



TECPO

Mehrzweckfett Hochleistungs Li- Komplex 2B_EN

Version number: 2.0

Issued: 2026-10-08

Replaces SDS: 2025-10-09

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

1.1. Product identifier

Trade name

TECPO Mehrzweckfett Hochleistungs Li-Komplex 2B_EN

Article No.

300799

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

Relevant identified uses

Lubricating grease.

Not suitable for use in

No further relevant information available.

1.3. Details of the supplier of the safety data sheet

Supplier

TECPO GmbH

Address

Dreherstraße 16-20

42899 Remscheid

Germany

Telephone

+49 2191 951 3305

Email

info@tecpo.de

Fax

+49 2191 951 33044

Web site

www.tecpo.de

Contact person

Baris Ünsal

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.)

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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

EUH208 Contains Polysulfides, di-tert-dodecyl-. May produce an allergic reaction.
EUH210 Safety data sheet available on request.

2.3. Other hazards

No further relevant information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical name	CAS No. EC No. REACH No. Index No.	Concentration	Classification	H-phrase M factor acute M factor chronic	Specific concentra- tion limits ATE	Note
dilithium adipate	18621-94-8 242-449-7 01-2120116611-70 -	2,5 - <5%	Acute Tox. 4 - oral	H302 - -	ATE [Oral]: 500 mg/kg bw	-
Polysulfides, di-tert-dodecyl-	68425-15-0 270-335-7 01-2119540516-41 -	0,3 - <1%	Skin Sens. 1B	H317 - -		-
Reaction products of boric acid and lithium hydroxide	- 701-475-3 01-2120772309-47 -	0,3 - <1%	Acute Tox. 4 - oral, Eye Dam. 1, Repr. 2	H302, H318, H361d - -	Repr. 2, H361d: 7,6% ≤ C < 100% ATE [Oral]: 500 mg/kg bw	-

Product based on

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



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Substance additional information

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

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.



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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

Wear self-contained breathing apparatus.

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 specific precautions.



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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

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)

National occupational exposure limits

Ingredient	CAS No. EC No.	Exposure limit ppm / mg/m ³	Source	Remark	Year
Polysulfides, di-tert-dodecyl-	68425-15-0 270-335-7	- / 5	TRGS 900	4(II)	-

8.2. Exposure controls

Appropriate engineering controls

see SECTION 7. No further measures are required.



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Personal Protective Equipment Symbols



Eye / face protection

Frame spectacles with side protection

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

Paste

Colour

Blue.

Odour

Characteristic.

Melting point / freezing point

Not determined.



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Boiling point or initial boiling point and boiling range

Not determined.

Flammability

Not applicable.

Lower and upper explosion limit

Not applicable.

Flash point

> 220 °C

Method

EN ISO 2592

Auto-ignition temperature

Not determined.

Decomposition temperature

Not determined.

pH

Not applicable.

Kinematic viscosity

Not applicable.

Viscosity, dynamic

4,5 mPa · s

Method

DIN 51810

Solubility

No data available

Water solubility

insoluble

Partition coefficient n-octanol/water

Not determined.

Vapour pressure

< 0,1 hPa

Density and/or relative density

0,91 g/cm³



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Relative vapour density

Not determined.

Particle characteristics

Not applicable.

9.2. Other information

No data available

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.



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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
dilithium adipate 18621-94-8 / 242-449-7	ATE	500 mg/kg	Oral
Reaction products of boric acid and lithium hydroxide / 701-475-3	ATE	500 mg/kg	Oral

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.

Contains Polysulfides, di-tert-dodecyl-. May produce an allergic reaction.

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.

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Aspiration hazard

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

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.

Product / Sub- stance name CAS / EC no.	Measurement type	Value / Result	Duration of expos- ure	Species	Method / Guideline
Polysulfides, di-tert- dodecyl- 68425-15-0 / 270- 335-7	LC50	> 100 mg/l	96 hours	Brachydanio rerio (Zebra Fish)	OECD 203

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	Bioconcentration factor (BCF)
Polysulfides, di-tert-dodecyl- 68425-15-0 / 270-335-7	> 12	< 1

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.



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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
12 01 12*	spent waxes and fats

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.

14.2. UN proper shipping name

ADR / RID / ADN proper shipping name

No dangerous goods in the sense of these transport regulations.



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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

Not applicable.

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 (VOC:): 0 %

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



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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

section 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15 Rev. 1.0 (2025-10-09)

Phrase meaning

Acute Tox. 4 - oral - Acute toxicity, oral, hazard category 4

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

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

Repr. 2 - Reproductive toxicity, hazard category 2

H302 Harmful if swallowed.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H361d Suspected of damaging the unborn child

EUH208 Contains Polysulfides, di-tert-dodecyl-. May produce an allergic reaction.

EUH210 Safety data sheet available on request.

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.