

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

### 1.1 Product identifier

**Gear oil**  
**Article number: 39070, 39071, 109672, 194480**

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

#### 1.2.1 Relevant uses

Gearbox oil

#### 1.2.2 Uses advised against

None known.

### 1.3 Details of the supplier of the safety data sheet

**Company** Ferdinand Bilstein GmbH + Co. KG  
Wilhelmstr. 47  
58256 Ennepetal / GERMANY  
Phone +49 2333 911-0  
Fax +49 2333 911-444  
Homepage [www.febi.com](http://www.febi.com)  
E-mail [info@febi.com](mailto:info@febi.com)

#### Address enquiries to

**Technical information** [info@febi.com](mailto:info@febi.com)  
**Safety Data Sheet** [info@febi.com](mailto:info@febi.com)

### 1.4 Emergency telephone number

**Advisory body** +49 (0)89-19240 (24h) (English)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture [REGULATION (GB) CLP]

No classification.

### 2.2 Label elements

The product is required to be labelled in accordance with regulation CLP.

**Hazard pictograms** none

**Signal word** none

**Hazard statements** none

**Precautionary statements** none

**Special labelling** EUH210 Safety data sheet available on request.

Contains: 4,4'-thiodiethylene hydrogen -2-octadecenylsuccinate. EUH208 May produce an allergic reaction.

### 2.3 Other hazards

**Human health dangers** If swallowed or in the event of vomiting, risk of product entering the lungs.  
Frequent persistent contact with the skin can cause skin irritation.

**Environmental hazards** Does not contain any PBT or vPvB substances.

**Other hazards** Further hazards were not determined with the current level of knowledge.

## SECTION 3: Composition / Information on ingredients

### 3.1 Substances

not applicable

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Date printed 11.04.2024, Revision 11.04.2024

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**3.2 Mixtures**

The product is a mixture.

Range [%]	Substance
20 - < 60	Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract)
	CAS: 64742-54-7, EINECS/ELINCS: 265-157-1, EU-INDEX: 649-467-00-8, Reg-No.: 01-2119484627-25-XXXX
	GHS/CLP: Asp. Tox. 1: H304
20 - < 50	Distillates (petroleum), hydrotreated light paraffinic
	CAS: 64742-55-8, EINECS/ELINCS: 265-158-7, EU-INDEX: 649-468-00-3, Reg-No.: 01-2119487077-29-XXXX
	GHS/CLP: Asp. Tox. 1: H304
1 - < 5	Isooctadecanoic acid, reaction products with tetraethylenepentamine
	CAS: 68784-17-8, EINECS/ELINCS: 272-225-4, Reg-No.: 01-2119960832-33-XXXX
	GHS/CLP: Skin Irrit. 2: H315 - Eye Irrit. 2: H319
0,1 - < 0,25	4,4'-thiodiethylene hydrogen -2-octadecenylsuccinate
	CAS: 93882-40-7, EINECS/ELINCS: 299-434-3, Reg-No.: 01-2120735527-50
	GHS/CLP: Skin Sens. 1: H317 - Eye Irrit. 2: H319 - Aquatic Chronic 2: H411

Comment on component parts

For full text of H-statements: see SECTION 16.

**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

General information

Take off contaminated clothing and wash before reuse.

Inhalation

Ensure supply of fresh air.  
In the event of symptoms seek medical treatment.

Skin contact

When in contact with the skin, clean with soap and water.  
Consult a doctor if skin irritation persists.

Eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
If eye irritation persists: Get medical advice/attention.

Ingestion

Seek medical advice immediately.  
Do not induce vomiting.

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

Irritant effects

**4.3 Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.  
If swallowed or in the event of vomiting, risk of product entering the lungs.  
Forward this sheet to your doctor.

**SECTION 5: Fire-fighting measures**

**5.1 Extinguishing media**

Suitable extinguishing media

Foam, dry powder, water spray jet, carbon dioxide.

Extinguishing media that must not be used

Full water jet.

**5.2 Special hazards arising from the substance or mixture**

Risk of formation of toxic pyrolysis products.

**5.3 Advice for firefighters**

Do not inhale explosion and/or combustion gases.  
Use self-contained breathing apparatus.

Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Some risk of slipping due to spillage of product.  
Forms slippery surfaces with water.

### 6.2 Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers).  
Do not discharge into the drains/surface waters/groundwater.

### 6.3 Methods and material for containment and cleaning up

Take up with absorbent material (e.g. oil binder).  
Dispose of absorbed material in accordance with the regulations.

### 6.4 Reference to other sections

See SECTION 8+13

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Avoid formation of aerosols.  
Use only in well-ventilated areas.  
The product is combustible.  
Do not eat, drink or smoke when using this product.  
After worktime and before work breaks the affected skin areas must be thoroughly cleaned.  
Use barrier skin cream.  
Cloths contaminated with product should not be kept in trouser pockets.  
Contaminated work clothing should not be allowed out of the workplace.  
Take off contaminated clothing and wash before reuse.

### 7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.  
Prevent penetration into the ground.  
Do not store together with food and animal food/diet.  
Keep container in a well-ventilated place.  
Keep container tightly closed.

### 7.3 Specific end use(s)

See product use, SECTION 1.2

**SECTION 8: Exposure controls / personal protection**

**8.1 Control parameters**

**Ingredients with occupational exposure limits to be monitored (UK)**

Substance
Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract)
CAS: 64742-54-7, EINECS/ELINCS: 265-157-1, EU-INDEX: 649-467-00-8, Reg-No.: 01-2119484627-25-XXXX
Long-term exposure: 5 mg/m <sup>3</sup> , oil mist
Short-term exposure (15-minute): 10 mg/m <sup>3</sup>
Distillates (petroleum), hydrotreated light paraffinic
CAS: 64742-55-8, EINECS/ELINCS: 265-158-7, EU-INDEX: 649-468-00-3, Reg-No.: 01-2119487077-29-XXXX
Long-term exposure: 5 mg/m <sup>3</sup> , ACGIH TLV (OIL MIST)

**Ingredients with occupational exposure limits to be monitored EU (2004/37/EG)**

not relevant

**DNEL**

Substance
Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7
Industrial, inhalative, Long-term - systemic effects, 2.73 mg/m <sup>3</sup>
Industrial, inhalative, Long-term - local effects, 5.58 mg/m <sup>3</sup>
Industrial, dermal, Long-term - systemic effects, 970 µg/kg bw/day
general population, inhalative, Long-term - local effects, 1.19 mg/m <sup>3</sup>
general population, oral, Long-term - systemic effects, 740 µg/kg bw/day
Distillates (petroleum), hydrotreated light paraffinic, CAS: 64742-55-8
Industrial, inhalative, Long-term - systemic effects, 2,73 mg/m <sup>3</sup>
Industrial, inhalative, Long-term - local effects, 5,58 mg/m <sup>3</sup>
Industrial, dermal, Long-term - systemic effects, 0,97 mg/kg bw/day
general population, oral, Long-term - systemic effects, 0,74 mg/kg bw/day
Isooctadecanoic acid, reaction products with tetraethylenepentamine, CAS: 68784-17-8
Industrial, inhalative, Long-term - systemic effects, 11,75 mg/m <sup>3</sup>
Industrial, dermal, Long-term - systemic effects, 3,33 mg/kg bw/day
general population, inhalative, Long-term - systemic effects, 2,9 mg/m <sup>3</sup>
general population, dermal, Long-term - systemic effects, 1,67 mg/kg bw/day
general population, oral, Long-term - systemic effects, 1,67 mg/kg bw/day
4,4'-thiodiethylene hydrogen -2-octadecenylsuccinate, CAS: 93882-40-7
Industrial, inhalative, Long-term - systemic effects, 3.526 mg/m <sup>3</sup> (AF= 75)
Industrial, dermal, Long-term - systemic effects, 2 mg/kg bw/d (AF= 300)
general population, oral, Long-term - systemic effects, 0.5 mg/kg bw/d (AF= 600)

**PNEC**

Substance
Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7
oral (food), 9,33 mg/kg
Distillates (petroleum), hydrotreated light paraffinic, CAS: 64742-55-8
oral (food), 9,33 mg/kg food
Isooctadecanoic acid, reaction products with tetraethylenepentamine, CAS: 68784-17-8
freshwater, 0.46 mg/L

sediment (seawater), 0,046 mg/L 0,46 mg/L 0,46 mg/L 0,46 mg/L
sewage treatment plants (STP), 1000 mg/L 0,46 mg/L 0,46 mg/L 0,46 mg/L
sediment (freshwater), 38100 mg/kg sediment dw 0,46 mg/L 0,46 mg/L 0,4
sediment (seawater), 3810 mg/kg sediment dw 0,46 mg/L 0,46 mg/L 0,46
soil, 10 mg/kg soil dw 0,46 mg/L 0,46 mg/L 0,46 mg/L
oral (food), 33,3 mg/kg food 0,46 mg/L 0,46 mg/L 0,46 mg/L
4,4'-thiodiethylene hydrogen -2-octadecenylsuccinate, CAS: 93882-40-7
freshwater, 0.009 mg/L (AF= 1000)
seawater, 0.001 mg/L (AF= 10 000)
sewage treatment plants (STP), 100 mg/L (AF= 10)
sediment (freshwater), 542 229.75 mg/kg dw
sediment (seawater), 54 222.98 mg/kg dw
soil, 259 870.48 mg/kg dw
oral (food), 20 mg/kg food (AF=300)

## 8.2 Exposure controls

<b>Additional advice on system design</b>	Ensure adequate ventilation on workstation. General exposure limit for oil mist should be noted. Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of hazardous substances.
<b>Eye protection</b>	Safety glasses. (EN 166:2001)
<b>Hand protection</b>	The details concerned are recommendations. Please contact the glove supplier for further information. > 0,4mm: Nitrile rubber, >120 min (EN 374-1/-2/-3). > 0,4mm: butyl rubber, > 120 min (EN 374)
<b>Skin protection</b>	light protective clothing
<b>Other</b>	Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier. Do not inhale gases/vapours/aerosols. Avoid contact with eyes and skin.
<b>Respiratory protection</b>	Breathing apparatus in the event of aerosol or mist formation. Short term: filter apparatus, combination filter A-P2. (DIN EN 14387)
<b>Thermal hazards</b>	No information available.
<b>Delimitation and monitoring of the environmental exposition</b>	Comply with applicable environmental regulations limiting discharge to air, water and soil.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state	liquid
Form	liquid
Color	light yellow
Odor	characteristic
Odour threshold	No information available.
pH-value	not applicable
pH-value [1%]	not applicable
Boiling point or initial boiling point and boiling range [°C]	No information available.
Flash point [°C]	215
Flammability	Not explosive.
Lower explosion limit	No information available.
Upper explosion limit	No information available.
Oxidising properties	no
Vapour pressure/gas pressure [kPa]	No information available.
Density [g/cm <sup>3</sup> ]	0,84 (DIN 51757) (15 °C / 59,0 °F)
Relative density	not determined
Bulk density [kg/m <sup>3</sup> ]	not applicable
Solubility in water	virtually insoluble
Solubility other solvents	No information available.
Partition coefficient n-octanol/water (log value)	No information available.
Kinematic viscosity	33,2 mm <sup>2</sup> /s 40°C (DIN 51562)
Relative vapour density	No information available.
Melting point [°C]	No information available.
Auto-ignition temperature [°C]	not applicable
Decomposition temperature [°C]	No information available.
Particle characteristics	No information available.

### 9.2 Other information

none

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No dangerous reactions known if used as directed.

### 10.2 Chemical stability

The product is stable under standard conditions.

### 10.3 Possibility of hazardous reactions

No hazardous reactions known.

### 10.4 Conditions to avoid

No special measures necessary.

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Date printed 11.04.2024, Revision 11.04.2024

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### **10.5 Incompatible materials**

Oxidizing agent  
Strong basic compounds  
Strong acids.

### **10.6 Hazardous decomposition products**

No hazardous decomposition products known.

## SECTION 11: Toxicological information

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

#### Acute oral toxicity

Product
ATE-mix, oral, > 5000 mg/kg bw
Substance
Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7
LD50, oral, Rat, 5000 mg/kg bw
Distillates (petroleum), hydrotreated light paraffinic, CAS: 64742-55-8
LD50, oral, Rat, 5000 mg/kg bw
Isooctadecanoic acid, reaction products with tetraethylenepentamine, CAS: 68784-17-8
LD50, oral, Rat, >5000 mg/kg bw (OECD 401) >5000 mg/kg bw (OECD 40)
4,4'-thiodiethylene hydrogen -2-octadecenylsuccinate, CAS: 93882-40-7
LD50, oral, Rat, > 10 000 mg/kg bw

#### Acute dermal toxicity

Product
dermal, Based on the available information, the classification criteria are not fulfilled.
Substance
Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7
LD50, dermal, Rabbit, 2000 - 5 00 mg/kg bw
Distillates (petroleum), hydrotreated light paraffinic, CAS: 64742-55-8
LD50, dermal, Rabbit, > 2000 - 5000 mg/kg bw
Isooctadecanoic acid, reaction products with tetraethylenepentamine, CAS: 68784-17-8
LD50, dermal, Rabbit, >2000 mg/kg bw (OECD 402) >5000 mg/kg bw (OECD 40)

#### Acute inhalational toxicity

Product
inhalative, Based on the available information, the classification criteria are not fulfilled.
Substance
Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7
LC50, inhalative, Rat, 2,18 - 5,53 mg/L air, 4h
Distillates (petroleum), hydrotreated light paraffinic, CAS: 64742-55-8
LC50, inhalative, Rat, 2,18 - 5,53 mg/L air 4h, 4h

**Serious eye damage/irritation** Based on the available information, the classification criteria are not fulfilled.

Substance
Distillates (petroleum), hydrotreated light paraffinic, CAS: 64742-55-8
Eye, non-irritating

**Skin corrosion/irritation** Based on the available information, the classification criteria are not fulfilled.

Substance
Distillates (petroleum), hydrotreated light paraffinic, CAS: 64742-55-8



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dermal, non-irritating

**Respiratory or skin sensitisation** Based on the available information, the classification criteria are not fulfilled.  
May produce an allergic reaction.  
Calculation method

Substance  
Distillates (petroleum), hydrotreated light paraffinic, CAS: 64742-55-8  
dermal, non-sensitizing

**Specific target organ toxicity — single exposure** Based on the available information, the classification criteria are not fulfilled.

Substance  
Distillates (petroleum), hydrotreated light paraffinic, CAS: 64742-55-8  
inhalative, no adverse effect observed

**Specific target organ toxicity — repeated exposure** Based on the available information, the classification criteria are not fulfilled.

Substance  
Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7  
NOAEL, dermal, Rat, 30 - 2000 mg/kg bw/day  
NOAEL, dermal, Rabbit, 1000 mg/kg bw/day  
NOAEC, inhalative, Rat, 980 mg/m<sup>3</sup> air  
LOAEL, oral, Rat, 125 mg/kg bw/day  
Distillates (petroleum), hydrotreated light paraffinic, CAS: 64742-55-8  
NOAEC, inhalative, Rat, 980 mg/m<sup>3</sup> (subacute), no adverse effect observed  
LOAEL, oral, Rat, 125 mg/kg bw/day, The effects observed are not sufficient for classification.  
LOAEL, dermal, mouse, 100 mg/kg bw/day (chronic), The effects observed are not sufficient for classification.

**Mutagenicity** Based on the available information, the classification criteria are not fulfilled.

Substance  
Distillates (petroleum), hydrotreated light paraffinic, CAS: 64742-55-8  
in vitro, negativ

**Reproduction toxicity** Based on the available information, the classification criteria are not fulfilled.

**- Fertility**

Substance  
Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7  
NOAEL, oral, Rat, 1000 mg/kg bw/d (Effect on fertility), no adverse effect observed  
Distillates (petroleum), hydrotreated light paraffinic, CAS: 64742-55-8  
NOAEL, oral, Rat, 1000 mg/kg bw/d, no adverse effect observed

**- Development**

Substance  
Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7  
NOAEL, oral, Rat, 1000 mg/kg bw/d (Effect on fertility), no adverse effect observed

**Carcinogenicity** Based on the available information, the classification criteria are not fulfilled.

**Aspiration hazard** Based on the available information, the classification criteria are not fulfilled.  
On basis of test data

**General remarks**

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Toxicological data of complete product are not available.  
 The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions, experts for occupational health and safety and toxicologists. The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

**11.2 Information on other hazards**

- 11.2.1 Endocrine disrupting properties Contains no ingredients with endocrine-disrupting properties.
- 11.2.2 Other information none

**SECTION 12: Ecological information**

**12.1 Toxicity**

Product
Based on the available information, the classification criteria are not fulfilled.
Substance
Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7
EL50, (48h), Invertebrates, 10 g/L
NOELR, (14d), fish, 1 mg/L
LL50, (96h), Invertebrates, 10 g/L
LL50, (96h), fish, 100 mg/L
Distillates (petroleum), hydrotreated light paraffinic, CAS: 64742-55-8
NOELR, (14d), fish, 1 g/L
LL50, (96h), Invertebrates, 10 g/L
LL50, (96h), fish, 100 mg/L
Isooctadecanoic acid, reaction products with tetraethylenepentamine, CAS: 68784-17-8
LC50, (96h), Pimephales promelas, >1000 mg/L (OECD 203) >1000 mg/L (OECD 203)
EC50, (48h), Daphnia magna, >1000 mg/L (OECD 202) >1000 mg/L (OECD 203)
EC50, (96h), Pseudokirchneriella subcapitata, 44 mg/L (OECD 201) >1000 mg/L (OECD 203)
EL50, (14d), Daphnia magna, 72 mg/L (OECD 211) >1000 mg/L (OECD 203)
4,4'-thiodiethylene hydrogen -2-octadecenylsuccinate, CAS: 93882-40-7
LC50, (96h), fish, > 100 mg/l (OECD 203)
EL50, (48h), Daphnia magna, 9,5 mg/l (OECD 202)
EL50, (72h), Algae, > 100 mg/l (OECD 201)

**12.2 Persistence and degradability**

- Behaviour in environment compartments not determined
- Behaviour in sewage plant not determined
- Biological degradability not determined

**12.3 Bioaccumulative potential**

No information available.

**12.4 Mobility in soil**

No information available.

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**12.5 Results of PBT and vPvB assessment**

Based on all available information not to be classified as PBT or vPvB respectively.

**12.6 Endocrine disrupting properties**

Contains no ingredients with endocrine-disrupting properties.

**12.7 Other adverse effects**

Ecological data of complete product are not available.

Do not discharge product unmonitored into the environment or into the drainage.

The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

**Product**

Disposal in an incineration plant in accordance with the regulations of the local authorities.  
In according to RoHS!

**Waste no. (recommended)**

130205\* mineral-based non-chlorinated engine, gear and lubricating oils

**Contaminated packaging**

Uncontaminated packaging may be taken for recycling.  
Packaging that cannot be cleaned should be disposed of as for product.

**Waste no. (recommended)**

150110\* packaging containing residues of or contaminated by hazardous substances  
150102  
150104

**SECTION 14: Transport information**

**14.1 UN number or ID number**

**Transport by land according to ADR/RID** not applicable

**Inland navigation (ADN)** not applicable

**Marine transport in accordance with IMDG** not applicable

**Air transport in accordance with IATA** not applicable

**14.2 UN proper shipping name**

**Transport by land according to ADR/RID** NO DANGEROUS GOODS

**Inland navigation (ADN)** NO DANGEROUS GOODS

**Marine transport in accordance with IMDG** NOT CLASSIFIED AS "DANGEROUS GOODS"

**Air transport in accordance with IATA** NOT CLASSIFIED AS "DANGEROUS GOODS"

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**14.3 Transport hazard class(es)**

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

**14.4 Packing group**

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

**14.5 Environmental hazards**

Transport by land according to ADR/RID no

Inland navigation (ADN) no

Marine transport in accordance with IMDG no

Air transport in accordance with IATA no

**14.6 Special precautions for user**

Relevant information under SECTION 6 to 8.

**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

<b>EEC-REGULATIONS</b>	2008/98/EG (2000/532/EC ); 2010/75/EU; 2004/42/EG; (EG) 648/2004; (EC) 1907/2006 (REACH); (EU) 1272/2008; 75/324/EEG ((EC) 2016/2037); (EU) 2020/878; (EU) 2016/131; (EU) 517/2014; (EU) 2019/1148; (EU) 2019/1021, (EU) 2023/707
- <b>Comment on component parts</b>	Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.
- <b>Annex I (REACH)</b>	The product is not subject to Annex I restrictions.
- <b>Annex XIV (REACH)</b>	According to Annex XIV of Regulation (EC) 1907/2006 (REACH) the product does not contain any substances $\geq 0.1\%$ that are subject to authorisation.
- <b>Annex XVII (REACH)</b>	According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product contains $\geq 0.1\%$ of substances with the following restrictions. 75 According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product is not subject to any restrictions.
<b>TRANSPORT-REGULATIONS</b>	ADR (2023); IMDG-Code (2023, 41. Amdt.); IATA-DGR (2024)
<b>NATIONAL REGULATIONS (UK):</b>	EH40/2005 Workplace exposure limits (Second edition, published December 2011); UK REACH; GB CLP.
- <b>Observe employment restrictions for people</b>	no
- <b>VOC (2010/75/CE)</b>	0 %

### 15.2 Chemical safety assessment

not applicable

## SECTION 16: Other information

### 16.1 Hazard statements (SECTION 3)

H315 Causes skin irritation.  
H304 May be fatal if swallowed and enters airways.  
  
H411 Toxic to aquatic life with long lasting effects.  
H319 Causes serious eye irritation.  
H317 May cause an allergic skin reaction.

## 16.2 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route  
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses  
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure  
ATE = acute toxicity estimate  
CAS = Chemical Abstracts Service  
CLP = Classification, Labelling and Packaging  
DMEL = Derived Minimum Effect Level  
DNEL = Derived No Effect Level  
EC50 = Median effective concentration  
ECB = European Chemicals Bureau  
EEC = European Economic Community  
EINECS = European Inventory of Existing Commercial Chemical Substances  
EL50 = Median effective loading  
ELINCS = European List of Notified Chemical Substances  
EmS = Emergency Schedules  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
IATA = International Air Transport Association  
IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
IC50 = Inhibition concentration, 50%  
IMDG = International Maritime Code for Dangerous Goods  
IUCLID = International Uniform Chemical Information Database  
IVIS = In vitro irritation score  
LC50 = Lethal concentration, 50%  
LD50 = Median lethal dose  
LC0 = lethal concentration, 0%  
LOAEL = lowest-observed-adverse-effect level  
LL50 = Median lethal loading  
LQ = Limited Quantities  
MARPOL = International Convention for the Prevention of Marine Pollution from Ships  
NOAEL = No Observed Adverse Effect Level  
NOEC = No Observed Effect Concentration  
PBT = Persistent, Bioaccumulative and Toxic substance  
PNEC = Predicted No-Effect Concentration  
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals  
STP = Sewage Treatment Plant  
TLV@TWA = Threshold limit value – time-weighted average  
TLV@STEL = Threshold limit value – short-time exposure limit  
VOC = Volatile Organic Compounds  
vPvB = very Persistent and very Bioaccumulative

## 16.3 Other information

### Classification procedure

Modified position none