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

1.1 Product identifier

Trade name: Eni Multitech CVT 10W-30

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

General use: Lubricating oil.

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

Special labelling

EUH208 Contains 2-Tetradecyloxirane, reaction products with boric acid. May produce an allergic reaction.

EUH210 Safety data sheet available on request.

2.3 Other hazards

Special danger of slipping by leaking/spilling product.
Prolonged or repeated skin contact may cause removal of natural fat from the skin resulting in dermatitis (skin inflammation).

Endocrine disrupting properties, Results of PBT and vPvB assessment:

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 mineral oil and additives.

Hazardous ingredients:

Identifiers	Designation Classification	Content
EC No. - CAS -	Mineral oil (highly refined) not classified	75 - 90 %
EC No. - CAS -	Mineral oil (highly refined) Asp. Tox. 1; H304.	10 - 25 %
EC No. - CAS -	Calcium branched alkyl phenate sulphide (overbased) Aquatic Chronic 4; H413.	< 5 %
REACH 01-2119493635-27-xxxx EC No. 224-235-5 CAS 4259-15-8	Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate) Eye Dam. 1; H318. Aquatic Chronic 2; H411. Specific concentration limits (SCL): Eye Dam.1; H318: C ≥ 50 %	< 2,5 %
REACH 01-2119976364-28-xxxx list no. 701-392-2	2-Tetradecyloxirane, reaction products with boric acid Skin Sens. 1B; H317.	< 1 %
REACH 01-2119457273-39-xxxx list no. 918-481-9 CAS 64742-48-9	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics Asp. Tox. 1; H304. (EUH066).	< 0,5 %

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

Additional information: Information about Mineral oil (highly refined):
Contains:
CAS 64742-54-7 / EC 265-157-1 / REACH 01-2119484627-25-xxxx and/or
CAS 64742-55-8 / EC 265-158-7 / REACH 01-2119487077-29-xxxx and/or
CAS 64742-56-9 / EC 265-159-2 / REACH 01-2119480132-48-xxxx and/or
CAS 64742-65-0 / EC 265-169-7 / REACH 01-2119471299-27-xxxx and/or
CAS 72623-87-1 / EC 276-738-4 / REACH 01-2119474889-13-xxxx

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: If medical advice is needed, have product container or label at hand.
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 if problems persist.

Following skin contact: Immediately clean with water and soap followed by thorough rinsing. 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 immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Do not induce vomiting. Seek medical attention.

4.2 Most important symptoms and effects, both acute and delayed

May cause allergic reactions in already sensitized persons.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.
In case of ingestion/in case of inhalation (high amount): For specialist advice physicians should contact the Poisons Information Service.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:
Water spray jet, alcohol resistant foam, extinguishing powder, carbon dioxide.

Extinguishing media which must not be used for safety reasons:
Full water jet.

5.2 Special hazards arising from the substance or mixture

Combustible.
In case of warming: May cause pressure increase in sealed container. Danger of bursting container.
May form dangerous gases and vapours in case of fire.
Furthermore, there may develop: Metallic oxides, sulphur oxides, phosphorus oxides, 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.
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 contact with the substance.
If possible, eliminate leakage. Provide adequate ventilation.
Wear appropriate protective equipment. Keep unprotected people away.
Take off contaminated clothing and wash it before reuse.

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents) and place in closed containers for disposal.
Never return spills in original containers for re-use.

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. Do not get in eyes, on skin, or on clothing. Wear appropriate protective equipment.
Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling. Take off contaminated clothing and wash it before reuse.
Work place should be equipped with a shower and an eye rinsing apparatus.

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.
Store containers in upright position.

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

Occupational exposure limit values:

CAS No.	Designation	Type	Limit value
4259-15-8	Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	Germany: DFG Kurzzeit	0,4 mg/m³ (compounds, inorganic; respirable fraction)
		Germany: DFG Kurzzeit	4 mg/m³ (compounds, inorganic; inhalable fraction)
		Germany: DFG Langzeit	0,1 mg/m³ (compounds, inorganic; respirable fraction)
		Germany: DFG Langzeit	2 mg/m³ (compounds, inorganic; inhalable fraction)
64742-48-9	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	Germany: DFG Kurzzeit	600 mg/m³; 100 ppm
		Germany: DFG Langzeit	300 mg/m³; 50 ppm
		Germany: TRGS 900 Kurzzeit	600 mg/m³ (hydrocarbons, aliphatic, C9-C14)
		Germany: TRGS 900 Langzeit	300 mg/m³ (hydrocarbons, aliphatic, C9-C14)

DNEL/DMEL:

Information about Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate):
DNEL Workers, long-term, systemic, inhalative: 6,6 mg/m³
DNEL Workers, long-term, systemic, dermal: 9,6 mg/kg bw/d
DNEL Consumer, long-term, systemic, inhalative: 1,67 mg/m³
DNEL Consumer, long-term, systemic, dermal: 4,8 mg/kg bw/d
DNEL Consumer, long-term, systemic, oral: 0,19 mg/kg bw/d

Information about Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics:
DNEL Workers, long-term, systemic, inhalative: 1,9 mg/m³
DNEL Workers, long-term, local, inhalative: 837,5 mg/m³
DNEL Workers, long-term, systemic, dermal: 300 mg/kg bw/d
DNEL Workers, short-term, systemic, inhalative: 1286,4 mg/m³
DNEL Workers, short-term, local, inhalative: 1066,67 mg/m³
DNEL Consumer, long-term, local, inhalative: 178,57 mg/m³
DNEL Consumer, long-term, systemic, dermal: 300 mg/kg bw/d
DNEL Consumer, long-term, systemic, oral: 300 mg/kg bw/d
DNEL Consumer, short-term, systemic, inhalative: 1.152 mg/m³
DNEL Consumer, short-term, local, inhalative: 640 mg/m³

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.
Recommendation: Use combination filter type A1/P2 according to EN 14387.
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
Layer thickness: 0,17 mm
Breakthrough time: < 1 h
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. 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. Take off contaminated clothing and wash it before reuse. Work place should be equipped with a shower and an eye rinsing apparatus.

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: oily
Colour:	yellow
Odour:	Weak
Odour threshold:	No data available
Melting point/freezing point:	Not applicable
Initial boiling point and boiling range:	> 300 °C
Flammability:	Not applicable
Upper/lower flammability or explosive limits:	No data available
Flash point/flash point range:	> 200 °C (o.c, ASTM D 92)
Decomposition temperature:	> 300 °C
pH:	Not applicable
Viscosity, kinematic:	at 40 °C: 70,6 mm²/s (ASTM D 445) at 100 °C: 11,9 mm²/s (ASTM D 445)
Water solubility:	Insoluble
Partition coefficient: n-octanol/water:	3,59 log P(o/w) (Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)) Based on the n-octanol/water partition coefficient significant accumulation in organisms is not expected.
Vapour pressure:	< 0,01 kPa
Density:	at 15 °C: 0,86 g/mL (ASTM D 4052)
Vapour density:	No data available
Particle characteristics:	Not applicable

9.2 Other information

Explosive properties:	No data available
Oxidizing characteristics:	No data available
Auto-ignition temperature:	> 300 °C
Evaporation rate:	No data available
Additional information:	Pour point: < -33 °C (ASTM D 97)

SECTION 10: Stability and reactivity

10.1 Reactivity

Refer to subsection "Possibility of hazardous reactions".

10.2 Chemical stability

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

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

10.5 Incompatible materials

Strong oxidizing agents.

10.6 Hazardous decomposition products

No hazardous decomposition products when regulations for storage and handling are observed.

Thermal decomposition: > 300 °C

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): Lack of data.

Acute toxicity (dermal): Lack of data.

Acute toxicity (inhalative): Lack of data.

Skin corrosion/irritation: Lack of data.

Serious eye damage/irritation: Lack of data.

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Based on available data, the classification criteria are not met.
Contains 2-Tetradecyloxirane, reaction products with boric acid. May produce an allergic reaction.

Germ cell mutagenicity/Genotoxicity: Lack of data.

Carcinogenicity: Lack of data.

Reproductive toxicity: Lack of data.

Effects on or via lactation: Lack of data.

Specific target organ toxicity (single exposure): Lack of data.

Specific target organ toxicity (repeated exposure): Lack of data.

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

11.2 Information on other hazards

Endocrine disrupting properties:

No data available

Other information:

Information about Mineral oil (highly refined):
LD50 Rat, oral: > 5.000 mg/kg
LD50 Rabbit, dermal: > 5.000 mg/kg
LC50 Rat, inhalative: 5,53 mg/L/4h

Information about Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate):
LD50 Rat, oral: 3.100 mg/kg
LD50 Rabbit, dermal: > 5.000 mg/kg

Symptoms

After contact with skin:
Irritation.
Repeated exposure may cause skin dryness or cracking, due to defatting properties.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

Information about Mineral oil (highly refined):
Fish toxicity:
LL50 Pimephales promelas (fathead minnow): >100 mg/L/96h
Daphnia toxicity:
EL50 Daphnia magna (Big water flea): > 10.000 mg/L/48h
NOEL Daphnia magna (Big water flea): 10 mg/L/21d
Algae toxicity:
NOEL Pseudokirchneriella subcapitata (green algae): ≥ 100 mg/L/72h

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

12.2 Persistence and degradability

Further details:

Information about Mineral oil (highly refined):
Biodegradability:
Inherently biodegradable.

Information about Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate):
Biodegradability:
5%/27d. Not easily bio-degradable.

12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:

3,59 log P(o/w) (Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate))
Based on the n-octanol/water partition coefficient significant accumulation in organisms is not expected.

12.4 Mobility in soil

No data available

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

No data available

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.

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, ADN, IMDG, IATA-DGR:
Not restricted

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

Labelling of packaging with <= 125mL content

Hazard statements:
EUH208 Contains 2-Tetradecyloxirane, reaction products with boric acid. May produce an allergic reaction.
EUH210 Safety data sheet available on request.

Precautionary statements: not applicable

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

Wording of the H-phrases under paragraph 2 and 3:

H304 = May be fatal if swallowed and enters airways.
H317 = May cause an allergic skin reaction.
H318 = Causes serious eye damage.
H411 = Toxic to aquatic life with long lasting effects.
H413 = May cause long lasting harmful effects to aquatic life.
EUH066 = Repeated exposure may cause skin dryness or cracking.
EUH208 = Contains 2-Tetradecyloxirane, reaction products with boric acid. May produce an allergic reaction.
EUH210 = Safety data sheet available on request.

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

Date of first version: 12.10.2023

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
Aquatic Chronic: Hazardous to the aquatic environment - chronic
AS/NZS: Australian Standards/New Zealand Standards
Asp. Tox.: Aspiration toxicity
CAS: Chemical Abstracts Service
CFR: Code of Federal Regulations
CLP: Classification, Labelling and Packaging
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
Eye Dam.: Eye damage
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%
log P(o/w): Partition coefficient: octanol/water
MARPOL: Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
OSHA: Occupational Safety and Health Administration
PBT: Persistent, bioaccumulative and toxic
PNEC: Predicted no-effect concentration
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals
RID: Regulations Concerning the International Carriage of Dangerous Goods by Rail
Skin Sens.: Skin sensitisation
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/tad5vzd3