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

1.1 Product identifier

Trade name: Eni PRECIS CGLP 220

1.2 Relevant identified uses of the substance or mixture and uses advised against

General use: Lubricant

1.3 Details of the supplier of the safety data sheet

Company name: Enilive Schmiertechnik GmbH
Street/POB-No.: Paradiesstraße 14
Postal Code, city: 97080 Würzburg
Germany
E-mail: info.wuerzburg@enilive.com
Telephone: +49 (0)931-90098-0
Telefax: +49 (0)931-98442

Department responsible for information:
Application Engineering & Product Management (AEPM)
Telephone: +49 (0)931-90098-0
E-mail: technik.wuerzburg@enilive.com

1.4 Emergency telephone number

GIZ-Nord, Göttingen
Telephone: +49 (0)551-19240

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

This mixture is classified as not hazardous.

2.2 Label elements

Labelling (CLP)

Hazard statements: not applicable

Precautionary statements: not applicable

2.3 Other hazards

Special danger of slipping by leaking/spilling product.

With exposure to water, product will release hydrogen sulfide.
Information about hydrogen sulfide: Extremely flammable gas. Fatal if inhaled. Very toxic to aquatic life.

Endocrine disrupting properties, Results of PBT and vPvB assessment:

This mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% (w/w) or higher.
The product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.1 Substances: not applicable

3.2 Mixtures

Chemical characterisation: A mixture of hydrocarbons, fatty acids, tackifier, polymers and additives.

Hazardous ingredients:

Identifiers	Designation Classification	Content
REACH 01-2119488707-21-xxxx EC No. 265-101-6 CAS 64742-01-4	Residual oils (petroleum), solvent-refined not classified	50 - 60 %
REACH 01-2119471299-27-xxxx EC No. 265-169-7 CAS 64742-65-0	Distillates (petroleum), solvent-dewaxed heavy paraffinic not classified	40 - 50 %

Full text of H- and EUH-statements: see section 16.

Additional information: The highly refined mineral oil contains <3% (w/w) DMSO extract, according to IP346.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information: Take off contaminated clothing and wash it before reuse.

In case of inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Seek medical attention.

Following skin contact: After contact with skin, wash immediately with soap and plenty of water. In case of skin reactions, consult a physician.
If the product penetrates the skin under high pressure, call a physician immediately. Following fire: Apply bandage with sterile gauze. In case of skin reactions, consult a physician.

After eye contact: Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. In case of troubles or persistent symptoms, consult an opthalmologist.

After swallowing: Rinse mouth thoroughly with water. Repeatedly drink water. Never give anything by mouth to an unconscious person. Do not induce vomiting. Immediately get medical attention.

4.2 Most important symptoms and effects, both acute and delayed

In case of inhalation: Irritation to respiratory tract, nausea, dizziness.

In case of ingestion: Irritation, nausea, discomfort, gastrointestinal irritation.

After contact with skin: Hot product can cause severe burns.

After eye contact: Direct contact with eyes may cause temporary irritation.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.
It can take hours before symptoms of poisoning show up following exposure.
In case of inhalation (hydrogen sulfide): Take to a hospital immediately.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Water spray jet, foam, extinguishing powder, carbon dioxide.
In case of large fires: Water spray jet, foam.

Extinguishing media which must not be used for safety reasons:

Full water jet

5.2 Special hazards arising from the substance or mixture

Combustible.
May form dangerous gases and vapours in case of fire.
Vapours are heavier than air, spread along floors and form explosive mixtures with air.
Furthermore, there may develop: Sulphur oxides, hydrogen sulfide, nitrogen oxides (NOx), phosphorus oxides, aldehydes, carbon monoxide and carbon dioxide.

5.3 Advice for firefighters

Special protective equipment for firefighters:

Wear self-contained positive pressure breathing apparatus and full firefighting protective clothing.

Additional information:

Use fine water spray to cool endangered containers. Move undamaged containers from immediate hazard area if it can be done safely.
Contaminated fire-fighting water must be collected separately. Do not allow water used to extinguish fire to enter drains, ground or waterways.
Fire residuals and contaminated extinguishing water must be disposed of in accordance with the regulations of the local authorities.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Do not breathe mist/vapours/spray. Avoid oil mist formation. Provide adequate ventilation.
Wear appropriate protective equipment. Take off contaminated clothing and wash it before reuse. Do not get in eyes, on skin, or on clothing.

6.2 Environmental precautions

Do not allow to enter into ground-water, surface water or drains.
If necessary notify appropriate authorities.

6.3 Methods and material for containment and cleaning up

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see section 13).
Make sure spills can be contained, e.g. in sump pallets or kerbed areas.
Never return spills in original containers for re-use.
Clean contaminated articles and floor according to the environmental legislation.

Additional information: Special danger of slipping by leaking/spilling product.

6.4 Reference to other sections

Refer additionally to section 8 and 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advices on safe handling: Provide adequate ventilation, and local exhaust as needed. Do not breathe mist/vapours/spray.
Avoid oil mist formation. Do not get in eyes, on skin, or on clothing. Wear appropriate protective equipment. Take off contaminated clothing and wash it before reuse.
Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.
Have eye wash bottle or eye rinse ready at work place.

Precautions against fire and explosion:
Keep away from heat.
When handling larger quantities, take precautionary measures against electrostatic charging.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:
Keep container tightly closed and in a well-ventilated place.
Keep container dry. Keep only in the original container.
Protect from heat and direct sunlight.
Protect from moisture contamination.

Hints on joint storage: Do not store together with: Strong oxidizing agents.
Keep away from food, drink and animal feedingstuffs.

Storage class: 10 = Combustible liquids, unless storage class 3

7.3 Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Additional information: Contains no substances with occupational exposure limit values.

DNEL/DMEL:

Information about Residual oils (petroleum), solvent-refined:
DNEL workers, long-term, systemic, dermal: 0,97 mg/kg/ bw/d
DNEL workers, long-term, systemic, inhalative: 2,73 mg/m³
DNEL workers, long-term, local, inhalative: 5,58 mg/m³
DNEL consumers, long-term, local, inhalative: 1,19 mg/m³
DNEL consumers, long-term, systemic, oral: 0,74 mg/kg bw/d

Information about Distillates (petroleum), solvent-dewaxed heavy paraffinic:
DNEL workers, long-term, systemic, dermal: 0,97 mg/kg/ bw/d
DNEL workers, long-term, systemic, inhalative: 2,73 mg/m³
DNEL workers, long-term, local, inhalative: 5,58 mg/m³
DNEL consumers, long-term, systemic, oral: 0,74 mg/kg bw/d

PNEC:

Information about Residual oils (petroleum), solvent-refined:
PNEC oral, Secondary poisoning: 9,33 mg/kg (Food)

Information about Distillates (petroleum), solvent-dewaxed heavy paraffinic:
PNEC oral, Secondary poisoning: 9,33 mg/kg (Food)

8.2 Exposure controls

Provide good ventilation and/or an exhaust system in the work area.

Personal protection equipment

Occupational exposure controls

Respiratory protection:

In case of inadequate ventilation wear respiratory protection. Use combination filter type A/P according to EN 14387.
Approved respiratory protection equipment shall be used in spaces where hydrogen sulfide may accumulate. Full face mask (EN 136) with filter type B.
The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product.

Hand protection:

Protective gloves according to DIN EN 374.
Glove material: Nitrile rubber (NBR), PVC
Breakthrough time: ≥ 240 min
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection:

Tightly sealed goggles according to DIN EN ISO 16321-1:2022.

Body protection:

Wear suitable protective clothing.

General protection and hygiene measures:

Do not breathe mist/vapours/spray. Avoid oil mist formation. Take off contaminated clothing and wash it before reuse. Do not get in eyes, on skin, or on clothing.
Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Protect skin by using skin protective cream.
Have eye wash bottle or eye rinse ready at work place.

Environmental exposure controls

Refer to "6.2 Environmental precautions".

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state at 20 °C and 101.3 kPa	liquid Form: Clear
Colour:	Yellow-brown
Odour:	Petroleum (slight smell)
Odour threshold:	No data available
Melting point/freezing point:	Not applicable
Initial boiling point and boiling range:	No data available
Flammability:	This product is non-flammable.
Upper/lower flammability or explosive limits:	LEL (Lower Explosion Limit): ≥ 45 g/m³ (aerosol)
Flash point/flash point range:	> 200 °C (ASTM D 92)
Decomposition temperature:	No data available
pH:	No data available
Viscosity, kinematic:	at 40 °C: 210 - 230 mm²/s (ASTM D 445)
Water solubility:	Insoluble
Partition coefficient: n-octanol/water:	1,99 - 18,02 log P(o/w) (Distillates (petroleum), solvent-dewaxed heavy paraffinic) Based on the n-octanol/water partition coefficient accumulation in organisms is possible.
Vapour pressure:	at 20 °C: < 0,1 hPa (Mineral oil, ASTM D 5191)
Density:	at 15 °C: < 905 kg/m³ (ASTM D 4052)
Vapour density:	No data available
Particle characteristics:	Not applicable

9.2 Other information

Explosive properties:	Product is not explosive.
Oxidizing characteristics:	Not oxidising
Auto-ignition temperature:	No data available
Evaporation rate:	Negligible (Butyl acetate = 1)
Additional information:	Setting point: -15 °C (ASTM D 97)

SECTION 10: Stability and reactivity

10.1 Reactivity

With exposure to water, product will release hydrogen sulfide.

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

Exothermic reactions with strong oxidizing agents. Risk of fire.

10.4 Conditions to avoid

Keep away from heat sources, sparks and open flames. Protect from direct sunlight. Protect from moisture contamination.

10.5 Incompatible materials

Strong oxidizing agents.

10.6 Hazardous decomposition products

Hydrogen sulfide.

Thermal decomposition: No data available

SECTION 11: Toxicological information

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

Toxicological effects: The statements are derived from the properties of the single components. No toxicological data is available for the product as such.

Acute toxicity (oral): Based on available data, the classification criteria are not met.

Acute toxicity (dermal): Based on available data, the classification criteria are not met.

Acute toxicity (inhalative): 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.
Direct contact with eyes may cause temporary irritation.

Sensitisation to the respiratory tract: Based on available data, the classification criteria are not met.

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

Germ cell mutagenicity/Genotoxicity: 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.

Effects on or via lactation: Lack of data.

Specific target organ toxicity (single exposure): Based on available data, the classification criteria are not met.

Specific target organ toxicity (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

Other information:

Information about Residual oils (petroleum), solvent-refined:
LD50 Rat, oral: > 5.000 mg/kg (OECD 401)
LD50 Rabbit, dermal: > 5.000 mg/kg bw (OECD 402)
LC50 Rat, inhalative (Dusts/Mist): > 5,53 mg/L/4h (OECD 403)

Information about Distillates (petroleum), solvent-dewaxed heavy paraffinic:
LD50 Rat, oral: > 5.000 mg/kg (OECD 401)
LD50 Rabbit, dermal: > 5.000 mg/kg (OECD 402)
LC50 Rat, inhalative (Dusts/Mist): > 5,53 mg/L/4h (OECD 403)

Symptoms

In case of inhalation: Irritation to respiratory tract, nausea, dizziness.

In case of ingestion: Irritation, nausea, discomfort, gastrointestinal irritation.

After contact with skin: Hot product can cause severe burns.

After eye contact: Direct contact with eyes may cause temporary irritation.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

Information about Residual oils (petroleum), solvent-refined:
Fish toxicity:
LL50 Pimephales promelas (fathead minnow): > 100 mg/L/96h (OECD 203)
Daphnia toxicity:
EL50 Daphnia magna (Big water flea): > 10.000 mg/L/48h (OECD 202)

Information about Distillates (petroleum), solvent-dewaxed heavy paraffinic:
Fish toxicity:
LL50 Pimephales promelas (fathead minnow): > 100 mg/L/96h (OECD 203)
Daphnia toxicity:
EL50 Daphnia magna (Big water flea): > 10.000 mg/L/48h (OECD 202)

Water Hazard Class:

1 = slightly hazardous to water (Self-classification (mixture).)

12.2 Persistence and degradability

Further details:

According to OECD criteria the product is not readily biodegradable but inherently biodegradable.

Information about Distillates (petroleum), solvent-dewaxed heavy paraffinic:
31%/28d. Inherently biodegradable.

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:

1,99 - 18,02 log P(o/w) (Distillates (petroleum), solvent-dewaxed heavy paraffinic)
Based on the n-octanol/water partition coefficient accumulation in organisms is possible.

12.4 Mobility in soil

Information about Distillates (petroleum), solvent-dewaxed heavy paraffinic:
Log Koc: 1,71 - 14,7

12.5 Results of PBT and vPvB assessment

The product does not contain any substances classified as PBT or vPvB.

12.6 Endocrine disrupting properties

None

12.7 Other adverse effects

General information: Do not allow to enter into ground-water, surface water or drains.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Waste key number: 13 02 05* = Mineral-based non-chlorinated engine, gear and lubricating oils
* = Evidence for disposal must be provided.

Recommendation: Dispose of waste according to applicable legislation. Do not dispose of with household waste.

Package

Recommendation: Dispose of waste according to applicable legislation. Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

14.1 UN number or ID number

ADR/RID, ADN, IMDG, IATA-DGR:
not applicable

14.2 UN proper shipping name

ADR/RID, IMDG, IATA-DGR:
Not restricted

ADN: No dangerous good in sense of this transport regulation.

14.3 Transport hazard class(es)

ADR/RID, ADN, IMDG, IATA-DGR:
not applicable

14.4 Packing group

ADR/RID, ADN, IMDG, IATA-DGR:
not applicable

14.5 Environmental hazards

Dangerous for the environment:
Substance/mixture is not environmentally hazardous according to the criteria of the UN model regulations.

Marine pollutant - IMDG: no

14.6 Special precautions for user

No dangerous good in sense of these transport regulations.

14.7 Maritime transport in bulk according to IMO instruments

No data available

SECTION 15: Regulatory information

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

National regulations - Germany

Storage class: 10 = Combustible liquids, unless storage class 3

Water Hazard Class: 1 = slightly hazardous to water (Self-classification (mixture).)

Technical guidance air: 5.2.5

Further regulations, limitations and legal requirements:

The product is not subject to the Chemicals Prohibition Ordinance (ChemVerbotsV).

National regulations - EC member states

Further regulations, limitations and legal requirements:

No data available

15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

SECTION 16: Other information

Reason of change: Changes in section 1: Details of the supplier of the safety data sheet
General revision

Date of first version: 4.7.2022

Department issuing data sheet:

see section 1: Department responsible for information

Abbreviations and acronyms:

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
AS/NZS: Australian Standards/New Zealand Standards
CAS: Chemical Abstracts Service
CFR: Code of Federal Regulations
CLP: Classification, Labelling and Packaging
DIN: German Insitute for Standardization
DMEL: Derived minimal effect level
DNEL: Derived no-effect level
EC: European Community
EL50: Effective loading rate 50%
EN: European Standard
EQ: Excepted quantities
EU: European Union
IATA: International Air Transport Association
IATA-DGR: International Air Transport Association – Dangerous Goods Regulations
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IMDG Code: International Maritime Dangerous Goods Code
LC50: Median lethal concentration
LD50: Lethal dose 50%
LEL: Lower Explosion Limit
log P(o/w): Partition coefficient: octanol/water
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
NF: French Standard
OECD: Organisation for Economic Co-operation and Development
OSHA: Occupational Safety and Health Administration
PBT: Persistent, bioaccumulative and toxic
PNEC: Predicted no-effect concentration
PVC: Polyvinyl chloride
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail
TRGS: Technical Rules for Hazardous Substances
vPvB: Very persistent and very bioaccumulative

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.

Most recent product information is available at:
http://sumdat.net/gim9d50p