



TECPO Motoröl 5W- 40 X-TREME PLUS 502/505_EN

Version number: 2.0
Issued: 2026-04-03
Replaces SDS: 2026-02-20

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

1.1. Product identifier

Trade name

TECPO Motoröl 5W-40 X-TREME PLUS 502/505_EN

Article No.

300201

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

Relevant identified uses

Engine oil.

Not suitable for use in

No further relevant information available.

1.3. Details of the supplier of the safety data sheet

SDS created by

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1.4. Emergency telephone number

Poison center/Additional emergency number

+49 (0) 89 19240 (Available 24/7) - Poison Emergency Call Munich (Available for the public.)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Description

This mixture is not classified as dangerous according to Regulation (EC) No 1272/2008.

2.2. Label elements

Supplemental hazard statements

EUH210 Safety data sheet available on request.

2.3. Other hazards

No further relevant information available.



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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical name	CAS No. EC No. REACH No. Index No.	Concentration	Classification	H-pharse M factor acute M factor chronic	Specific concentra- tion limits ATE	Note
Distillates (petroleum), hydrotreated heavy paraffinic	64742-54-7 265-157-1 01-2119484627-25 649-467-00-8	10 - <20%	Asp. Tox. 1	H304 - -		dermal: LD50 = >5000 mg/kg; oral: LD50 = >5000 mg/kg
Phosphorodithionic acid, mixed O,O-bis(2-ethylhexyl and isobutyl and isopropyl) esters, zinc salts	85940-28-9 288-917-4 01-2119521201-61 -	1 - <2,5%	Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 2	H315, H318, H411 - -		dermal: LD50 = >20000 mg/kg Skin Irrit. 2; H315: >= 15 - 100 Eye Dam. 1; H318: >= 20 - 100 Eye Irrit. 2; H319: >= 15 - < 20
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts	70024-69-0 274-263-7 01-2119492616-28-XXXX -	0,3 - <1%	Skin Sens. 1B	H317 - -	Skin Sens. 1B, H317: 10% ≤ C ≤ 100%	-

Product based on

Mixture containing mineral oil. Mineral oil with < 3% DMSO extract according to IP 346.

Substance additional information

For the complete text of H- / EUH-statements mentioned in this section, see section 16.



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SECTION 4: First aid measures

4.1. Description of first aid measures

In all cases of doubt or if symptoms are present, seek medical advice. In case of unconsciousness and If unconscious and not breathing, place in recovery position and seek medical advice. Remove soiled, soaked clothing Take off immediately.

Inhalation

Take the affected person out into the fresh air and keep them warm and calm.

Skin contact

Wash off immediately with soap and water and rinse thoroughly.

Eye contact

Rinse opened eye for several minutes under running water. Consult an eye specialist immediately.

Ingestion

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Drink plenty of water in drink in small sips. Get immediate medical advice/attention.

4.2. Most important symptoms and effects, both acute and delayed

In all cases of doubt or if symptoms are present, seek medical advice.

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 media

Alcohol-resistant foam, extinguishing powder, carbon dioxide (CO₂).

Unsuitable extinguishing media

Full water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products: Carbon monoxide (CO). Carbon dioxide (CO₂). Do not inhale explosion and fire gases.

5.3. Advice for firefighters

Special protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.



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Other

Measures in case of fire

Collect contaminated extinguishing water separately. Do not allow to enter drains or waterways. Do not into the subsoil/soil.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Protective measures: see section 7 + 8.

6.2. Environmental precautions

Do not allow to enter drains/surface water/ground water.

Do not allow to enter the subsoil/soil. Thoroughly clean soiled objects and floors in compliance with environmental regulations.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid binder, universal binder).

Dispose of the collected material in accordance with the regulations (Section 13).

6.4. Reference to other sections

See SECTIONS 7+8+13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Preventive handling precautions

Use personal protective equipment. Do not eat, drink or smoke during use. Provide fresh air fresh air. Open and handle container with care. Conditions to avoid: Aerosol generation/formation.

Notes on fire and explosion protection:

No special measures required.

General hygiene

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

7.2. Conditions for safe storage, including any incompatibilities

Keep containers tightly closed.

Store in a cool and well-ventilated place.

Protect from heat, direct sunlight and frost.

Storage class according to TRGS 510: 10 - Flammable liquids that cannot be assigned to any of the aforementioned LGKs



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7.3. Specific end use(s)

Observe the technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits

- a no restriction
- b End of exposure or end of shift
- c for long-term exposure: after several previous shifts
- d before subsequent layer

Y: A risk of fruit damage need not be feared if the occupational exposure limit value (OEL) and the biological limit value (BGW) are complied with

Z: A risk of fruit damage cannot be excluded even if the occupational exposure limit value (OEL) and the biological limit value (BGW) are complied with

Blood (B)

Urine (U)

DNEL/DMEL

Product/Substance name (CAS No./EC No.)	Type	Exposure	Value	Population	Effects
Phosphorodithionic acid, mixed O,O-bis(2-ethylhexyl and isobutyl and isopropyl) esters, zinc salts (85940-28-9/288-917-4)	DNEL	Chronic (long term) Dermal	9,6 mg/kg bw/day	Workers	Systemic
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts (70024-69-0/274-263-7)	DNEL	Chronic (long term) Inhalation	11,75 mg/m ³	Workers	Systemic
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts (70024-69-0/274-263-7)	DNEL	Chronic (long term) Dermal	3,33 mg/kg bw/day	Workers	Systemic
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts (70024-69-0/274-263-7)	DNEL	Chronic (long term) Dermal	1,03 mg/cm ²	Workers	Local
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts (70024-69-0/274-263-7)	DNEL	Chronic (long term) Oral	0,833 mg/kg bw/day	Consumers	Systemic
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts	DNEL	Chronic (long term) Dermal	1,667 mg/kg bw/day	Consumers	Systemic



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Product/Substance name (CAS No./EC No.)	Type	Exposure	Value	Population	Effects
(70024-69-0/274-263-7)					
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts (70024-69-0/274-263-7)	DNEL	Chronic (long term) Dermal	0,513 mg/cm ²	Consumers	Local
Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts (70024-69-0/274-263-7)	DNEL	Chronic (long term) Inhalation	2,9 mg/m ³	Consumers	Systemic
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7/265-157-1)	DNEL	Chronic (long term) Inhalation	5,58 mg/m ³	Workers	Local
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7/265-157-1)	DNEL	Chronic (long term) Inhalation	1,2 mg/m ³	Consumers	Local

PNEC/PEC

Product/Substance name (CAS No./EC No.)	Type	Environmental compartment	Value
Phosphorodithionic acid, mixed O,O-bis(2-ethylhexyl and isobutyl and isopropyl) esters, zinc salts (85940-28-9/288-917-4)	PNEC	Freshwater	0,004 mg/l
Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7/265-157-1)	PNEC	Oral (Secondary Poisoning)	9,33 mg/kg food

8.2. Exposure controls

Appropriate engineering controls

see SECTION 7. No further measures are required.

Personal Protective Equipment Symbols



Eye / face protection

Frame spectacles with side protection (DIN EN ISO 16321)



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Hand protection

Wear suitable protective gloves. Recommended glove brands: EN ISO 374 Suitable material: NBR (nitrile rubber). Breakthrough time: > 480 min (thickness of the glove material: 0.4 mm). Breakthrough times and swelling properties of the material must be taken into account. It is recommended to clarify the chemical resistance of the above mentioned protective gloves for special applications with the glove manufacturer. Protective creams can help to protect exposed areas of the skin. These should never be applied after contact.

Other skin protection

Wear protective clothing.

Respiratory protection

When used properly and under normal conditions, respiratory protection is not required. If splashes or fine mist are formed, an approved respirator suitable for this purpose must be worn. Suitable respirator: Filtering half mask (DIN EN 149), e.g. FFA P / FFP3.

Environmental exposure controls

Do not discharge into drains, water courses or onto the ground.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state

Liquid

Colour

Brown.

Odour

Characteristic.

Melting point / freezing point

Not determined.

Boiling point or initial boiling point and boiling range

Not determined.

Flammability

Non-flammable.

Lower and upper explosion limit

Lower: 0.6% by volume; Upper: 10% by volume



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Flash point

≥ 200 °C

Method

EN ISO 2592

Auto-ignition temperature

Not determined.

Decomposition temperature

Not determined.

pH

Not applicable.

Kinematic viscosity

~ 14 mm²/s

Method

ASTM D 7042

Viscosity, dynamic

Not applicable.

Solubility

No data available

Water solubility

insoluble

Partition coefficient n-octanol/water

Not determined.

Vapour pressure

< 0,1 hPa

Density and/or relative density

0,86 g/cm³

Method

at 15 °C

Relative vapour density

Not determined.

Particle characteristics

Not applicable.

9.2. Other information

Pourpoint: ≤ -27 °C ASTM D 7346



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Other

No further relevant information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

There is no information available.

10.2. Chemical stability

There is no information available.

10.3. Possibility of hazardous reactions

No hazardous reactions will occur if handled and stored as directed.

10.4. Conditions to avoid

Heat.

10.5. Incompatible materials

There is no information available.

10.6. Hazardous decomposition products

There is no information available.

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.

ATEmix calculated

ATE (oral) > 2000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapor) > 20 mg/l; ATE (inhalation dust/mist) > 5 mg/l

Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Test animals	Method / Guideline
Phosphorodithionic acid, mixed O,O-bis(2-ethylhexyl and isobutyl and isopro-	LD50	> 20000 mg/kg	Dermal	Rabbit	OECD 402



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Product / Substance name CAS / EC no.	Dose descriptor	Value / Dose	Exposure route	Test animals	Method / Guideline
pyl) esters, zinc salts 85940-28-9 / 288-917-4					
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7 / 265-157-1	LD50	> 5000 mg/kg	Dermal	Rabbit	OECD 402
Distillates (petroleum), hydrotreated heavy paraffinic 64742-54-7 / 265-157-1	LD50	> 5000 mg/kg	Oral	Rat	OECD 401

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.

Repeated dose toxicity

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.



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11.2. Information on other hazards

Other information

If the general rules of occupational safety and industrial hygiene are observed, there is no risk to the health of personnel when handling this product.

SECTION 12: Ecological information

12.1. Toxicity

Acute toxicity

No data available for the mixture.

Acute fish toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
Phosphorodithionic acid, mixed O,O-bis(2-ethylhexyl and isobutyl and isopropyl) esters, zinc salts 85940-28-9 / 288-917-4	LC50	4,5 mg/l	96 hours	Onchorhynchus mykiss (Rainbow trout)	OECD 203
Phosphorodithionic acid, mixed O,O-bis(2-ethylhexyl and isobutyl and isopropyl) esters, zinc salts 85940-28-9 / 288-917-4	NOEC	1,8 mg/l	4 days	Onchorhynchus mykiss (Rainbow trout)	OECD 203

Acute algae toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
Phosphorodithionic acid, mixed O,O-bis(2-ethylhexyl and isobutyl and isopro-	ErC50	2,1 mg/l	96 hours	Selenastrum capricornutum	OECD 201



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Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
pyl) esters, zinc salts 85940-28-9 / 288-917-4					

Acute crustacean toxicity

Product / Substance name CAS / EC no.	Measurement type	Value / Result	Duration of exposure	Species	Method / Guideline
Phosphorodithionic acid, mixed O,O-bis(2-ethylhexyl and isobutyl and isopropyl) esters, zinc salts 85940-28-9 / 288-917-4	EC50	5,4 mg/l	48 hours	Daphnia magna	OECD 202
Phosphorodithionic acid, mixed O,O-bis(2-ethylhexyl and isobutyl and isopropyl) esters, zinc salts 85940-28-9 / 288-917-4	NOEC	< 1 mg/l	2 days	Daphnia magna	OECD 202

12.2. Persistence and degradability

No data available for the mixture.

12.3. Bioaccumulative potential

No data available for the mixture.

Product / Substance name CAS / EC no.	LogKow / LogPow
Phosphorodithionic acid, mixed O,O-bis(2-ethylhexyl and isobutyl and isopropyl) esters, zinc salts 85940-28-9 / 288-917-4	8,87



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12.4. Mobility in soil

Mobility

No data available.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not fulfill the PBT/vPvB criteria according to REACH, Annex XIII.

12.6. Endocrine disrupting properties

This product does not contain any substance with endocrine disrupting properties towards non-target organisms, as no ingredient fulfills the criteria.

12.7. Other adverse effects

No data available.

Other

German Water Class

WGK1 - slightly water endangering

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal considerations

Do not discharge into drains, water courses or onto the ground. Waste and containers must be disposed of in a safe manner. Disposal in accordance with Directive 2008/98/EC on waste and hazardous waste.

Packaging

Non-contaminated and completely emptied packaging can be recycled. Contact the responsible authorized waste disposal company for waste disposal.

Waste code	Waste description
13 02 05*	mineral-based non-chlorinated engine, gear and lubricating oils

Please note - an asterisk (*) next to a code denotes that it is HAZARDOUS WASTE.

SECTION 14: Transport information

14.1. UN number

No dangerous goods in the sense of these transport regulations.



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14.2. UN proper shipping name

ADR / RID / ADN proper shipping name

No dangerous goods in the sense of these transport regulations.

14.3. Transport hazard class(es)

Label

No dangerous goods in the sense of these transport regulations.

ADR / RID Class

No dangerous goods in the sense of these transport regulations.

ADR / RID Classification code

No dangerous goods in the sense of these transport regulations.

ADR / RID hazard identification number

No dangerous goods in the sense of these transport regulations.

IMDG Class

No dangerous goods in the sense of these transport regulations.

14.4. Packing group

No dangerous goods in the sense of these transport regulations.

14.5. Environmental hazards

No.

IMDG Marine Pollutant

No.

14.6. Special precautions for user

No data available.

14.7. Maritime transport in bulk according to IMO instruments

No data available.



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SECTION 15: Regulatory information

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

EU regulations

Annex XVII (REACH): The product is subject to the following restrictions according to Annex XVII, Regulation (EC) 1907/2006 (REACH): 75

Information on the IE Directive 2010/75/EU : 0 %

Information on the SEVESO III Directive 2012/18/EU : Not subject to the SEVESO III Directive

National regulations

Water hazard classification : 1 - slightly water endangering
Classification of mixtures according to Annex 1, No. 5 AwSV

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Changes to previous revision

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 (Rev. 1.0; 2026-02-20)

Phrase meaning

Skin Irrit. 2 - Skin irritation, hazard category 2

Eye Dam. 1 - Serious eye damage, hazard category 1

Aquatic Chronic 2 - Hazardous to the aquatic environment — Chronic hazard category 2

Skin Sens. 1B - Skin sensitisation, hazard category 1, sub-category 1B

Asp. Tox. 1 - Aspiration hazard, hazard category 1

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H411 Toxic to aquatic life with long lasting effects.

EUH210 Safety data sheet available on request.



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Other

Additional information

The information is based on our current state of knowledge, but does not constitute a guarantee of product properties and does not establish a contractual legal relationship. The recipient of our products is responsible for observing existing laws and regulations. The information in this safety data sheet corresponds to the best of our knowledge at the time of printing. The information is intended to provide you with guidelines for the safe handling of the product mentioned in this safety data sheet during storage, processing, transportation and disposal. The information is not transferable to other products. If the product is mixed, blended or processed with other materials processed or subjected to processing, the information in this safety data sheet cannot be transferred to the new material produced in this way, unless expressly stated otherwise.

Manufacturer's notes

The data of the relevant components were taken from the latest safety data sheet of the upstream supplier.