

**Safety data sheet***according to 1907/2006/EC, Article 31*

Printing date 02.01.2024

Version number 19 (replaces version 18)

Revision: 25.10.2023

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

- **1.1 Product identifier**
- **Grease EP00/000**
- **Article number:** 2900-0000-0010
- **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 for Industrial use

*** 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:**
The note EUH 210 may be omitted if the product is also delivered to the general public:
EUH208 Contains polysulfides, di-tert-dodecyl. May produce an allergic reaction.
EUH210 Safety data sheet available on request.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

*** SECTION 3: Composition/information on ingredients**

- **3.2 Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

· Dangerous components:

CAS: 84961-70-6	Benzene,mono-C10-C13-alkyl derivs.,distn.residues	50-100%
EINECS: 284-660-7	⚠ Asp. Tox. 1, H304	
Reg.nr.: 01-2119485843-26-0009	EUH066	

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CAS: 68425-15-0	polysulfides, di-tert-dodecyl	≥0.1-<1%
EINECS: 270-335-7	! Skin Sens. 1B, H317	
Reg.nr.: 01-2119540516-41-0000		

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

* SECTION 4: First aid measures

· 4.1 Description of first aid measures

· General information:

Remove contaminated clothing.

In case of persistent symptoms consult doctor.

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

· After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

· After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· After swallowing:

No neutralization attempt.

Do not induce vomiting.

Seek medical treatment.

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

Gastric or intestinal disorders

No further relevant information available.

· 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 agents:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

· **For safety reasons unsuitable extinguishing agents:** Water with full jet

· 5.2 Special hazards arising from the substance or mixture

In case of fire, the following can be released:

Carbon monoxide (CO)

carbon dioxide

Smoke

Under certain fire conditions, traces of other toxic gases cannot be excluded.

· 5.3 Advice for firefighters

Cool endangered containers with water spray from a safe distance.

Do not inhale explosion and combustion gases.

· **Protective equipment:** Wear self-contained respiratory protective device.

· Additional information

Cool endangered receptacles with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

Contain escaping vapors with water.

Pay attention to flashback.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Keep away from ignition sources.

Ensure adequate ventilation

· 6.2 Environmental precautions:

Do not allow to penetrate the ground/soil.

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Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

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

Dispose of the material collected according to regulations.

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.

* SECTION 7: Handling and storage

7.1 Precautions for safe handling

The usual precautionary measures when handling chemicals should be observed.

Information about fire - and explosion protection: No special actions required.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles: Store in a cool location.

Information about storage in one common storage facility: Store away from foodstuffs.

Further information about storage conditions:

Storage at + 0 to + 60 ° C.

Store in cool, dry conditions in well sealed receptacles.

Storage class: 11

7.3 Specific end use(s) See product information sheet !

* SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

DNELs

CAS: 68425-15-0 polysulfides, di-tert-dodecyl

Oral	DNEL Long-term, systemic effects	1.7 mg/kg bw/Tag (population)
Dermal	DNEL Long-term, systemic effects	16.7 mg/m ³ (population)
	DNEL Long-term, systemic effects	46.7 mg/kg bw/Tag (worker)
Inhalative	DNEL Long-term, systemic effects	32.9 mg/m ³ (worker)
		5.8 mg/m ³ (population)

PNECs

CAS: 68425-15-0 polysulfides, di-tert-dodecyl

PNEC sediment, fresh water	3.85 mg/kg (-)
PNEC sediment, sea water	0.385 mg/kg (-)

Additional information: The lists valid during the making were used as 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:

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Respiratory protection:

Not necessary if room is well-ventilated.

Use suitable respiratory protective device only when aerosol or mist is formed.

Exceeding the recommended exposure limits:

Respiratory protective device with combination filter (EN143 / EN 149): Typ P2 / FFP2

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Respirators and components must be tested and approved under appropriate government standards such as NIOSH. (U.S.) or CEN (EU).

· **Hand protection**



Recommendation: Chemical resistant protective gloves (EN 374)

· **Material of gloves**

Nitrile rubber, NBR

Chloroprene rubber, CR

Recommended thickness of the material: ≥ 0.4 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**

Value for the permeation: Level 6 = >480

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Supplementary note: The specifications are based on own tests, literature data and information of glove manufacturers, or is derived by analogy with similar substances. It should be noted, that the practical usage of a chemical-protective glove can in practice due to many influencing factors (eg temperature) may be considerably shorter than the permeation time determined through testing. Due to the large variety the instructions of the manufacturer must be observed.

· **Eye/face protection**



Use safety glasses according to EN 166 : 2001.

· **Body protection:**

Protective work clothing

Non-slip shoes recommended

* SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Physical state**

Solid

· **Colour:**

beige brown, transparent

· **Odour:**

Characteristic

· **Odour threshold:**

Not determined.

· **Melting point/freezing point:**

Undetermined.

· **Boiling point or initial boiling point and boiling range**

Undetermined.

· **Flammability**

Not determined.

· **Lower and upper explosion limit**

· **Lower:**

Not determined.

· **Upper:**

Not determined.

· **Flash point:**

Not applicable.

· **Decomposition temperature:**

Not determined.

· **pH**

Not applicable.

· **Viscosity:**

· **Kinematic viscosity**

Viscosity (base oil) 40 °C: 40 cSt

· **Dynamic:**

Not applicable.

· **Solubility**

· **water:**

Insoluble.

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· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure:	Not applicable.
· Density and/or relative density	
· Density:	Not determined.
· Relative density	Not determined.
· Vapour density	Not applicable.
· Particle characteristics	
See section 3.	
· 9.2 Other information	Penetration (60 Hübe): 435-450 mm/10
· Appearance:	
· Form:	Pasty
· 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	
· Drip point:	180 °C
· Evaporation rate	Not applicable.
· Information with regard to physical hazard classes	
· Explosives	Void
· Flammable gases	Void
· 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** No further relevant information available.
- **10.2 Chemical stability**
The product is chemically stable under normal ambient conditions (room temperature).
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid**
Avoid open flames.
No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

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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.

· LD/LC50 values relevant for classification:

CAS: 84961-70-6 Benzene,mono-C10-C13-alkyl derivs.,distn.residues

Oral	LD50	>2,000 mg/kg (rat)
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CAS: 68425-15-0 polysulfides, di-tert-dodecyl

Oral	LD50	>2,000 mg/kg (rat)
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Dermal	LD50	>2,000 mg/kg (rat) (OECD-402)
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· **Skin corrosion/irritation**

May cause allergic reactions.

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.

· **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.

· 11.2 Information on other hazards

· **Endocrine disrupting properties**

None of the ingredients is listed.

* SECTION 12: Ecological information

· 12.1 Toxicity

· **Aquatic toxicity:** No further relevant information available.

· **12.2 Persistence and degradability** No further relevant information available.

· **12.3 Bioaccumulative potential** No further relevant information available.

· **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**

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

· **Waste disposal key:**

The waste disposal keys mentioned show recommendations based on the intended use of this product. Due to the special use and disposal conditions of the user, other waste codes can also be assigned. (2014/955/EU)

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· European waste catalogue	
07 06 99	wastes not otherwise specified
12 01 12*	spent waxes and fats

· **Uncleaned packaging:**· **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

· 14.1 UN number or ID number · ADR, ADN, IMDG, IATA	Void
· 14.2 UN proper shipping name · ADR, ADN, IMDG, IATA	Void
· 14.3 Transport hazard class(es) · ADR, ADN, IMDG, IATA · Class	Void
· 14.4 Packing group · ADR, IMDG, IATA	Void
· 14.5 Environmental hazards: · Marine pollutant:	No
· 14.6 Special precautions for user	Not applicable.
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
· UN "Model Regulation":	Void

* 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.

· **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.

· **REGULATION (EU) 2019/1148**

· **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.

· **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.

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- **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**

H304 May be fatal if swallowed and enters airways.
 H317 May cause an allergic skin reaction.
 EUH066 Repeated exposure may cause skin dryness or cracking.

- **Department issuing SDS:** Department of product safety

- **Version number of previous version:** 18

- **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)
 DNEL: Derived No-Effect Level (REACH)
 PNEC: Predicted No-Effect Concentration (REACH)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative
 Skin Sens. 1B: Skin sensitisation – Category 1B
 Asp. Tox. 1: Aspiration hazard – Category 1

- **Sources**

Regulations:

REACH Regulation (EC) No 1907/2006 as last amended by Regulation (EU) No 2020/878

Internet:

<http://www.baua.de>

<http://www.arbeitssicherheit.de>

<http://www.dguv.de/ifa/de/gestis/stoffdb>

<http://logkow.cisti.nrc.ca>

<https://echa.europa.eu>

Regulation (EC) No 1272/2008, as last amended by Regulation (EC) No 2017/776

Ordinance on facilities for the handling of water-endangering substances of 21.04.2017 (WGK classification)

REGULATION (EU) 2015/830 of May, 28th 2015

- *** Data compared to the previous version altered.**