## Super Block M 50ml

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

* **1.1. Product identifier**

**Trade name/designation:**

Super Block M 50ml

**Article No.:**
T542003

**UFI:**
PVE2-PN63-VYFH-JKM3

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

**Use of the substance/mixture:**
Adhesives and sealants

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

**Supplier:**


**KANDO Service GmbH**
Hartleitnerstraße 3
4653 Eberstalzell
Austria
**Telephone:** +43 (0) 7241 213 79
**E-mail:** msds@kando.eu


### 1.4. Emergency telephone number

Vergiftungsinformationszentrale (VIZ), Stubenring 6, 1010 Wien, 24h: 01 406 43 43, Montag - Freitag: 8 bis 16 Uhr, Tel.: 01 406 68 98 (keine medizinische Auskunft) (Only available during office hours.)

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification according to Regulation (EC) No 1272/2008 [CLP]**

| Hazard classes and hazard categories | Hazard statements | Classification procedure |
|---|---|---|
| Hazardous to the aquatic environment *(Aquatic Chronic 3)* | H412: Harmful to aquatic life with long lasting effects. | Calculation method. |

* **2.2. Label elements**

**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

| Hazard statements for environmental hazards | |
|---|---|
| H412 | Harmful to aquatic life with long lasting effects. |

**Supplemental hazard information:** none

| Precautionary statements Prevention | |
|---|---|
| P273 | Avoid release to the environment. |

| Precautionary statements Disposal | |
|---|---|
| P501 | Dispose of waste according to applicable legislation. |

### 2.3. Other hazards

**Other adverse effects:**
The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

## SECTION 3: Composition/information on ingredients

* 

### 3.2. Mixtures

**Description:**
Adhesive

**Additional information:**
Contains Polytetrafluoroethylene (PTFE)

**Hazardous ingredients / Hazardous impurities / Stabilisers:**

| Product identifiers | Substance name<br>Classification according to Regulation (EC) No 1272/2008 [CLP] | Concentration |
|---|---|---|
| CAS No.: 25852-47-5 | **Polyethylene glycol dimethacrylate**<br>Aquatic Chronic 3 (H412) | 50 – < 100 weight-% |
| CAS No.: 128-37-0<br>EC No.: 204-881-4<br>REACH No.: 01-2119565113-46 | **2,6-di-tert-butyl-p-cresol**<br>Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410)<br>  Warning<br>M-factor (chronic): 1<br>**Acute Toxicity Estimate**<br>ATE (oral) > 2,930 mg/kg<br>ATE (dermal) > 2,000 mg/kg | 0.1 – < 1 weight-% |
| CAS No.: 80-15-9<br>EC No.: 201-254-7<br>Index No.: 617-002-00-8 | **α,α-Dimethylbenzylhydroperoxid**<br>Acute Tox. 3 (H331), Acute Tox. 4 (H302, H312),<br>Aquatic Chronic 2 (H411), Org. Perox. E (H242), STOT RE 2 (H373),<br>Skin Corr. 1B (H314)<br>  Danger<br>**Specific concentration limit (SCL)**<br>Skin Corr. 1B; H314: 10% ≤ C < 100%<br>Skin Irrit. 2; H315: 3% ≤ C < 10%<br>Eye Dam. 1; H318: 3% ≤ C < 10%<br>Eye Irrit. 2; H319: 1% ≤ C < 3%<br>STOT SE 3; H335: 0% ≤ C < 10%<br>**Acute Toxicity Estimate**<br>ATE (oral) 382 mg/kg<br>ATE (dermal) 1,100 mg/kg<br>ATE (inhalation, vapour) 3 mg/L<br>ATE (inhalation, dust/mist) 0.5 mg/L | 0.1 – < 1 weight-% |
| CAS No.: 114-83-0<br>EC No.: 204-055-3 | **2-Phenylacetohydrazide**<br>Acute Tox. 3 (H301)<br>  Danger<br>**Acute Toxicity Estimate**<br>ATE (oral) 270 mg/kg | 0.1 – < 1 weight-% |

*Full text of H- and EUH-phrases: see section 16.*

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**General information:**
Immediately remove any contaminated clothing, shoes or stockings.

**Following inhalation:**
Fresh air supply, respiratory care if necessary, warmth. Consult a doctor if symptoms persist.
If unconscious, position and transport in stable lateral position.

**In case of skin contact:**
After contact with skin, wash immediately with plenty of water and soap.

**After eye contact:**
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

**Following ingestion:**
Rinse out mouth immediately and drink plenty of water.
Do NOT induce vomiting. Seek medical advice immediately and show this container or label.

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

No further relevant information available.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

* **5.1. Extinguishing media**

**Suitable extinguishing media:**

alcohol resistant foam, Carbon dioxide (CO2), Dry extinguishing powder

**Unsuitable extinguishing media:**

Full water jet

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

Flammable vapours can accumulate in steam space of closed systems.

**Hazardous combustion products:**

Nitrogen oxides (NOx), Carbon monoxide (CO), Carbon dioxide (CO2)
Risk of formation of toxic pyrolysis products.
Under certain fire conditions, traces of other toxic substances cannot be excluded.

**5.3. Advice for firefighters**

Special protective equipment for firefighters:
Wear self-contained breathing apparatus.
Do not inhale explosion and combustion gases.

* **5.4. Additional information**

Co-ordinate fire-fighting measures to the fire surroundings. Cool endangered containers with water spray. Fire residues and contaminated extinguishing water must be disposed of in accordance with official regulations.

## SECTION 6: Accidental release measures

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

**6.1.1. For non-emergency personnel**

**Personal precautions:**

Avoid contact with eyes and skin.

**Protective equipment:**

Use personal protection equipment. See section 7 & 8.

**6.1.2. For emergency responders**

No data available

**6.2. Environmental precautions**

In case of spillage into water or sewage system, inform the competent authorities.
Do not allow to enter into surface water or drains.

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

**For containment:**

Prevent spread over a wide area (e.g. by containment or oil barriers). Retain contaminated washing water and dispose it. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

**For cleaning up:**

Soak up inert absorbent and dispose as waste requiring special attention.

**Other information:**

Dispose of the ingested material in accordance with the regulations.

**6.4. Reference to other sections**

See section 7 for further information on safe handling.
For further information on personal protective equipment: see section 8.
For further information on disposal: see section 13.

## SECTION 7: Handling and storage

* **7.1. Precautions for safe handling**

**Protective measures**

**Advices on safe handling:**
Use only in well-ventilated areas. Keep away from sources of ignition - No smoking.

**Fire prevent measures:**
Vapours are heavier than air, spread along floors and form explosive mixtures with air.

**Advices on general occupational hygiene**
Keep only in the original container in a cool, well-ventilated place. Never use pressure to empty container. Do not allow to enter into surface water or drains.

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

**Requirements for storage rooms and vessels:**
Keep/Store only in original container. Store in a well-ventilated place. Keep container tightly closed.

**Hints on storage assembly:**
Not required.

**Storage class (TRGS 510, Germany):** 10 – Combustible liquids that cannot be assigned to any of the above storage classes

**Further information on storage conditions:**
Store in a cool, dry place in well-sealed containers. Protect from heat and direct sunlight. Store in a well-ventilated place.

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

**Recommendation:**
Adhesives and sealants

## SECTION 8: Exposure controls/personal protection

* **8.1. Control parameters**

**8.1.1. Occupational exposure limit values**

| Limit value type (country of origin) | Substance name | ① Long-term occupational exposure limit value<br>② Short-term occupational exposure limit value<br>③ Instantaneous value<br>④ Monitoring and observation processes<br>⑤ Remark |
|---|---|---|
| MAK (AT) | **2,6-di-tert-butyl-p-cresol**<br>CAS No.: 128-37-0<br>EC No.: 204-881-4 | ① 10 mg/m³ |

**8.1.2. Biological limit values**
No data available

**8.1.3. DNEL-/PNEC-values**

| Substance name | DNEL value | ① DNEL type<br>② Exposure route |
|---|---|---|
| **2,6-di-tert-butyl-p-cresol**<br>CAS No.: 128-37-0<br>EC No.: 204-881-4 | 3.5 mg/m³ | ① DNEL worker<br>② Long-term – inhalation, systemic effects |
| **2,6-di-tert-butyl-p-cresol**<br>CAS No.: 128-37-0<br>EC No.: 204-881-4 | 0.86 mg/m³ | ① DNEL Consumer<br>② Long-term – inhalation, systemic effects |
| **2,6-di-tert-butyl-p-cresol**<br>CAS No.: 128-37-0<br>EC No.: 204-881-4 | 0.5 mg/kg bw/day | ① DNEL worker<br>② Long-term - dermal, systemic effects |
| **2,6-di-tert-butyl-p-cresol**<br>CAS No.: 128-37-0<br>EC No.: 204-881-4 | 0.25 mg/kg bw/day | ① DNEL Consumer<br>② Long-term - dermal, systemic effects |

| Substance name | DNEL value | ① DNEL type<br>② Exposure route |
|---|---|---|
| **2,6-di-tert-butyl-p-cresol**<br>CAS No.: 128-37-0<br>EC No.: 204-881-4 | 0.25 mg/kg bw/day | ① DNEL Consumer<br>② Long-term - oral, systemic effects |
| **α,α-Dimethylbenzylhydroperoxid**<br>CAS No.: 80-15-9<br>EC No.: 201-254-7 | 6 mg/m³ | ① DNEL worker<br>② Long-term – inhalation, systemic effects |

| Substance name | PNEC Value | ① PNEC type |
|---|---|---|
| **2,6-di-tert-butyl-p-cresol**<br>CAS No.: 128-37-0<br>EC No.: 204-881-4 | 0.199 µg/L | ① PNEC aquatic, freshwater |
| **2,6-di-tert-butyl-p-cresol**<br>CAS No.: 128-37-0<br>EC No.: 204-881-4 | 0.17 mg/L | ① PNEC sewage treatment plant |
| **2,6-di-tert-butyl-p-cresol**<br>CAS No.: 128-37-0<br>EC No.: 204-881-4 | 1.29 mg/kg bw/day | ① PNEC sediment, freshwater |
| **2,6-di-tert-butyl-p-cresol**<br>CAS No.: 128-37-0<br>EC No.: 204-881-4 | 0.02 µg/L | ① PNEC sediment, marine water |
| **2,6-di-tert-butyl-p-cresol**<br>CAS No.: 128-37-0<br>EC No.: 204-881-4 | 1.04 mg/kg bw/day | ① PNEC soil |
| **2,6-di-tert-butyl-p-cresol**<br>CAS No.: 128-37-0<br>EC No.: 204-881-4 | 1.99 µg/L | ① PNEC aquatic, intermittent release |
| **α,α-Dimethylbenzylhydroperoxid**<br>CAS No.: 80-15-9<br>EC No.: 201-254-7 | 0.0031 mg/L | ① PNEC aquatic, freshwater |
| **α,α-Dimethylbenzylhydroperoxid**<br>CAS No.: 80-15-9<br>EC No.: 201-254-7 | 0.00031 mg/L | ① PNEC aquatic, marine water |
| **α,α-Dimethylbenzylhydroperoxid**<br>CAS No.: 80-15-9<br>EC No.: 201-254-7 | 0.35 mg/L | ① PNEC sewage treatment plant |
| **α,α-Dimethylbenzylhydroperoxid**<br>CAS No.: 80-15-9<br>EC No.: 201-254-7 | 0.023 mg/kg | ① PNEC sediment, freshwater |
| **α,α-Dimethylbenzylhydroperoxid**<br>CAS No.: 80-15-9<br>EC No.: 201-254-7 | 0.0023 mg/kg | ① PNEC sediment, marine water |
| **α,α-Dimethylbenzylhydroperoxid**<br>CAS No.: 80-15-9<br>EC No.: 201-254-7 | 0.0029 mg/kg | ① PNEC soil |
| **α,α-Dimethylbenzylhydroperoxid**<br>CAS No.: 80-15-9<br>EC No.: 201-254-7 | 0.031 mg/L | ① PNEC aquatic, intermittent release |

* 
## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls
Provide adequate ventilation as well as local exhaustion at critical locations.

### 8.2.2. Personal protection equipment

**Eye/face protection:**
Avoid contact with eyes. Eye glasses with side protection EN 166

**Skin protection:**
Hand protection:
Wear protective gloves. (EN 374)
Breakthrough times and swelling properties of the material must be taken into consideration.
NR (natural rubber, Natural latex) 0,5 mm; Breakthrough time: 480 min
Replace when worn. Preventive skin protection with skin protection ointment.

Body protection:
Avoid contact with skin, eyes and clothes.

**Respiratory protection:**
In case of inadequate ventilation wear respiratory protection.

**Other protection measures:**
General protective and hygienic measures:
The usual precautions when handling chemicals must be observed.
Wash hands before breaks and after work.

### 8.2.3. 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

**Appearance**

**Physical state:** Liquid
**Colour:** blue
**Odour:** characteristic
**flammability:** No data available
**Odour threshold:** not determined

**Safety relevant basis data**

| Parameter | Value | at °C | ① Method<br>② Remark |
|---|---|---|---|
| pH | *not applicable* | | ② insoluble in: Water |
| Melting point | *No data available* | | |
| Freezing point | *No data available* | | |
| Initial boiling point and boiling range | *No data available* | | |
| Flash point | > 100 °C | | |
| Evaporation rate | *No data available* | | |
| Auto-ignition temperature | *No data available* | | |
| Upper/lower flammability or explosive limits | *No data available* | | |
| Vapour pressure | *No data available* | | |
| Vapour density | *No data available* | | |
| Density | 1.12 g/cm³ | 20 °C | |
| Bulk density | *not applicable* | | |
| Water solubility | *No data available* | | |
| Dynamic viscosity | 4,000 – 9,000 mPa* s | 25 °C | ② Brookfield 3 / 2.5 rpm |
| Kinematic viscosity | *No data available* | | |

### 9.2. Other information
The product is not self-igniting. The product is not explosive.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity
No known hazardous reactions.

* 
### 10.2. Chemical stability
The product is stable under storage at normal ambient temperatures.

* **10.3. Possibility of hazardous reactions**
Thermal decomposition can lead to the escape of irritating gases and vapours. Vapours can form explosive mixtures with air.

**10.4. Conditions to avoid**
No further relevant information available.

**10.5. Incompatible materials**
No further relevant information available.

**10.6. Hazardous decomposition products**
No known hazardous decomposition products.

## SECTION 11: Toxicological information

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

**Toxicological information**

| **Acute Toxicity Estimate for Mixtures** |
|---|
| **ATE (oral):** >5,000 mg/kg |
| **ATE (dermal):** >2,000 mg/kg |
| **ATE (inhalation, vapour):** >50 mg/L |
| **2,6-di-tert-butyl-p-cresol** CAS No.: 128-37-0 EC No.: 204-881-4 |
| **$LD_{50}$ oral:** >2,930 mg/kg (Rat) OECD 401 |
| **$LD_{50}$ dermal:** >2,000 mg/kg (Rabbit) OECD 402 |
| **α,α-Dimethylbenzylhydroperoxid** CAS No.: 80-15-9 EC No.: 201-254-7 |
| **ATE (dermal):** 1,100 mg/kg |
| **ATE (inhalation, vapour):** 3 mg/L |
| **ATE (inhalation, dust/mist):** 0.5 mg/L |
| **$LD_{50}$ oral:** 382 mg/kg (Rat) |
| **$LD_{50}$ dermal:** 1,200 mg/kg (Rat) |
| **$LC_{50}$ Acute inhalation toxicity (vapour):** 220 mg/L 4 h (Rat) |
| **2-Phenylacetohydrazide** CAS No.: 114-83-0 EC No.: 204-055-3 |
| **$LD_{50}$ oral:** 270 mg/kg (Mouse) |

**Acute oral toxicity:**
Based on available data, the classification criteria are not met.

**Acute dermal toxicity:**
Based on available data, the classification criteria are not met.

**Acute inhalation toxicity:**
Based on available data, the classification criteria are not met.

**Skin corrosion/irritation:**
Based on available data, the classification criteria are not met.

**Serious eye damage/irritation:**
Based on available data, the classification criteria are not met.

**Respiratory or skin sensitisation:**
Based on available data, the classification criteria are not met.

**Germ cell mutagenicity:**
Based on available data, the classification criteria are not met.

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

**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.

**Additional information:**
May be harmful if swallowed, in contact with skin or if inhaled.

### 11.2. Information on other hazards

**Endocrine disrupting properties:**
None of the ingredients are included.

## SECTION 12: Ecological information

* 

### 12.1. Toxicity

| | |
|---|---|
| **2,6-di-tert-butyl-p-cresol** CAS No.: 128-37-0 EC No.: 204-881-4 | |
| **$LC_{50}$:** >0.57 mg/L 4 d (fish, Brachydanio rerio) 84/449/EEC C.1 | |
| **NOEC:** 0.053 mg/L (Oryzias latipes) OECD 210 | |
| **$EC_{50}$:** 0.45 mg/L 2 d (crustaceans, Daphnia magna) OECD 202 | |
| **NOEC:** 0.023 mg/L 21 d (crustaceans, Daphnia magna) OECD 202 | |
| **NOEC:** 0.4 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus) 84/449/EEC C.3 | |
| **$EC_{50}$:** >0.4 mg/L 3 d (Algae/water plant, Desmodesmus subspicatus) 84/449/EEC C.3 | |
| **$EC_{50}$:** >10,000 mg/L OECD 209 | |
| **$LC_{50}$:** 0.199 mg/L 4 d (fish, Oryzias latipes) OECD 203 | |
| **$ErC_{50}$:** 0.758 mg/L 4 d (Algae/water plant, Raphidocelis subcapitat) OECD 201 | |
| **α,α-Dimethylbenzylhydroperoxid** CAS No.: 80-15-9 EC No.: 201-254-7 | |
| **$LC_{50}$:** 3.9 mg/L 4 d (Oncorhynchus mykiss) OECD 203 | |
| **$EC_{50}$:** 18 mg/L 2 d (Daphnia magna) OECD 202 | |
| **$ErC_{50}$:** 3.1 mg/L 3 d (Pseudokirchnerie lla subcapitata) OECD 201 | |

**Aquatic toxicity:**
No further relevant information available. Harmful to aquatic life with long lasting effects.

### 12.2. Persistence and degradability

| |
|---|
| **2,6-di-tert-butyl-p-cresol** CAS No.: 128-37-0 EC No.: 204-881-4 |
| **Biodegradation:** Yes, slowly |

### 12.3. Bioaccumulative potential

| |
|---|
| **2,6-di-tert-butyl-p-cresol** CAS No.: 128-37-0 EC No.: 204-881-4 |
| **Log $K_{OW}$:** 5.1 |
| **Bioconcentration factor (BCF):** > 2,000 |

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

| |
|---|
| **Polyethylene glycol dimethacrylate** CAS No.: 25852-47-5 |
| **Results of PBT and vPvB assessment:** — |
| **2,6-di-tert-butyl-p-cresol** CAS No.: 128-37-0 EC No.: 204-881-4 |
| **Results of PBT and vPvB assessment:** — |
| **α,α-Dimethylbenzylhydroperoxid** CAS No.: 80-15-9 EC No.: 201-254-7 |
| **Results of PBT and vPvB assessment:** — |
| **2-Phenylacetohydrazide** CAS No.: 114-83-0 EC No.: 204-055-3 |
| **Results of PBT and vPvB assessment:** — |

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

* 

### 12.6. Endocrine disrupting properties

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

### 12.7. Other adverse effects
water hazard class 2: obviously hazardous to water

## SECTION 13: Disposal considerations

* **13.1. Waste treatment methods**
Dispose of waste according to applicable legislation.

**13.1.1. Product/Packaging disposal**

**Waste codes/waste designations according to EWC/AVV**

**Waste code product**

| | |
|---|---|
| 08 04 10 | waste adhesives and sealants other than those mentioned in 08 04 09 |

**Waste treatment options**

**Appropriate disposal / Package:**
Uncleaned packaging: Completely emptied packages can be recycled. Dispose of waste according to applicable legislation.

## SECTION 14: Transport information

| Land transport (ADR/RID) | Inland waterway craft (ADN) | Sea transport (IMDG) | Air transport (ICAO-TI / IATA-DGR) |
|---|---|---|---|
| **14.1. UN number or ID number** | | | |
| No dangerous good in sense of these transport regulations. | No dangerous good in sense of these transport regulations. | No dangerous good in sense of these transport regulations. | No dangerous good in sense of these transport regulations. |
| **14.2. UN proper shipping name** | | | |
| No dangerous good in sense of these transport regulations. | No dangerous good in sense of these transport regulations. | No dangerous good in sense of these transport regulations. | No dangerous good in sense of these transport regulations. |
| **14.3. Transport hazard class(es)** | | | |
| not relevant | not relevant | not relevant | not relevant |
| **14.4. Packing group** | | | |
| not relevant | not relevant | not relevant | not relevant |
| **14.5. Environmental hazards** | | | |
| not relevant | not relevant | not relevant | not relevant |
| **14.6. Special precautions for user** | | | |
| not relevant | not relevant | not relevant | not relevant |

### 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**

**15.1.1. EU legislation**

**Restrictions on use:**
Restrictions on use (REACH, Annex XVII) entry 3, entry 75, entry 78
Directive 2010/75/EU on industrial emissions [Industrial Emissions Directive]: 0,456 % (5,111 g/l)
Not subject to the SEVESO III Directive.

**15.1.2. National regulations**
No data available

### 15.2. Chemical Safety Assessment
A chemical safety assessment has not been carried out.

* **15.3. Additional information**
Contains Polytetrafluoroethylene (PTFE)

## SECTION 16: Other information

### * 16.1. Indication of changes

| | |
|---|---|
| 1.1. | Product identifier |
| 2.2. | Label elements |
| 3.2. | Mixtures |
| 4.3. | Indication of any immediate medical attention and special treatment needed |
| 5.1. | Extinguishing media |
| 5.2. | Special hazards arising from the substance or mixture |
| 5.4. | Additional information |
| 6.1. | Personal precautions, protective equipment and emergency procedures |
| 6.3. | Methods and material for containment and cleaning up |
| 7.1. | Precautions for safe handling |
| 7.2. | Conditions for safe storage, including any incompatibilities |
| 8.1. | Control parameters |
| 8.2. | Exposure controls |
| 9.1. | Information on basic physical and chemical properties |
| 10.2. | Chemical stability |
| 10.3. | Possibility of hazardous reactions |
| 11.1. | Information on hazard classes as defined in Regulation (EC) No 1272/2008 |
| 12.1. | Toxicity |
| 12.6. | Endocrine disrupting properties |
| 13.1. | Waste treatment methods |
| 15.1. | Safety, health and environmental regulations/legislation specific for the substance or mixture |
| 15.3. | Additional information |
| 16.1. | Indication of changes |
| 16.2. | Abbreviations and acronyms |

### * 16.2. Abbreviations and acronyms

| | |
|---|---|
| ACGIH | American Conference of Governmental Industrial Hygienists |
| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| BCF | Bioconcentration Factor |
| CAS | Chemical Abstracts Service |
| CLP | Classification, Labelling and Packaging |
| DIN | German Institute for Standardization / German Industrial Standard |
| DNEL | derived no-effect level |
| $EC_{50}$ | Effective Concentration 50% |
| EN | European Standard |
| ES | Exposure scenario |
| EWC | European Waste Catalogue |
| ICAO | International Civil Aviation Organization |
| IMDG | International Maritime Dangerous Goods |
| IMO | International Maritime Organization |
| ISO | International Standards Organisation |
| KG | body weight |
| $LC_{50}$ | Lethal (fatal) Concentration 50% |
| $LD_{50}$ | Lethal (fatal) Dose 50% |
| MAK | Maximum concentration in the workplace air (CH) |
| NFPA | National Fire Protection Association |
| NIOSH | National Institute for Occupational Safety & Health |
| NOEC | No Observed Effect Concentration |
| OECD | Organisation for Economic Cooperation and Development |
| OSHA | Occupational Safety & Health Administration |
| PBT | persistent and bioaccumulative and toxic |

| | |
|---|---|
| PNEC | Predicted No Effect Concentration |
| REACH | Registration, Evaluation and Authorization of Chemicals |
| RID | Dangerous goods regulations for transport by rail |
| SCL | Specific concentration limit |
| TRGS | Technische Regeln für Gefahrstoffe |
| UN | United Nations |
| ZNS | central nervous system |

### 16.3. Key literature references and sources for data
No data available

### 16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

| Hazard classes and hazard categories | Hazard statements | Classification procedure |
|---|---|---|
| Hazardous to the aquatic environment *(Aquatic Chronic 3)* | H412: Harmful to aquatic life with long lasting effects. | Calculation method. |

### 16.5. List of relevant hazard statements and/or precautionary statements from sections 2 to 15

| Hazard statements | |
|---|---|
| H242 | Heating may cause a fire. |
| H301 | Toxic if swallowed. |
| H302 | Harmful if swallowed. |
| H312 | Harmful in contact with skin. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H331 | Toxic if inhaled. |
| H335 | May cause respiratory irritation. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| 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. |

### 16.6. Training advice
No data available

### 16.7. Additional information
To the best of our knowledge, the information contained herein is accurate. However, neither the above-mentioned supplier nor its subsidiaries assume any liability with regard to the correctness or completeness of the information provided. A final determination of the suitability of individual materials is the sole responsibility of the user. All materials may involve unknown risks and should be used with caution. While certain risks are described herein, we cannot guarantee that these are the only possible risks.

* Data changed compared with the previous version.