemical fire.

Use water spray or fog for cooling exposed containers.

Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear suitable protective clothing and gloves.

For emergency responders Wear suitable protective gloves and clothing during work.

6.2 Environmental precautions:

Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3 Methods and material for containment and cleaning up:

For containment: Impound and recover large spill by mixing it with inert granular solids.

Methods for cleaning up: Detergent. Take up liquid spill into absorbent material sand, saw dust, kieselguhr.

Other information: Spill area may be slippery. Use suitable disposal containers.

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.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Precautions for safe handling: Avoid all unnecessary exposure. Both local exhaust and general room ventilation are usually required.

Handling temperature: < 40 °C

Hygiene measures: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

Information about fire - and explosion protection: No special measures required.

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.

Storage temperature: < 40 °C

Information about storage in one common storage facility: Not required.

Further information about storage conditions: Keep in a cool, well-ventilated place.

Storage class: 10-13

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:

Oil vapors and oil mist

Long-term value 5mg/m³

Short-term value 10mg/m³

DNELs No DNELs are available.

PNECs No PNECs values are available.

Additional information: The safety data sheet of the pre-supplier served as the basis for the creation.

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: Wash hands before breaks and at the end of work.

Respiratory protection:

No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation.

Use suitable respiratory protective device in case of insufficient ventilation.

Hand protection

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

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

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 Goggles recommended during refilling

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Body protection: No special clothing is recommended under normal conditions of intended use.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Physical state	Liquid
Colour:	Brown
Odour:	Not determined
Odour threshold:	Not determined.
Melting point/freezing point:	Undetermined.
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:	>220 °C (ASTM D92)
Decomposition temperature:	Not determined.
pH	Not determined.
Viscosity:	
Kinematic viscosity at 40 °C	43.5 mm ² /s (ASTM D445)
Dynamic:	Not determined.
Solubility	
water:	Not determined.
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure:	Not determined.
Density and/or relative density	
Density at 15 °C:	0.845 g/cm ³ (ASTM D4052)
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	
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

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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: No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions

No hazardous reactions are expected if handled and stored according to instructions.

10.4 Conditions to avoid No further relevant information available.

10.5 Incompatible materials: Strong oxidising agents. Acids. Alkalis.

10.6 Hazardous decomposition products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (Oral) : Not classified

Acute toxicity (Dermal) : Not classified

Acute toxicity (inhalation) : Not classified

Acute toxicity Based on available data, the classification criteria are not met.

LD/LC50 values relevant for classification:

CAS: 157707-86-3 1-decene, trimer, hydrogenated

Oral	LD50 oral	>5,000 mg/kg (Rat)
Dermal	LD50 dermal	>2,000 mg/kg (Rat)
Inhalative	LC50 Acute inhalation toxicity (dust/mist):	5.2 mg/l (Rat)

Molybdenum polysulphide long chain alkyl dithiocarbamate complex

Oral	LD50 oral	>2,000 mg/kg (Rat) (OECD 425)
Dermal	LD50 dermal	>2,000 mg/kg (Rat) (OECD Guideline 402)

CAS: 91273-04-0 N,N-bis(2-ethylhexyl)-((1,2,4-triazol-1-yl)methyl)amine

Oral	LD50 oral	>2,000 mg/kg (Rat)
Dermal	LD50 dermal	>2,000 mg/kg (Rat)

Primary irritant effect:

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

Molybdenum polysulphide long chain alkyl dithiocarbamate complex

Corrosivity	/(4h) (rabbit) (OECD 404)
	skin
	Causes skin irritation)

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.

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Molybdenum polysulphide long chain alkyl dithiocarbamate complex

Dermal	Sensitization	(Guinea pig) Respiratory/skin sensitization OPPTS 870.2600, Causes sensitization
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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.

Additional toxicological information:

Molybdenum polysulphide long chain alkyl dithiocarbamate complex

Dermal	NOAEL	670 mg/kg /(90d) (Rat) (OECD Guideline 410)
	NOAEL	1,000 mg/kg(bw)/d /(90d) (Rat) (OECD Guideline 407) oral

11.2 Information on other hazards

Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

12.1 Toxicity

Hazardous to the aquatic environment, short-term (acute): Not classified

Hazardous to the aquatic environment, long-term (chronic): Not classified

Not rapidly degradable

Aquatic toxicity:

CAS: 157707-86-3 1-decene, trimer, hydrogenated

NOEC (acute)	125 mg/l /(21d)
NOEC chronic algae	>1,000 mg/l /(3h) (algae)
EC50	>125 mg/l /(21d) (algae)
EC50 72h algae 1	>1,000 mg/l /(2d) (algae)
LC50	>1,000 mg/L /(3h) (Other aquatic organisms [1]) >1,000 mg/L (Fish)

Molybdenum polysulphide long chain alkyl dithiocarbamate complex

NOEC (acute)	94.8 mg/l /(96h) (Oncorhynchus mykiss) (OECD 203)
NOEC chronic algae	4.05 mg/l (algae)
NOEC chronic	100 mg/l /(21d) (Daphnia magna) ((OECD Guideline 211))
EC50	50 mg/L (Daphnia magna) (OECD 202)
EC50 72h algae 1	14 mg/l (Pseudokirchnerella subcapitata) (OECD 201)
LC50	>670 mg/L (F2) (OECD 203) >94.8 mg/L (Oncorhynchus mykiss) (OECD 203)

CAS: 1190625-94-5 C14-16-18 Alkylphenol

ErC50	>100 mg/l /(3d) (Pseudokirchnerella subcapitata) (OECD 201)
EC50	>100 mg/l /(2d) (crustaceans) (OECD 202)
LC50	>100 mg/L /(4d) (Fish) (OECD 203)

12.2 Persistence and degradability

Not rapidly degradable.

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CAS: 157707-86-3 1-decene, trimer, hydrogenated	
Persistence and degradability	2 % / (28d) Quickly degradable
Molybdenum polysulphide long chain alkyl dithiocarbamate complex	
Biological degradation	23 % / (29d) (OECD 301B)
Persistence and degradability	Not easily biodegradable.
CAS: 91273-04-0 N,N-bis(2-ethylhexyl)-((1,2,4-triazol-1-yl)methyl)amine	
Persistence and degradability	Quickly degradable
CAS: 1190625-94-5 C14-16-18 Alkylphenol	
Biological degradation	6 % / 28 d (OECD 301B / ISO 9439 / EWG 92/69 Anhang V,C.4-C)
Persistence and degradability	Quickly degradable

12.3 Bioaccumulative potential

CAS: 157707-86-3 1-decene, trimer, hydrogenated	
Partition coefficient n-octanol/water (Log Kow)	>6.5
Molybdenum polysulphide long chain alkyl dithiocarbamate complex	
Bioconcentration factor (BCF REACH)	88 / 25°C (Cyprinus carpio) (Cyprinus carpio - @25°C - 0.05mg/l)
BCF - Fish [1]	/25°C (Cyprinus carpio) (OECD 305)

12.4 Mobility in soil

Adsorbed on the floor, after release

Molybdenum polysulphide long chain alkyl dithiocarbamate complex	
Ecology - soil	Adsorbed on the ground after emission.

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.

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

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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

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:

Information about limitation of use:

Germany:

Observe restrictions according to the Youth Employment Protection Act (JArbSchG)

Germany:

Observe restrictions according to the Maternity Protection Act (MuSchG)

Breakdown regulations:

(Germany)

Not subject to the 12th BImSchV (Federal Immission Control Ordinance) (Major Accidents Ordinance)

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

Other regulations, limitations and prohibitive regulations

Netherlands

SZW-lijst van kankerverwekkende stoffen :	None of the ingredients is listed
SZW-lijst van mutagene stoffen :	None of the ingredients is listed.
SZW-lijst van reprotoxische stoffen - Borstvoeding :	None of the ingredients is listed.
SZW-lijst van reprotoxische stoffen -Vruchtbaarheid :	None of the ingredients is listed.
SZW-lijst van reprotoxische stoffen - Ontwikkeling :	None of the ingredients is listed.

Denmark

Danish national regulations:

The requirements of the Danish Working Environment Authorities must be followed regarding working with carcinogens during use and disposal

Danish national regulations:

Pregnant/breastfeeding women working with the substance must not come into direct contact with it.

Switzerland

Storage class (LK): LK 10/12 - Liquid substances

Substances of very high concern (SVHC) according to REACH, Article 57

None of the ingredients are included.

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.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H373 May cause damage to organs through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

Department issuing SDS: product management

Contact: product management

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
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Skin Sens. 1: Skin sensitisation – Category 1
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
Asp. Tox. 1: Aspiration hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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