

## Safety Data Sheet

according to UK REACH Regulation

### Bergolin LEP 6D1100, RAL7035

Revision date: 18.06.2025

Product code: A1019253

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

### 1.1. Product identifier

Bergolin LEP 6D1100, RAL7035

Product group: Produkt  
UFI: FYMK-40WQ-R1JJ-KYY5

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

#### Use of the substance/mixture

pigmented topcoat

#### Uses advised against

No information available.

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

Company name: Bergolin GmbH & Co. KG  
Street: Sachsenring 1  
Place: D-27711 Osterholz-Scharmbeck  
Telephone: +49 4795 95899 0  
e-mail: info@bergolin.de  
Contact person: Gefahrstoffmanagement  
e-mail: sdb@bergolin.de  
Internet: www.bergolin.de  
Responsible Department: Sicherheitsdatenblattverwaltung

### 1.4. Emergency telephone number:

+49 4795 95899 0  
Only available during office hours. ( 8-16 CET )

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### GB CLP Regulation

Skin Sens. 1; H317  
Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

### 2.2. Label elements

#### GB CLP Regulation

#### Hazard components for labelling

tetraethyl N,N'-(methylenedicyclohexane-4,1-diyl)bis-DL-aspartate fumarate  
reaction mass of alpha-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-omega-hydroxypoly(oxyethylene) and alpha-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-omega-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene)  
Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate  
Poly(oxy-1,2-ethanediyl),a-hydro-w-hydroxy- Ethane-1,2-diol, ethoxylated

Signal word: Warning

Pictograms:



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#### Hazard statements

- H317 May cause an allergic skin reaction.  
H412 Harmful to aquatic life with long lasting effects.

#### Precautionary statements

- P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.  
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.  
P362+P364 Take off contaminated clothing and wash it before reuse.

#### 2.3. Other hazards

No information available.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Chemical characterization

polyurethane system

##### Hazardous components

| CAS No       | Chemical name                                                                                                                                                                                                                                                                                      |              |                  | Quantity    |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------|-------------|
|              | EC No                                                                                                                                                                                                                                                                                              | Index No     | REACH No         |             |
|              | Classification (GB CLP Regulation)                                                                                                                                                                                                                                                                 |              |                  |             |
| 136210-30-5  | tetraethyl N,N'-(methylenedicyclohexane-4,1-diyl)bis-DL-aspartate                                                                                                                                                                                                                                  |              |                  | 40 - < 45 % |
|              | 429-270-1                                                                                                                                                                                                                                                                                          |              | 01-0000017556-64 |             |
|              | Skin Sens. 1, Aquatic Chronic 3; H317 H412                                                                                                                                                                                                                                                         |              |                  |             |
| 623-91-6     | fumarate                                                                                                                                                                                                                                                                                           |              |                  | 1 - < 5 %   |
|              | 210-819-7                                                                                                                                                                                                                                                                                          |              |                  |             |
|              | Acute Tox. 4, Skin Irrit. 2, Skin Sens. 1, STOT SE 3; H302 H315 H317 H335                                                                                                                                                                                                                          |              |                  |             |
| -            | reaction mass of alpha-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-omega-hydroxypoly(oxyethylene) and alpha-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-omega-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene) |              |                  | 1 - < 5 %   |
|              | 400-830-7                                                                                                                                                                                                                                                                                          | 607-176-00-3 |                  |             |
|              | Skin Sens. 1, Aquatic Chronic 2; H317 H411                                                                                                                                                                                                                                                         |              |                  |             |
| 1065336-91-5 | Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate                                                                                                                                                                             |              |                  | < 1 %       |
|              | 915-687-0                                                                                                                                                                                                                                                                                          |              | 01-2119491304-40 |             |
|              | Repr. 2, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1; H361 H317 H400 H410                                                                                                                                                                                                                     |              |                  |             |
| 25322-68-3   | Poly(oxy-1,2-ethanediyl),a-hydro-w-hydroxy- Ethane-1,2-diol, ethoxylated                                                                                                                                                                                                                           |              |                  | < 1 %       |
|              | 500-038-2                                                                                                                                                                                                                                                                                          |              |                  |             |
|              | Skin Sens. 1, Aquatic Chronic 2; H317 H411                                                                                                                                                                                                                                                         |              |                  |             |

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

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### Specific Conc. Limits, M-factors and ATE

| CAS No       | EC No     | Chemical name                                                                                                          | Quantity    |
|--------------|-----------|------------------------------------------------------------------------------------------------------------------------|-------------|
|              |           | Specific Conc. Limits, M-factors and ATE                                                                               |             |
| 136210-30-5  | 429-270-1 | tetraethyl N,N'-(methylenedicyclohexane-4,1-diyl)bis-DL-aspartate                                                      | 40 - < 45 % |
|              |           | dermal: LD50 = >2000 mg/kg; oral: LD50 = >2000 mg/kg                                                                   |             |
| 623-91-6     | 210-819-7 | fumarate                                                                                                               | 1 - < 5 %   |
|              |           | oral: ATE = 500 mg/kg                                                                                                  |             |
| 1065336-91-5 | 915-687-0 | Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate | < 1 %       |
|              |           | dermal: LD50 = >3000 mg/kg; oral: LD50 = >3000 mg/kg                                                                   |             |

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

When in doubt or if symptoms are observed, get medical advice.  
Never give anything by mouth to an unconscious person or a person with cramps.  
If unconscious place in recovery position and seek medical advice.  
In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

#### After inhalation

Remove casualty to fresh air and keep warm and at rest.  
If breathing is irregular or stopped, administer artificial respiration.

#### After contact with skin

Take off immediately all contaminated clothing and wash it before reuse.  
After contact with skin, wash immediately with plenty of water and soap.  
Do not wash with: Solvents/Thinner.

#### After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing.  
Seek medical advice immediately.

#### After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Let water be drunken in little sips (dilution effect).  
Put victim at rest, cover with a blanket and keep warm.  
Do NOT induce vomiting.

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

No information available.

### 4.3. Indication of any immediate medical attention and special treatment needed

First Aid, decontamination, treatment of symptoms.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

alcohol resistant foam, Carbon dioxide (CO<sub>2</sub>), Extinguishing powder, Water mist

#### Unsuitable extinguishing media

Full water jet

### 5.2. Special hazards arising from the substance or mixture

Burning produces heavy smoke.  
Hazardous decomposition products: carbon black. Health hazard.  
Use appropriate respiratory protection.

**5.3. Advice for firefighters**

Use water spray jet to protect personnel and to cool endangered containers.  
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.  
In case of fire: Wear self-contained breathing apparatus. Protective clothing.

**Additional information**

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

**SECTION 6: Accidental release measures**

**6.1. Personal precautions, protective equipment and emergency procedures**

**General advice**

Keep away from sources of ignition - No smoking. Ventilate affected area.  
Avoid breathing dust/fume/gas/mist/vapours/spray.  
Avoid contact with skin, eyes and clothes.  
Safe handling: see section 7  
Personal protection equipment: see section 8

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.  
In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

**6.3. Methods and material for containment and cleaning up**

**Other information**

Prevent spread over a wide area (e.g. by containment or oil barriers). Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).  
Collect in closed and suitable containers for disposal. Disposal: see section 13  
Clean with detergents. Avoid solvent cleaners.

**6.4. Reference to other sections**

Safe handling: see section 7  
Personal protection equipment: see section 8  
Disposal: see section 13

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

**Advice on safe handling**

Wear protective gloves/protective clothing. See section 8.  
Avoid contact with skin, eyes and clothes. Avoid: Inhalation of vapours or spray/mists, Inhalation of dust/particles. When using do not eat, drink, smoke, sniff.

Never use pressure to empty container. Keep/Store only in original container.

Do not allow to enter into surface water or drains.

Persons with a history of skin sensitisation problems should not be employed in any process in which this product is used.

**Advice on protection against fire and explosion**

Usual measures for fire prevention.

**Advice on general occupational hygiene**

When using do not eat, drink, smoke, sniff. Only wear fitting, comfortable and clean protective clothing. Wash hands and face before breaks and after work and take a shower if necessary. Avoid contact with skin, eyes and clothes. Make available sufficient washing facilities

**Further information on handling**

Take off immediately all contaminated clothing and wash it before reuse.

**7.2. Conditions for safe storage, including any incompatibilities**

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#### Requirements for storage rooms and vessels

Store in accordance with: Betriebssicherheitsverordnung (BetrSichV).

#### Hints on joint storage

Do not store together with: Oxidizing agent, Strong acid, Strong alkali,  
Food and feedingstuffs

#### Further information on storage conditions

Notice the directions for use on the label.

Keep container tightly closed in a cool, well-ventilated place. Protect from sunlight. Keep away from sources of ignition - No smoking. Store in a place accessible by authorized persons only. Always close containers tightly after the removal of product.

#### 7.3. Specific end use(s)

No information available.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Exposure limits (EH40)

| CAS No    | Substance                       | ppm | mg/m <sup>3</sup> | fibres/ml | Category  | Origin |
|-----------|---------------------------------|-----|-------------------|-----------|-----------|--------|
| 7727-43-7 | Barium sulphate, inhalable dust | -   | 10                |           | TWA (8 h) | WEL    |
| 1317-65-3 | Calcium carbonate, respirable   | -   | 4                 |           | TWA (8 h) | WEL    |

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#### DNEL/DMEL values

| CAS No                   | Substance                                                                                                              |                |          |                    |
|--------------------------|------------------------------------------------------------------------------------------------------------------------|----------------|----------|--------------------|
| DNEL type                |                                                                                                                        | Exposure route | Effect   | Value              |
| 136210-30-5              | tetraethyl N,N'-(methylenedicyclohexane-4,1-diyl)bis-DL-aspartate                                                      |                |          |                    |
| Worker DNEL, acute       |                                                                                                                        | inhalation     | systemic | 112 mg/m³          |
| Worker DNEL, long-term   |                                                                                                                        | inhalation     | systemic | 28 mg/m³           |
| Worker DNEL, long-term   |                                                                                                                        | dermal         | systemic | 4 mg/kg bw/day     |
| Consumer DNEL, acute     |                                                                                                                        | inhalation     | systemic | 4,8 mg/m³          |
| Consumer DNEL, acute     |                                                                                                                        | dermal         | systemic | 1,4 mg/kg bw/day   |
| Consumer DNEL, acute     |                                                                                                                        | oral           | systemic | 1,4 mg/kg bw/day   |
| Consumer DNEL, long-term |                                                                                                                        | inhalation     | systemic | 4,8 mg/m³          |
| Consumer DNEL, long-term |                                                                                                                        | dermal         | systemic | 1,4 mg/kg bw/day   |
| Consumer DNEL, long-term |                                                                                                                        | oral           | systemic | 1,4 mg/kg bw/day   |
| 7727-43-7                | barium sulfate                                                                                                         |                |          |                    |
| Worker DNEL, long-term   |                                                                                                                        | inhalation     | systemic | 10 mg/m³           |
| Worker DNEL, long-term   |                                                                                                                        | inhalation     | local    | 10 mg/m³           |
| Consumer DNEL, long-term |                                                                                                                        | inhalation     | systemic | 10 mg/m³           |
| Consumer DNEL, long-term |                                                                                                                        | oral           | systemic | 13000 mg/kg bw/day |
| 1065336-91-5             | Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate |                |          |                    |
| Consumer DNEL, long-term |                                                                                                                        | oral           | systemic | 0,18 mg/kg bw/day  |
| Consumer DNEL, long-term |                                                                                                                        | dermal         | systemic | 0,9 mg/kg bw/day   |
| Worker DNEL, long-term   |                                                                                                                        | dermal         | systemic | 1,8 mg/kg bw/day   |
| Consumer DNEL, long-term |                                                                                                                        | inhalation     | systemic | 0,31 mg/m³         |
| Worker DNEL, long-term   |                                                                                                                        | inhalation     | systemic | 1,27 mg/m³         |

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#### PNEC values

| CAS No                    | Substance                                                                                                              |               |
|---------------------------|------------------------------------------------------------------------------------------------------------------------|---------------|
| Environmental compartment |                                                                                                                        | Value         |
| 136210-30-5               | tetraethyl N,N'-(methylenedicyclohexane-4,1-diyl)bis-DL-aspartate                                                      |               |
| Freshwater                |                                                                                                                        | 0,00013 mg/l  |
| Marine water              |                                                                                                                        | 0,000013 mg/l |
| Freshwater sediment       |                                                                                                                        | 0,21 mg/kg    |
| Marine sediment           |                                                                                                                        | 0,02 mg/kg    |
| Soil                      |                                                                                                                        | 0,1 mg/kg     |
| 7727-43-7                 | barium sulfate                                                                                                         |               |
| Freshwater                |                                                                                                                        | 0,115 mg/l    |
| Freshwater sediment       |                                                                                                                        | 600,4 mg/kg   |
| Soil                      |                                                                                                                        | 207,7 mg/kg   |
| 1065336-91-5              | Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate |               |
| Freshwater                |                                                                                                                        | 0,0022 mg/l   |
| Marine water              |                                                                                                                        | 0,00022 mg/l  |
| Marine sediment           |                                                                                                                        | 0,11 mg/kg    |
| Soil                      |                                                                                                                        | 0,21 mg/kg    |

#### 8.2. Exposure controls

##### Appropriate engineering controls

Provide adequate ventilation.

If handled uncovered, arrangements with local exhaust ventilation should be used if possible.

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

##### Individual protection measures, such as personal protective equipment

##### Eye/face protection

Wear eye protection/face protection.

goggles Eye glasses with side protection

##### Hand protection

Wear protective gloves. Replace when worn. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Observe the wear time limits as specified by the manufacturer.

Suitable material: butyl rubber or Viton (necessarily consider the permanence of the material and See information supplied by the manufacturer.)

Breakthrough time (maximum wearing time): \_\_\_\_ min.

Use protective skin cream before handling the product.

##### Skin protection

Wear anti-static footwear and clothing Suitable material: Natural fibres (e.g. cotton) / heat-resistant synthetic fibres.

##### Respiratory protection

Usually no personal respirative protection necessary.

Respiratory protection necessary at: exceeding exposure limit values.

Suitable respiratory protection apparatus: Combination filter A-P2

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For work in pits and tanks: Combination filter A-P4

**Environmental exposure controls**

Do not allow to enter into surface water or drains.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

|                 |                |
|-----------------|----------------|
| Physical state: | liquid         |
| Colour:         | grey           |
| Odour:          | characteristic |

**Test method****Changes in the physical state**

Melting point/freezing point: not determined

Boiling point or initial boiling point and boiling range: &gt;230 °C

Flash point: 100 °C DIN 53213

**Flammability**

Solid/liquid: not determined

Gas: not determined

**Explosive properties**

No information available.

Auto-ignition temperature: 375 °C

Flow time:  
(at 20 °C) > 100 6 DIN EN ISO 2431

Water solubility: not determined

**Solubility in other solvents**

not determined

Partition coefficient n-octanol/water: not determined

Vapour pressure:  
(at 20 °C) <0,00002 hPaDensity (at 20 °C): 1,46 g/cm<sup>3</sup> DIN 53217**9.2. Other information****Information with regard to physical hazard classes**

Sustaining combustion: No data available

Oxidizing properties

No information available.

**Other safety characteristics**

Solvent separation test: &lt;3 % (Land transport (ADR/RID))

Solvent content: 0,09 %

Solid content: 99,91 %

**Further Information****SECTION 10: Stability and reactivity****10.1. Reactivity**

No information available.

**10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.





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### Practical experience

Following inhalation:

Adverse human health effects and symptoms: May cause respiratory irritation. May cause damage to liver if inhaled. May cause damage to kidneys if inhaled. Depression of central nervous system.

Symptoms: Headache, Dizziness, Drowsiness, Unconsciousness

After eye contact:

Irritating to eyes. (reversible.)

After ingestion:

Symptoms: Nausea, Vomiting, Gastrointestinal complaints

Following skin contact:

May be absorbed through the skin. Frequently or prolonged contact with skin may cause dermal irritation. Has degreasing effect on the skin.

### Further information

There are no data available on the preparation/mixture itself.

## SECTION 12: Ecological information

### 12.1. Toxicity

| CAS No       | Chemical name                                                                                                          |                |           |                                |        |        |
|--------------|------------------------------------------------------------------------------------------------------------------------|----------------|-----------|--------------------------------|--------|--------|
|              | Aquatic toxicity                                                                                                       | Dose           | [h]   [d] | Species                        | Source | Method |
| 136210-30-5  | tetraethyl N,N'-(methylenedicyclohexane-4,1-diyl)bis-DL-aspartate                                                      |                |           |                                |        |        |
|              | Acute fish toxicity                                                                                                    | LC50 66 mg/l   | 96 h      | Danio rerio                    |        |        |
|              | Acute crustacea toxicity                                                                                               | EC50 88,6 mg/l | 48 h      | Daphnia magna                  |        |        |
| 1065336-91-5 | Reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate |                |           |                                |        |        |
|              | Acute fish toxicity                                                                                                    | LC50 0,9 mg/l  | 96 h      | Brachydanio rerio (zebra-fish) |        |        |

### 12.2. Persistence and degradability

No information available.

### 12.3. Bioaccumulative potential

No information available.

### 12.4. Mobility in soil

No information available.

### 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.  
not applicable

### 12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

### 12.7. Other adverse effects

No information available.

### Further information

There are no data available on the mixture itself.  
Do not allow to enter into surface water or drains.

## SECTION 13: Disposal considerations

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**13.1. Waste treatment methods****Disposal recommendations**

Do not allow to enter into surface water or drains.

Recycle according to official regulations.

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

**List of Wastes Code - residues/unused products**

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other hazardous substances; hazardous waste

**Contaminated packaging**

Completely emptied packages can be recycled.

Recycle according to official regulations.

**SECTION 14: Transport information****Land transport (ADR/RID)****14.2. UN proper shipping name:**

No dangerous good in sense of this transport regulation.

**Marine transport (IMDG)****14.1. UN number or ID number:**

No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:**

No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

**14.4. Packing group:**

No dangerous good in sense of this transport regulation.

**Air transport (ICAO-TI/IATA-DGR)****14.1. UN number or ID number:**

No dangerous good in sense of this transport regulation.

**14.2. UN proper shipping name:**

No dangerous good in sense of this transport regulation.

**14.3. Transport hazard class(es):**

No dangerous good in sense of this transport regulation.

**14.4. Packing group:**

No dangerous good in sense of this transport regulation.

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**14.6. Special precautions for user**

No dangerous good in sense of this transport regulation.

**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 regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 75

2010/75/EU (VOC):

0,087 % (1,264 g/l)

Information according to 2012/18/EU (SEVESO III):

Not subject to 2012/18/EU (SEVESO III)

**National regulatory information**

Employment restrictions:

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water hazard class (D):

3 - highly hazardous to water

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**Additional information**

Observe in addition any national regulations!

**15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

**SECTION 16: Other information****Changes**

This data sheet contains changes from the previous version in section(s): 2,9,15.

**Abbreviations and acronyms**

ADR - Accord européen relatif transport des marchandises dangereuses par route ATE - Acute Toxicity Estimate / Schätzwert akuter Toxizität; BCF - Biokonzentrationsfaktor (Bio-Concentration Factor); CAS - Chemical Abstracts Service; CLP - Regulation on Classification, Labelling and Packaging of Substances and Mixtures; CMR - Carcinogenität, Mutagenität, Reproduktionstoxizität; ECHA - European Chemicals Agency / Europäische Chemikalienagentur (in Helsinki); EC50 - Effective Concentration 50%; ErC50 - Average specific growth rate; EINECS - European Inventory of Existing Commercial Chemical Substances; DNEL - „Derived No-Effect Level“; IATA - International Air Transport Association; IMDG - International Maritime Dangerous Goods Code; LC50 - Lethal Concentration 50%; LD50 - Lethal dose 50%; NOAEC/L - No Observed Adverse Effect Concentration / Level; NOEC - No Observed Effect Concentration; OECD - Organization for Economic Cooperation and Development; PBT - Persistent, Bioaccumulative, Toxic (persistent, bioakkumulativ, toxisch); PNEC - Predicted No Effect Concentration; REACH - Registration, Evaluation and Authorization of Chemicals; RID - Règlement International concernant le transport de marchandises dangereuses par chemin de fer; SCL - Specific Concentration Level; STOT - Specific Target Organ Toxicity; SVHC - Stoff sehr hoher Besorgnis (Substance of Very High Concern); VOC - Volatile Organic Compounds; WGK - Wassergefährdungsklasse

**Classification for mixtures and used evaluation method according to GB CLP Regulation**

| Classification          | Classification procedure |
|-------------------------|--------------------------|
| Skin Sens. 1; H317      | Calculation method       |
| Aquatic Chronic 3; H412 | Calculation method       |

**Relevant H and EUH statements (number and full text)**

|      |                                                       |
|------|-------------------------------------------------------|
| H302 | Harmful if swallowed.                                 |
| H315 | Causes skin irritation.                               |
| H317 | May cause an allergic skin reaction.                  |
| H335 | May cause respiratory irritation.                     |
| H361 | Suspected of damaging fertility or the unborn child.  |
| H400 | Very toxic to aquatic life.                           |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H411 | Toxic to aquatic life with long lasting effects.      |
| H412 | Harmful to aquatic life with long lasting effects.    |

**Further Information**

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*