

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

Printing date 04.07.2025

Version number 2.00 (replaces version 1.00)

Revision: 22.11.2024

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

1.1 Product identifier

Trade name: **CLASSIC MEDUNA PT 5W-30 C3/C4**

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: C14-16-18 Alkylphenol. May produce an allergic reaction.

Safety data sheet available on request.

2.3 Other hazards

Results of PBT and vPvB assessment

This mixture contains no substances assessed as PBT or vPvB in a concentration $\geq 0.1\%$.

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: 84605-29-8 EINECS: 283-392-8 Reg.nr.: 01-2119493626-26	Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts ☠ Eye Dam. 1, H318; ☠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315 Specific concentration limits: Skin Irrit. 2; H315: C $\geq 6.25\%$ Eye Dam. 1; H318: C $\geq 12.5\%$ Eye Irrit. 2; H319: 10 % \leq C < 12.5 %	0.1-0.99%
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%

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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:

Do not induce vomiting.

Rinse mouth thoroughly

Call a doctor 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

First aid, decontamination, symptomatic treatment.

SECTION 5: Firefighting measures**5.1 Extinguishing media**

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

For safety reasons unsuitable extinguishing agents: Water with full jet

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

5.3 Advice for firefighters

Precautionary measures fire: Exercise caution when fighting any chemical fire.

Firefighting instructions: Use water spray or fog for cooling exposed containers.

Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Protective equipment: No special measures required.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures**

Wear suitable protective clothing and gloves.

Particular danger of slipping on leaked/spilled product.

For emergency responders Personal protection

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.

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

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.

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

Further information about storage conditions: Storage temperature: < 40 °C

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

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

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.

Hand protection



Protective gloves

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

Nitrile rubber, NBR

Recommended thickness:> 0.35 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

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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

Thermal hazards Not known.

Environmental exposure controls There are no data available.

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	Undetermined.
Flammability	Not applicable.
Lower and upper explosion limit	
Lower:	Not determined.
Upper:	Not determined.
Flash point:	>200 °C (ASTM D92)
Decomposition temperature:	Not determined.
pH	Not determined.
Viscosity:	
Kinematic viscosity at 40 °C	67.1 mm ² /s (ASTM D445)
Dynamic:	Not determined.
Solubility water:	Slightly soluble, the product remains on the water surface.
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure:	Not determined.
Density and/or relative density	
Density at 15 °C:	0.852 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:	Product is not selfigniting.
Explosive properties:	Product does not present an explosion hazard.
Change in condition	
Evaporation rate	Not determined.

Information with regard to physical hazard classes

Explosives	Void
Flammable gases	Void

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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 The product is stable when stored at normal ambient temperatures.

10.2 Chemical stability

Thermal decomposition / conditions to be avoided: Stable under normal conditions.

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid Stable under normal use conditions.

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

10.6 Hazardous decomposition products:

None if used as intended and stored in accordance with regulations.

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: 84605-29-8 Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts

Oral	LD50 oral	3.150 mg/kg (Rat) (OECD Guideline 401)
Dermal	LD50 dermal	>2.002 mg/kg (rabbit) (OECD Guideline 402)
Inhalative	LC50 Acute inhalation toxicity (dust/mist):	>2.3 mg/l (Rat) (OECD 403)

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.

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STOT-repeated exposure

C14-16-18 Alkylphenol

STOT-repeated exposure: May cause damage to organs through prolonged or 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:

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

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

CAS: 84605-29-8 Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts

NOEC chronic 0.4 mg/l / (21d) (Daphnia magna) ((OECD Guideline 211))

EC50 21 mg/L / 72 h (algae) (OECD 201)

23 mg/L (Daphnia magna) (OECD 202)

LC50 4.5 mg/L (Oncorhynchus mykiss) (OECD 203)

12.2 Persistence and degradability

Insoluble in water, therefore only minimally biodegradable.

CAS: 84605-29-8 Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts

Persistence and degradability 1.5 % / (28d) (OECD 301B / ISO 9439 / EWG 92/69 Anhang V,C.4-C)
Not readily biodegradable (according to OECD criteria).

12.3 Bioaccumulative potential

CAS: 84605-29-8 Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts

Partition coefficient n-octanol/water 0.56

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.

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

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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

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.

REGULATION (EU) 2019/1021 on persistent organic pollutants (POP)

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants.

LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (ANNEX XIV)

Contains no REACH Annex XIV substances.

REGULATION (EC) No 1907/2006 ANNEX XVII Contains no REACH substances with Annex XVII restrictions.

Regulation (EU) No 649/2012

Contains no substance subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

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.

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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.

REGULATION (EU) 2024/590 on substances that deplete the ozone layer

Does not contain substances listed on the Ozone Depletion List (Regulation EU 2024/590 on substances that deplete the ozone layer).

National regulations:

Breakdown regulations:

(Germany)

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

Waterhazard class:

(according to AwSV, Germany)

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

Other regulations, limitations and prohibitive regulations

Netherlands

SZW-lijst van kankerverwekkende stoffen: Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts is listed

SZW-lijst van mutagene stoffen: Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts 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.

Danish national regulations:

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

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

None of the components are listed.

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

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

Department issuing SDS: product management

Contact: product management

Date of previous version: 01.06.2022

Version number of previous version: 1.00

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)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

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PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Skin Sens. 1: Skin sensitisation – Category 1

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

EU