



# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of:  
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Revision date 19-Mar-2026

Revision Number 1

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

### 1.1. Product identifier

Safety data sheet number FG-1857

Product Name SO-FLEX II

### Other means of identification

Unique Formula Identifier (UFI) 0Y70-D0VE-D00A-KUE4

Pure substance/mixture Mixture

Contains Dimethyltin dineodecanoate

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

Recommended use Elastomer Plasticizer

Uses advised against

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

#### Supplier

Smooth-On Inc, 5600 Lower Macungie Rd, Macungie, PA 18062, USA, Phone: +01.610.252.5800, www.smooth-on.com, sds@smooth-on.com

For further information, please contact

E-mail address sds@smooth-on.com

### 1.4. Emergency telephone number

Emergency Telephone CHEMTEL +01-813-248-0585

| Emergency Telephone - §45 - (EC)1272/2008 |   |
|---|---|
| Europe                                    | 112   |
| Austria                                   | 01 406 43 43  |
| Belgium                                   | 070 245 245   |
| Bulgaria                                  | +359 9154 233   |
| Croatia                                   | +385 1 2348 342   |
| Cyprus                                    | 1401  |
| Czech Republic                            | 224 91 92 93<br>22191 54 02                                 |
| Denmark                                   | +45 8212 1212   |
| Estonia                                   | 16662   |
| Finland                                   | Maksuton Puhelu: 0800 147 111<br>Normihinta: +358 9 471 977 |
| France                                    | +33 01 45 42 59 59  |
| Germany                                   | 112   |

|                |  |
|----------------|--|
| Greece         | (0030) 2107793777  |
| Hungary        | +36 80 201 199   |
| Iceland        | +354 543 2222  |
| Ireland        | 01 837 9964<br>01 809 2566   |
| Italy          | 06 3054 343<br>10 Italian Poison Centres:<br>Rome +39 06-68593726 / +30 06-49978000 / +39 06-3054343, Foggia +39 800183459,<br>Naples +39 081-5453333, Firenze +39 055-7947819, Pavia +39 0382-24444, Milan +39<br>02-66101029, Bergamo +39 80088300, Verona +39 800011858 |
| Latvia         | +370 (5) 2362052   |
| Liechtenstein  | 01 406 43 43   |
| Lithuania      | +370 5 236 20 52<br>+370 687 533 78  |
| Luxembourg     | (+352) 8002 5500   |
| Netherlands    | +31 (0) 88 755 8000  |
| Norway         | 22 59 13 00  |
| Poland         | +48 22 619 66 54   |
| Portugal       | +351 800 250 250   |
| Romania        | +40 21 599 2300  |
| Slovakia       | +421 2 5477 4166   |
| Spain          | +34 91 562 04 20   |
| Sweden         | 112  |
| Switzerland    | 145  |
| United Kingdom | 0344 892 0111  |

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

|  |                     |
|--|---------------------|
| Acute toxicity - Oral                              | Category 4 - (H302) |
| Reproductive toxicity                              | Category 2 - (H361) |
| Specific target organ toxicity (repeated exposure) | Category 2 - (H373) |

### 2.2. Label elements

Contains Dimethyltin dineodecanoate



#### Signal word

Warning

#### Hazard statements

H302 - Harmful if swallowed.

H361 - Suspected of damaging fertility or the unborn child.

H373 - May cause damage to organs through prolonged or repeated exposure.

#### Precautionary Statements - EU (§28, 1272/2008)

P201 - Obtain special instructions before use.

P260 - Do not breathe dust, fume, gas, mist, vapors and spray.

P264 - Wash face, hands and any exposed skin thoroughly after handling.

P280 - Wear protective gloves, protective clothing, eye protection and face protection.  
 P308 + P313 - IF exposed or concerned: Get medical advice/attention.  
 P501 - Dispose of contents and container in accordance with local, regional, national, and international regulations as applicable.

**Additional information**

This product requires tactile warnings if supplied to the general public.

**2.3. Other hazards**

May be harmful in contact with skin.

**Endocrine Disruptor Information** This product does not contain any known or suspected endocrine disruptors.

**SECTION 3: Composition/information on ingredients****3.1. Substances**

Not applicable

**3.2. Mixtures**

Hazardous

| Chemical name                            | Weight-% | REACH registration number | EC No. (Index No.) | Classification according to Regulation (EC) No. 1272/2008 [CLP] | Specific concentration limit (SCL) | M-Factor | M-Factor (long-term) | Notes |
|--|----------|---------------------------|--------------------|---|------------------------------------|----------|----------------------|-------|
| Dimethyltin dineodecanoate<br>68928-76-7 | 1-5      | No data available         | 273-028-6          | No data available   | -                                  | -        | -                    | -     |

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

**Acute Toxicity Estimate**

No information available

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59).

**SECTION 4: First aid measures****4.1. Description of first aid measures**

|                       |  |
|-----------------------|--|
| <b>General advice</b> | Show this safety data sheet to the doctor in attendance.   |
| <b>Inhalation</b>     | Remove to fresh air.   |
| <b>Eye contact</b>    | Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. |
| <b>Skin contact</b>   | Wash skin with soap and water. In the case of skin irritation or allergic reactions see a physician.                 |
| <b>Ingestion</b>      | Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious person. Call a physician.        |

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

|                            |  |
|----------------------------|--|
| <b>Symptoms</b>            | No information available.  |
| <b>Effects of Exposure</b> | May cause adverse reproductive effects - such as birth defect, miscarriages, or infertility.<br>May cause damage to organs through prolonged or repeated exposure. |

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

|                           |                        |
|---------------------------|------------------------|
| <b>Note to physicians</b> | Treat symptomatically. |
|---------------------------|------------------------|

**SECTION 5: Firefighting measures****5.1. Extinguishing media**

**Suitable Extinguishing Media** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Large Fire** CAUTION: Use of water spray when fighting fire may be inefficient.

**Unsuitable extinguishing media** Do not scatter spilled material with high pressure water streams.

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

**Specific hazards arising from the chemical** No information available.

**5.3. Advice for firefighters**

**Special protective equipment and precautions for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.  
Use personal protection equipment.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

**6.1.1- Recommendations for those who intervene directly**  
No information available.

**6.1.2.- Recommendations for those who do not intervene directly**  
No information available.

**Personal precautions** Ensure adequate ventilation.

**For emergency responders** Use personal protection recommended in Section 8.

**6.2. Environmental precautions**

**Environmental precautions** See Section 12 for additional Ecological Information.

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

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Take up mechanically, placing in appropriate containers for disposal.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

#### 6.4. Reference to other sections

**Reference to other sections** See section 8 for more information. See section 13 for more information.

## **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product. Remove contaminated clothing and shoes.

**General hygiene considerations** Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

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

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Store locked up.

**Storage class (TRGS 510)** Storage class 10.

### 7.3. Specific end use(s)

**Risk Management Methods (RMM)** The information required is contained in this Safety Data Sheet.

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

### 8.1. Control parameters

#### **Exposure Limits**

| Chemical name                            | European Union   | Austria  | Belgium  | Bulgaria   | Croatia   |
|--|--|--|--|--|---|
| Dimethyltin dineodecanoate<br>68928-76-7 | -  | TWA-TMW:<br>0.1 mg/m <sup>3</sup> ; inhalable fraction<br>STEL-KZGW: 0.2 mg/m <sup>3</sup> (4 X 15 min);<br>inhalable fraction<br>Sk | TWA: 0.1 mg/m <sup>3</sup> ;<br>STEL: 0.2 mg/m <sup>3</sup> ;<br>Sd  | TWA: 0.1 mg/m <sup>3</sup> ;   | TWA-GVI:<br>0.1 mg/m <sup>3</sup> ;<br>STEL-KGVI: 0.2 mg/m <sup>3</sup> ; |
| Chemical name                            | Cyprus   | Czech Republic   | Denmark  | Estonia  | Finland   |
| Dimethyltin dineodecanoate<br>68928-76-7 | -  | TWA: 0.1 mg/m <sup>3</sup> ;<br>Ceiling: 0.2 mg/m <sup>3</sup> ;<br>pSk  | TWA: 0.1 mg/m <sup>3</sup> ;<br>STEL: 0.2 mg/m <sup>3</sup> ;<br>pSk   | TWA: 0.1 mg/m <sup>3</sup> ;<br>STEL: 0.2 mg/m <sup>3</sup> ;<br>Sk  | TWA: 0.1 mg/m <sup>3</sup> ;<br>STEL: 0.3 mg/m <sup>3</sup> ;<br>pSk      |
| Chemical name                            | France   | Germany TRGS   | Germany DFG  | Greece   | Hungary   |
| Dimethyltin dineodecanoate<br>68928-76-7 | TWA-VME: 0.1 mg/m <sup>3</sup> ;<br>STEL-VLCT: 0.2 mg/m <sup>3</sup> ; | TWA-AGW;<br>0.0018 ppm (exposure factor 1);<br>TWA-AGW;<br>0.009 mg/m <sup>3</sup> (exposure factor 1);                              | TWA-MAK: 0.004 ppm; I(1);<br>TWA-MAK: 0.02 mg/m <sup>3</sup> ; I(1);<br>Peak: 0.004 ppm;<br>Peak: 0.02 mg/m <sup>3</sup> ; | TWA: 0.1 mg/m <sup>3</sup> ;<br>STEL: 0.2 mg/m <sup>3</sup> ;<br>pSk | TWA-AK: 0.02 mg/m <sup>3</sup> ;<br>pSk                                   |
| Chemical name                            | Ireland  | Italy MDLPS  | Italy AIDII  | Latvia   | Lithuania   |

|  |  |   |  |  |  |
|--|--|---|--|--|--|
| Dimethyltin dineodecanoate<br>68928-76-7 | TWA: 0.1 mg/m <sup>3</sup> ;<br>STEL: 0.2 mg/m <sup>3</sup> ;  | -   | TWA: 0.1 mg/m <sup>3</sup> ;<br>STEL (REL): 0.2<br>mg/m <sup>3</sup> ;<br>pSk  | -  | TWA-IPRD: 0.1<br>mg/m <sup>3</sup> ;<br>STEL-TPRD: 0.2<br>mg/m <sup>3</sup> ;<br>Sk          |
| Chemical name                            | Luxembourg   | Malta   | Netherlands  | Norway   | Poland   |
| Dimethyltin dineodecanoate<br>68928-76-7 | -  | -   | -  | TWA: 0.1 mg/m <sup>3</sup> ;<br>STEL: 0.2<br>mg/m <sup>3</sup> (value from<br>the regulation);<br>Sk       | -  |
| Chemical name                            | Portugal   | Romania   | Slovakia   | Slovenia   | Spain  |
| Dimethyltin dineodecanoate<br>68928-76-7 | TWA (VLE-MP): 0.1<br>mg/m <sup>3</sup> ;<br>STEL (VLE-CD): 0.2<br>mg/m <sup>3</sup> ;<br>pSk                         | TWA: 0.05 mg/m <sup>3</sup> ;<br>STEL: 0.15 mg/m <sup>3</sup> ; | TWA: 0.1 mg/m <sup>3</sup> ;<br>Ceiling: 0.2 mg/m <sup>3</sup> ;<br>pSk  | TWA: 0.009 mg/m <sup>3</sup> ;<br>TWA: 0.0018 ppm;<br>STEL: 0.0018 ppm;<br>STEL: 0.009 mg/m <sup>3</sup> ; | TWA-(VLA-ED): 0.1<br>mg/m <sup>3</sup> ;<br>STEL (VLA-EC): 0.2<br>mg/m <sup>3</sup> ;<br>pSk |
| Chemical name                            | Sweden   |   | Switzerland  |  | United Kingdom   |
| Dimethyltin dineodecanoate<br>68928-76-7 | TLV-NGV: 0.1 mg/m <sup>3</sup> ; total<br>dust<br>STEL (Vägledande KGV): 0.2<br>mg/m <sup>3</sup> ; total dust<br>Sk |   | TWA-MAK: 0.1 mg/m <sup>3</sup> ;<br>aerosol, inhalable dust, vapour<br>STEL-KZGW: 0.2 mg/m <sup>3</sup> ;<br>aerosol, inhalable dust, vapour<br>Sk |  | TWA: 0.1 mg/m <sup>3</sup> ;<br>STEL: 0.2 mg/m <sup>3</sup> ;<br>pSk                         |

**Biological occupational exposure limits** This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

**Derived No Effect Level (DNEL) - Workers** No information available

**Derived No Effect Level (DNEL) - General Public** No information available.

**Predicted No Effect Concentration (PNEC)** No information available.

## 8.2. Exposure controls

**Engineering controls** No information available.

### Personal protective equipment

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Hand protection** Wear suitable gloves.

**Skin and body protection** Wear suitable protective clothing.

**Respiratory protection** Use appropriate respiratory protection.

**General hygiene considerations** Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product.

**Environmental exposure controls** No information available.

## SECTION 9: Physical and chemical properties

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

|                |                          |
|----------------|--------------------------|
| Physical state | Liquid                   |
| Appearance     | Liquid                   |
| Color          | Pale Yellow              |
| Odor           | Mild.                    |
| Odor threshold | No information available |

| <u>Property</u>                         | <u>Values</u>            | <u>Remarks • Method</u> |
|---|--------------------------|-------------------------|
| Melting point / freezing point          | No data available        | None known              |
| Initial boiling point and boiling range | No data available        | None known              |
| Flammability                            | No data available        | None known              |
| Flammability Limit in Air               |                          | None known              |
| Upper flammability or explosive limits  | No data available        |                         |
| Lower flammability or explosive limits  | No data available        |                         |
| Flash point                             | > 153 °C                 | None known              |
| Autoignition temperature                | No data available        | None known              |
| Decomposition temperature               |                          | None known              |
| pH                                      | No data available        | None known              |
| pH (as aqueous solution)                | No data available        | None known              |
| Kinematic viscosity                     | No data available        | None known              |
| Dynamic viscosity                       | No data available        | None known              |
| Water solubility                        | Insoluble in water       | None known              |
| Solubility(ies)                         | No data available        | None known              |
| Partition coefficient                   | No data available        | None known              |
| Vapor pressure                          | No data available        | None known              |
| Relative density                        | 1.1 - 1.15               | None known              |
| Bulk density                            | No data available        |                         |
| Liquid Density                          | No data available        |                         |
| Relative vapor density                  | No data available        | None known              |
| Particle characteristics                |                          |                         |
| Particle Size                           | No information available |                         |
| Particle Size Distribution              | No information available |                         |

**9.2. Other information****9.2.1. Information with regard to physical hazard classes**

Not applicable

**9.2.2. Other safety characteristics**

No information available

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

|            |                           |
|------------|---------------------------|
| Reactivity | No information available. |
|------------|---------------------------|

**10.2. Chemical stability**

|           |                                 |
|-----------|---------------------------------|
| Stability | Stable under normal conditions. |
|-----------|---------------------------------|

**Explosion data**

|                                  |       |
|----------------------------------|-------|
| Sensitivity to mechanical impact | None. |
|----------------------------------|-------|

|                                 |       |
|---------------------------------|-------|
| Sensitivity to static discharge | None. |
|---------------------------------|-------|

**10.3. Possibility of hazardous reactions**

**Possibility of hazardous reactions** None under normal processing.

#### 10.4. Conditions to avoid

**Conditions to avoid** None known based on information supplied.

#### 10.5. Incompatible materials

**Incompatible materials** None known based on information supplied.

#### 10.6. Hazardous decomposition products

**Hazardous decomposition products** None known based on information supplied.

## **SECTION 11: Toxicological information**

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

#### Information on likely routes of exposure

##### Product Information

|                     |  |
|---------------------|--|
| <b>Inhalation</b>   | Specific test data for the substance or mixture is not available.  |
| <b>Eye contact</b>  | Specific test data for the substance or mixture is not available.  |
| <b>Skin contact</b> | May be harmful in contact with skin.   |
| <b>Ingestion</b>    | Specific test data for the substance or mixture is not available. Harmful if swallowed. (based on components). |

#### Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** No information available.

**Acute toxicity** Harmful if swallowed.

#### **Numerical measures of toxicity**

##### **The following ATE values have been calculated for the mixture**

|                                   |                |
|-----------------------------------|----------------|
| <b>ATE<sub>mix</sub> (oral)</b>   | 1,835.70 mg/kg |
| <b>ATE<sub>mix</sub> (dermal)</b> | 2,062.90 mg/kg |

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Skin corrosion/irritation** No information available.

**Serious eye damage/eye irritation** No information available.

**Respiratory or skin sensitization** No information available.

**Germ cell mutagenicity** No information available.

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|                                 |  |
|---------------------------------|--|
| <b>Carcinogenicity</b>          | No information available.  |
| <b>Reproductive toxicity</b>    | Contains a known or suspected reproductive toxin. Classification based on data available for ingredients. Suspected of damaging fertility or the unborn child. |
| <b>STOT - single exposure</b>   | No information available.  |
| <b>STOT - repeated exposure</b> | May cause damage to organs through prolonged or repeated exposure.   |
| <b>Aspiration hazard</b>        | No information available.  |

### **11.2. Information on other hazards**

#### **11.2.1. Endocrine disrupting properties**

**Endocrine disrupting properties** No information available.

#### **11.2.2. Other information**

**Other adverse effects** No information available.

## **SECTION 12: Ecological information**

### **12.1. Toxicity**

**Ecotoxicity** The environmental impact of this product has not been fully investigated.

### **12.2. Persistence and degradability**

**Persistence and degradability** No information available.

### **12.3. Bioaccumulative potential**

**Bioaccumulation** There is no data for this product.

### **12.4. Mobility in soil**

**Mobility in soil** No information available.

### **12.5. Results of PBT and vPvB assessment**

**PBT and vPvB assessment** The product does not contain any substance(s) classified as PBT or vPvB above the threshold of declaration.

### **12.6. Endocrine disrupting properties**

**Endocrine disrupting properties** No information available.

### **12.7. Other adverse effects**

No information available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|  |   |
|--|---|
| <b>Waste from residues/unused products</b> | Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation. |
| <b>Contaminated packaging</b>              | Do not reuse empty containers.  |

## SECTION 14: Transport information

### IATA

|  |                |
|--|----------------|
| <b>14.1 UN number or ID number</b>       | Not regulated  |
| <b>14.2 UN proper shipping name</b>      | Not regulated  |
| <b>14.3 Transport hazard class(es)</b>   | Not regulated  |
| <b>14.4 Packing group</b>                | Not regulated  |
| <b>14.5 Environmental hazards</b>        | Not applicable |
| <b>14.6 Special precautions for user</b> |                |
| <b>Special Provisions</b>                | None           |

### IMDG

|   |                          |
|---|--------------------------|
| <b>14.1 UN number or ID number</b>                                  | Not regulated            |
| <b>14.2 UN proper shipping name</b>                                 | Not regulated            |
| <b>14.3 Transport hazard class(es)</b>                              | Not regulated            |
| <b>14.4 Packing group</b>   | Not regulated            |
| <b>14.5 Environmental hazards</b>                                   | Not applicable           |
| <b>14.6 Special precautions for user</b>                            |                          |
| <b>Special Provisions</b>   | None                     |
| <b>14.7 Maritime transport in bulk according to IMO instruments</b> | No information available |

### RID

|  |                |
|--|----------------|
| <b>14.1 UN number or ID number</b>       | Not regulated  |
| <b>14.2 UN proper shipping name</b>      | Not regulated  |
| <b>14.3 Transport hazard class(es)</b>   | Not regulated  |
| <b>14.4 Packing group</b>                | Not regulated  |
| <b>14.5 Environmental hazards</b>        | Not applicable |
| <b>14.6 Special precautions for user</b> |                |
| <b>Special Provisions</b>                | None           |

### ADR

|  |                |
|--|----------------|
| <b>14.1 UN number or ID number</b>       | Not regulated  |
| <b>14.2 UN proper shipping name</b>      | Not regulated  |
| <b>14.3 Transport hazard class(es)</b>   | Not regulated  |
| <b>14.4 Packing group</b>                | Not regulated  |
| <b>14.5 Environmental hazards</b>        | Not applicable |
| <b>14.6 Special precautions for user</b> |                |
| <b>Special Provisions</b>                | None           |

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### National regulations

**Germany**

**Water hazard class (WGK)** slightly hazardous to water (WGK 1)

**European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

**Authorizations and/or restrictions on use:**

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

**Persistent Organic Pollutants**

Not applicable

**Ozone-depleting substances (ODS) Regulation (EU) 2024/590**

Not applicable

**International Inventories**

|                      |  |
|----------------------|--|
| <b>TSCA</b>          | Contact supplier for inventory compliance status |
| <b>DSL/NDSL</b>      | Contact supplier for inventory compliance status |
| <b>EINECS/ELINCS</b> | Contact supplier for inventory compliance status |
| <b>ENCS</b>          | Contact supplier for inventory compliance status |
| <b>IECSC</b>         | Contact supplier for inventory compliance status |
| <b>KECL</b>          | Contact supplier for inventory compliance status |
| <b>PICCS</b>         | Contact supplier for inventory compliance status |
| <b>AIIC</b>          | Contact supplier for inventory compliance status |
| <b>NZIoC</b>         | Contact supplier for inventory compliance status |

**Legend:**

|                      |  |
|----------------------|--|
| <b>TSCA</b>          | - United States Toxic Substances Control Act Section 8(b) Inventory                                |
| <b>DSL/NDSL</b>      | - Canadian Domestic Substances List/Non-Domestic Substances List                                   |
| <b>EINECS/ELINCS</b> | - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances |
| <b>ENCS</b>          | - Japan Existing and New Chemical Substances   |
| <b>IECSC</b>         | - China Inventory of Existing Chemical Substances  |
| <b>KECL</b>          | - Korean Existing Chemicals Inventory  |
| <b>PICCS</b>         | - Philippines Inventory of Chemicals and Chemical Substances                                       |
| <b>AIIC</b>          | - Australian Inventory of Industrial Chemicals   |
| <b>NZIoC</b>         | - New Zealand Inventory of Chemicals   |

**15.2. Chemical safety assessment**

**Chemical Safety Report** No information available

**SECTION 16: Other information**

**Key or legend to abbreviations and acronyms used in the safety data sheet**

**Legend**

SVHC: Substances of Very High Concern for Authorization:  
 PBT: Persistent, Bioaccumulative, and Toxic (PBT) Substances  
 vPvB: Very Persistent and very Bioaccumulative (vPvB) Substances  
 STOT: Specific Target Organ Toxicity  
 ATE: Acute Toxicity Estimate  
 LC50: 50% Lethal Concentration  
 LD50: 50% Lethal Dose

**Legend Section 8: Exposure controls/personal protection**

TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit)  
 Ceiling Maximum limit value Sk\* Skin designation  
 + Sensitizers

| Classification procedure  |                    |
|---|--------------------|
| Classification according to Regulation (EC) No. 1272/2008 [CLP] | Method Used        |
| Acute oral toxicity   | Calculation method |
| Acute dermal toxicity   | Calculation method |
| Acute inhalation toxicity - gas                                 | Calculation method |
| Acute inhalation toxicity - vapor                               | Calculation method |
| Acute inhalation toxicity - dust/mist                           | Calculation method |
| Skin corrosion/irritation                                       | Calculation method |
| Serious eye damage/eye irritation                               | Calculation method |
| Respiratory sensitization                                       | Calculation method |
| Skin sensitization  | Calculation method |
| Mutagenicity  | Calculation method |
| Carcinogenicity   | Calculation method |
| Reproductive toxicity   | Calculation method |
| STOT - single exposure  | Calculation method |
| STOT - repeated exposure  | Calculation method |
| Chronic aquatic toxicity  | Calculation method |
| Acute aquatic toxicity  | Calculation method |
| Aspiration hazard   | Calculation method |
| Ozone   | Calculation method |

**Key literature references and sources for data used to compile the SDS**

U.S. Agency for Toxic Substances and Disease Registry (ATSDR)  
 U.S. Environmental Protection Agency ChemView Database  
 European Food Safety Authority (EFSA)  
 European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA\_RAC)  
 European Chemicals Agency (ECHA) (ECHA\_API)  
 U.S. Environmental Protection Agency  
 Acute Exposure Guideline Level(s) (AEGl(s))  
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act  
 U.S. Environmental Protection Agency High Production Volume Chemicals  
 Food Research Journal  
 Hazardous Substance Database  
 International Uniform Chemical Information Database (IUCLID)  
 Japan National Institute of Technology and Evaluation (NITE)  
 Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)  
 NIOSH (National Institute for Occupational Safety and Health)  
 National Library of Medicine's ChemID Plus (NLM CIP)  
 National Library of Medicine's PubMed database (NLM PUBMED)  
 U.S. National Toxicology Program (NTP)  
 New Zealand's Chemical Classification and Information Database (CCID)  
 International Organization for Economic Co-operation and Development (OECD) Environment, Health, and Safety Publications  
 International Organization for Economic Co-operation and Development (OECD) High Production Volume Chemicals Program

International Organization for Economic Co-operation and Development (OECD) Screening Information Data Set  
United Nations World Health Organization (WHO)

Revision date 19-Mar-2026

**Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)**

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**End of Safety Data Sheet**