



# SAFETY DATA SHEET

DOW FRANCE S.A.S.

Safety Data Sheet according to Reg. (EU) 2020/878

**Product name:** DOWSIL™ 730 FS Solvent Resistant Sealant

**Revision Date:** 29.12.2022

**Version:** 3.0

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DOW FRANCE S.A.S. encourages and expects you to read and understand the entire (M)SDS, as there is important information throughout the document. We expect you to follow the precautions identified in this document unless your use conditions would necessitate other appropriate methods or actions.

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifier

**Product name:** DOWSIL™ 730 FS Solvent Resistant Sealant

**UFI:** NP20-80TU-2002-6M5K

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

**Identified uses:** Use at industrial sites: Use in adhesives.

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

#### COMPANY IDENTIFICATION

DOW FRANCE S.A.S.

23 AVENUE JULES RIMET

93210 LA PLAINE SAINT-DENIS

FRANCE

**Customer Information Number:**

(31) 115 67 2626

SDSQuestion@dow.com

### 1.4 EMERGENCY TELEPHONE NUMBER

**24-Hour Emergency Contact:** 00 33 388 736 000

**Local Emergency Contact:** 00 33 388 736 000

**ORFILA:** + 33 (0)1 45 42 59 59

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008:

Skin irritation - Category 2 - H315

Eye irritation - Category 2 - H319

For the full text of the H-Statements mentioned in this Section, see Section 16.

## 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008:

### Hazard pictograms



Signal word: **WARNING**

### Hazard statements

- H315 Causes skin irritation.  
H319 Causes serious eye irritation.

### Precautionary statements

- P264 Wash skin thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/ eye protection/ face protection.  
P332 + P313 If skin irritation occurs: Get medical advice/ attention.  
P337 + P313 If eye irritation persists: Get medical advice/ attention.  
P370 + P261 In case of fire: Avoid breathing fume.

### Supplemental information

- EUH208 Contains: Bis[(2-ethyl-2,5-dimethylhexanoyl)oxy](dimethyl)stannane. May produce an allergic reaction.  
EUH212 Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.

## 2.3 Other hazards

This product contains no substances assessed to be PBT or vPvB at levels of 0.1% or higher.

### Endocrine disrupting properties

- Environment: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
- Human Health: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

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## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

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**Chemical nature:** Fluorosilicone elastomer

### 3.2 Mixtures

This product is a mixture.

| CASRN /<br>EC-No. /<br>Index-No.                                                      | REACH<br>Registration<br>Number | Concentration       | Component                                                                                                | Classification:<br>REGULATION (EC) No<br>1272/2008                                                                                                                                                                                         |
|---------------------------------------------------------------------------------------|---------------------------------|---------------------|----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>CASRN</b><br>13463-67-7<br><b>EC-No.</b><br>236-675-5<br><b>Index-No.</b><br>—     | 01-2119489379-17                | >= 6,0 - <= 7,0 %   | titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm] | Carc. 2; H351<br><br>Acute toxicity estimate<br>Acute oral toxicity:<br>> 10 000 mg/kg<br>Acute inhalation toxicity:<br>> 6,82 mg/l, 4 Hour, dust/mist<br>Acute dermal toxicity:<br>10 000 mg/kg                                           |
| <b>CASRN</b><br>4130-08-9<br><b>EC-No.</b><br>223-943-1<br><b>Index-No.</b><br>—      | —                               | >= 1,6 - <= 1,8 %   | Vinyltriacetoxysilane                                                                                    | Skin Corr. 1B; H314<br>Eye Dam. 1; H318<br><br>Acute toxicity estimate<br>Acute inhalation toxicity:<br>> 28,86 mg/l, 4 Hour, vapour                                                                                                       |
| <b>CASRN</b><br>64426-39-7<br><b>EC-No.</b><br>Not available<br><b>Index-No.</b><br>— | —                               | >= 0,69 - <= 1,02 % | Vinyl di-tert-butoxyacetoxysilane                                                                        | Skin Corr. 1A; H314<br>Eye Dam. 1; H318<br><br>Acute toxicity estimate<br>Acute oral toxicity:<br>3 310 mg/kg                                                                                                                              |
| <b>CASRN</b><br>68928-76-7<br><b>EC-No.</b><br>273-028-6<br><b>Index-No.</b><br>—     | 01-2120770324-57                | 0,059%              | Bis[(2-ethyl-2,5-dimethylhexanoyl)oxy](dimethyl)stannane                                                 | Acute Tox. 4; H302<br>Skin Irrit. 2; H315<br>Skin Sens. 1A; H317<br>Aquatic Chronic 3; H412<br><br>Acute toxicity estimate<br>Acute oral toxicity:<br>892 mg/kg<br>Acute dermal toxicity:<br>> 2 000 mg/kg                                 |
| <b>CASRN</b><br>2374-14-3<br><b>EC-No.</b><br>219-154-7<br><b>Index-No.</b><br>—      | —                               | 0,0305%             | Trifluoropropylmethyl cyclotrisiloxane                                                                   | Repr. 2; H361f<br>STOT RE 1; H372 (Heart, Musculo-skeletal system)<br>STOT RE 2; H373 (Liver)<br>Aquatic Chronic 4; H413<br><br>Acute toxicity estimate<br>Acute oral toxicity:<br>4 650 mg/kg<br>Acute dermal toxicity:<br>> 20 000 mg/kg |

For the full text of the H-Statements mentioned in this Section, see Section 16.

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## SECTION 4: FIRST AID MEASURES

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### 4.1 Description of first aid measures

**General advice:**

First Aid responders should pay attention to self-protection and use the recommended protective clothing (chemical resistant gloves, splash protection). If potential for exposure exists refer to Section 8 for specific personal protective equipment.

**Inhalation:** Move person to fresh air and keep comfortable for breathing; consult a physician.

**Eye contact:** Immediately flush eyes with water; remove contact lenses, if present, after the first 5 minutes, then continue flushing eyes for at least 15 minutes. Obtain medical attention without delay, preferably from an ophthalmologist. Suitable emergency eye wash facility should be immediately available.

**Ingestion:** No emergency medical treatment necessary.

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

Causes skin irritation. Causes serious eye irritation.

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

**Notes to physician:** No specific antidote. Treatment of exposure should be directed at the control of symptoms and the clinical condition of the patient.

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## SECTION 5: FIREFIGHTING MEASURES

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### 5.1 Extinguishing media

**Suitable extinguishing media:** Water spray. Alcohol-resistant foam. Carbon dioxide (CO<sub>2</sub>). Dry chemical.

**Unsuitable extinguishing media:** None known..

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

**Hazardous combustion products:** Silicon oxides. Fluorine compounds. Formaldehyde. Carbon oxides.

**Unusual Fire and Explosion Hazards:** Exposure to combustion products may be a hazard to health.. Toxic vapours are evolved.. Fire burns more vigorously than would be expected..

### 5.3 Advice for firefighters

**Fire Fighting Procedures:** Use water spray to cool unopened containers.. Evacuate area.. Collect contaminated fire extinguishing water separately. This must not be discharged into drains.. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations..

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Remove undamaged containers from fire area if it is safe to do so.

**Special protective equipment for firefighters:** In the event of fire, wear self-contained breathing apparatus.. Use personal protective equipment.. Wear neoprene gloves to prevent contact with hydrofluoric acid..

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## SECTION 6: ACCIDENTAL RELEASE MEASURES

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**6.1 Personal precautions, protective equipment and emergency procedures:** Remove all sources of ignition. Use personal protective equipment. Follow safe handling advice and personal protective equipment recommendations.

**6.2 Environmental precautions:** Discharge into the environment must be avoided. Prevent further leakage or spillage if safe to do so. Retain and dispose of contaminated wash water. Local authorities should be advised if significant spillages cannot be contained.

**6.3 Methods and materials for containment and cleaning up:** Wipe up or scrape up and contain for salvage or disposal. Local or national regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable. For large spills, provide dyking or other appropriate containment to keep material from spreading. If dyked material can be pumped, store recovered material in appropriate container. Dispose of saturated absorbent or cleaning materials appropriately, since spontaneous heating may occur.

**6.4 Reference to other sections:**

See sections: 7, 8, 11, 12 and 13.

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## SECTION 7: HANDLING AND STORAGE

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**7.1 Precautions for safe handling:** Do not get on skin or clothing. Do not swallow. Do not get in eyes. Take care to prevent spills, waste and minimize release to the environment. Handle in accordance with good industrial hygiene and safety practice. CONTAINERS MAY BE HAZARDOUS WHEN EMPTY. Since emptied containers retain product residue follow all (M)SDS and label warnings even after container is emptied.

Use only with adequate ventilation. See Engineering measures under EXPOSURE CONTROLS/PERSONAL PROTECTION section.

**7.2 Conditions for safe storage, including any incompatibilities:** Keep in properly labelled containers. Store in accordance with the particular national regulations.

Do not store with the following product types: Strong oxidizing agents.  
Unsuitable materials for containers: None known.

**7.3 Specific end use(s):** See the technical data sheet on this product for further information.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

If exposure limits exist, they are listed below. If no exposure limits are displayed, then no values are applicable.

| Component                                                | Regulation                                                                                            | Type of listing | Value                        |
|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------|-----------------|------------------------------|
| Bis[(2-ethyl-2,5-dimethylhexanoyl)oxy](dimethyl)stannane | ACGIH                                                                                                 | TWA             | 0,1 mg/m <sup>3</sup> , Tin  |
|                                                          | Further information: A4: Not classifiable as a human carcinogen; Skin: Danger of cutaneous absorption |                 |                              |
|                                                          | ACGIH                                                                                                 | STEL            | 0,2 mg/m <sup>3</sup> , Tin  |
|                                                          | Further information: A4: Not classifiable as a human carcinogen; Skin: Danger of cutaneous absorption |                 |                              |
|                                                          | FR VLE                                                                                                | VME             | 0,1 mg/m <sup>3</sup> , Tin  |
|                                                          | Further information: Indicative exposure limits: Indicative exposure limits                           |                 |                              |
|                                                          | FR VLE                                                                                                | VLCT (VLE)      | 0,2 mg/m <sup>3</sup> , Tin  |
|                                                          | Further information: Indicative exposure limits: Indicative exposure limits                           |                 |                              |
| Trifluoropropylmethyl cyclotrisiloxane                   | Dow IHG                                                                                               | TWA             | 5 Parts per billion          |
|                                                          | Further information: SKIN: Absorbed via skin                                                          |                 |                              |
| Acetic acid                                              | ACGIH                                                                                                 | TWA             | 10 ppm                       |
|                                                          | ACGIH                                                                                                 | STEL            | 15 ppm                       |
|                                                          | FR VLE                                                                                                | VLCT (VLE)      | 50 mg/m <sup>3</sup> 20 ppm  |
|                                                          | Further information: Indicative exposure limits: Indicative exposure limits                           |                 |                              |
|                                                          | 2017/164/EU                                                                                           | TWA             | 25 mg/m <sup>3</sup> 10 ppm  |
|                                                          | Further information: Indicative                                                                       |                 |                              |
|                                                          | 2017/164/EU                                                                                           | STEL            | 50 mg/m <sup>3</sup> 20 ppm  |
|                                                          | Further information: Indicative                                                                       |                 |                              |
|                                                          | FR VLE                                                                                                | VME             | 25 mg/m <sup>3</sup> 10 ppm  |
|                                                          | Further information: Indicative exposure limits: Indicative exposure limits                           |                 |                              |
| 1-Butanol                                                | ACGIH                                                                                                 | TWA             | 20 ppm                       |
|                                                          | FR VLE                                                                                                | VLCT (VLE)      | 150 mg/m <sup>3</sup> 50 ppm |
|                                                          | Further information: Indicative exposure limits: Indicative exposure limits                           |                 |                              |

The following substance(s), which have Occupational Exposure Limit(s) (OEL), may be formed during handling or processing:

Acetic acid

butanol

Although some of the components of this product may have exposure guidelines, no exposure would be expected under normal handling conditions due to the physical state of the material.

### Recommended monitoring procedures

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with the Occupational Exposure Limits and the adequacy of exposure controls. For some substances biological monitoring may also be appropriate. Validated exposure measurement methods should be applied by a competent person and samples should be analysed by an accredited laboratory.

Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy); European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of

exposure to chemical and biological agents); European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents). Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

Examples of sources of recommended exposure measurement methods are given below or contact the supplier. Further national methods may be available.

National Institute of Occupational Safety and Health (NIOSH), USA: Manual of Analytical Methods. Occupational Safety and Health Administration (OSHA), USA: Sampling and Analytical Methods. Health and Safety Executive (HSE), United Kingdom: Methods for the Determination of Hazardous Substances.

Institut für Arbeitsschutz Deutschen Gesetzlichen Unfallversicherung (IFA), Germany.

L'Institut National de Recherche et de Sécurité, (INRS), France.

### Derived No Effect Level

titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]

#### Workers

| <i>Acute systemic effects</i> |            | <i>Acute local effects</i> |            | <i>Long-term systemic effects</i> |            | <i>Long-term local effects</i> |             |
|-------------------------------|------------|----------------------------|------------|-----------------------------------|------------|--------------------------------|-------------|
| Dermal                        | Inhalation | Dermal                     | Inhalation | Dermal                            | Inhalation | Dermal                         | Inhalation  |
| n.a.                          | n.a.       | n.a.                       | n.a.       | n.a.                              | n.a.       | n.a.                           | 0,170 mg/m3 |

#### Consumers

| <i>Acute systemic effects</i> |            |      | <i>Acute local effects</i> |            | <i>Long-term systemic effects</i> |            |      | <i>Long-term local effects</i> |             |
|-------------------------------|------------|------|----------------------------|------------|-----------------------------------|------------|------|--------------------------------|-------------|
| Dermal                        | Inhalation | Oral | Dermal                     | Inhalation | Dermal                            | Inhalation | Oral | Dermal                         | Inhalation  |
| n.a.                          | n.a.       | n.a. | n.a.                       | n.a.       | n.a.                              | n.a.       | n.a. | n.a.                           | 0,028 mg/m3 |

Trifluoropropylmethyl cyclotrisiloxane

#### Workers

| <i>Acute systemic effects</i> |            | <i>Acute local effects</i> |            | <i>Long-term systemic effects</i> |            | <i>Long-term local effects</i> |            |
|-------------------------------|------------|----------------------------|------------|-----------------------------------|------------|--------------------------------|------------|
| Dermal                        | Inhalation | Dermal                     | Inhalation | Dermal                            | Inhalation | Dermal                         | Inhalation |
| n.a.                          | n.a.       | n.a.                       | n.a.       | 0,008 mg/kg bw/day                | 0,06 mg/m3 | n.a.                           | n.a.       |

#### Consumers

| <i>Acute systemic effects</i> |            |      | <i>Acute local effects</i> |            | <i>Long-term systemic effects</i> |            |                    | <i>Long-term local effects</i> |            |
|-------------------------------|------------|------|----------------------------|------------|-----------------------------------|------------|--------------------|--------------------------------|------------|
| Dermal                        | Inhalation | Oral | Dermal                     | Inhalation | Dermal                            | Inhalation | Oral               | Dermal                         | Inhalation |
| n.a.                          | n.a.       | n.a. | n.a.                       | n.a.       | n.a.                              | n.a.       | 0,004 mg/kg bw/day | n.a.                           | n.a.       |

### Predicted No Effect Concentration

Trifluoropropylmethyl cyclotrisiloxane

| Compartment            | PNEC        |
|------------------------|-------------|
| Sewage treatment plant | >= 100 mg/l |

## 8.2 Exposure controls

**Engineering controls:** Use local exhaust ventilation, or other engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, general ventilation should be sufficient for most operations.

### Individual protection measures

**Eye/face protection:** Use chemical goggles. Chemical goggles should be consistent with EN 166 or equivalent.

#### Skin protection

**Hand protection:** Use chemical resistant gloves classified under Standard EN374: Protective gloves against chemicals and micro-organisms. Examples of preferred glove barrier materials include: Butyl rubber. Natural rubber ("latex"). Neoprene. Nitrile/butadiene rubber ("nitrile" or "NBR"). Ethyl vinyl alcohol laminate ("EVAL"). Polyvinyl chloride ("PVC" or "vinyl"). When prolonged or frequently repeated contact may occur, a glove with a protection class of 5 or higher (breakthrough time greater than 240 minutes according to EN 374) is recommended. When only brief contact is expected, a glove with a protection class of 3 or higher (breakthrough time greater than 60 minutes according to EN 374) is recommended. Glove thickness alone is not a good indicator of the level of protection a glove provides against a chemical substance as this level of protection is also highly dependent on the specific composition of the material that the glove is fabricated from. The thickness of the glove must, depending on model and type of material, generally be more than 0.35 mm to offer sufficient protection for prolonged and frequent contact with the substance. As an exception to this general rule it is known that multilayer laminate gloves may offer prolonged protection at thicknesses less than 0.35 mm. Other glove materials with a thickness of less than 0.35 mm may offer sufficient protection when only brief contact is expected. NOTICE: The selection of a specific glove for a particular application and duration of use in a workplace should also take into account all relevant workplace factors such as, but not limited to: Other chemicals which may be handled, physical requirements (cut/puncture protection, dexterity, thermal protection), potential body reactions to glove materials, as well as the instructions/specifications provided by the glove supplier.

**Other protection:** Use protective clothing chemically resistant to this material. Selection of specific items such as face shield, boots, apron, or full body suit will depend on the task.

**Respiratory protection:** Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, wear respiratory protection when adverse effects, such as respiratory irritation or discomfort have been experienced, or where indicated by your risk assessment process. For most conditions no respiratory protection should be needed; however, if discomfort is experienced, use an approved air-purifying respirator. Use the following CE approved air-purifying respirator: Organic vapor and acid gas cartridge, type AB (meeting standard EN 14387).

### Environmental exposure controls

See SECTION 7: Handling and storage and SECTION 13: Disposal considerations for measures to prevent excessive environmental exposure during use and waste disposal.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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### 9.1 Information on basic physical and chemical properties



**Appearance**

|                                                          |                                                             |
|----------------------------------------------------------|-------------------------------------------------------------|
| Physical state                                           | paste                                                       |
| Color                                                    | white                                                       |
| Odor                                                     | acetic acid                                                 |
| Odor Threshold                                           | No data available                                           |
| pH                                                       | Not applicable, substance/mixture is non-soluble (in water) |
| Melting point/freezing point                             |                                                             |
| Melting point/range                                      | No data available                                           |
| Freezing point                                           | not determined                                              |
| Boiling point or initial boiling point and boiling range |                                                             |
| Boiling point (760 mmHg)                                 | Not applicable                                              |
| Flash point                                              | <b>Seta closed cup</b> 95 °C                                |
| Flammability (solid, gas)                                | Not classified as a flammability hazard                     |
| Flammability (liquids)                                   | Not applicable, solid                                       |
| Lower explosion limit                                    | No data available                                           |
| Upper explosion limit                                    | No data available                                           |
| Vapor Pressure                                           | Not applicable                                              |
| Relative Vapor Density (air = 1)                         | No data available                                           |
| Relative Density (water = 1)                             | 1,41                                                        |
| Solubility(ies)                                          |                                                             |
| Water solubility                                         | insoluble                                                   |
| Partition coefficient: n-octanol/water                   | not determined                                              |
| Auto-ignition temperature                                | No data available                                           |
| Decomposition temperature                                | No data available                                           |
| Kinematic Viscosity                                      | Not applicable                                              |
| Particle characteristics                                 |                                                             |
| Particle size                                            | No data available                                           |

**9.2 Other information**

|                                      |                                                             |
|--------------------------------------|-------------------------------------------------------------|
| Molecular weight                     | No data available                                           |
| Dynamic Viscosity                    | Not applicable                                              |
| Explosive properties                 | Not explosive                                               |
| Oxidizing properties                 | The substance or mixture is not classified as oxidizing.    |
| Self-heating substances              | The substance or mixture is not classified as self heating. |
| Evaporation Rate (Butyl Acetate = 1) | Not applicable                                              |

NOTE: The physical data presented above are typical values and should not be construed as a specification.

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**SECTION 10: STABILITY AND REACTIVITY**

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**10.1 Reactivity:** Not classified as a reactivity hazard.

**10.2 Chemical stability:** Stable under normal conditions.

**10.3 Possibility of hazardous reactions:** Can react with strong oxidizing agents. When heated to temperatures above 180 °C (356 °F) in the presence of air, trace quantities of formaldehyde may be released. Adequate ventilation is required. Vapours may form explosive mixture with air.

**10.4 Conditions to avoid:** None known.

**10.5 Incompatible materials:** Avoid contact with oxidizing materials.

**10.6 Hazardous decomposition products:**

Decomposition products can include and are not limited to: Benzene. Formaldehyde. Acetic acid. Hydrofluoric acid. 3,3,3-Trifluoropropionaldehyde. Butanol.

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## SECTION 11: TOXICOLOGICAL INFORMATION

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*Toxicological information appears in this section when such data are available.*

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

**Information on likely routes of exposure**

Eye contact, Skin contact, Ingestion.

**Acute toxicity (represents short term exposures with immediate effects - no chronic/delayed effects known unless otherwise noted)**

**Acute Toxicity Endpoints:**

**Acute oral toxicity**

**Information for the Product:**

Low toxicity if swallowed. Swallowing may result in irritation of the mouth, throat, and gastrointestinal tract.

As product: Single dose oral LD50 has not been determined.

Based on information for component(s):

LD50, > 2 000 mg/kg Estimated.

**Information for components:**

**titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]**

LD50, Rat, > 10 000 mg/kg

**Vinyltriacetoxysilane**

Oral LD50 has not been determined due to corrosivity.

**Vinyl di-tert-butoxy acetoxysilane**

For similar material(s): LD50, Rat, 3 310 mg/kg

**Bis(2-ethyl-2,5-dimethylhexanoyl)oxy(dimethyl)stannane**

LD50, Rat, male and female, 892 mg/kg OECD 401 or equivalent

**Trifluoropropylmethyl cyclotrisiloxane**

LD50, Rat, male and female, 4 650 mg/kg OECD 401 or equivalent

**Acute dermal toxicity****Information for the Product:**

Prolonged skin contact is unlikely to result in absorption of harmful amounts.

As product: The dermal LD50 has not been determined.

Based on information for component(s):

LD50, > 2 000 mg/kg Estimated.

**Information for components:****titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]**

LD50, Rabbit, 10 000 mg/kg

**Vinyltriacetoxysilane**

Absorption has not been determined due to corrosivity.

**Vinyl di-tert-butoxy acetoxysilane**

The dermal LD50 has not been determined.

**Bis(2-ethyl-2,5-dimethylhexanoyl)oxy(dimethyl)stannane**

LD50, Rat, &gt; 2 000 mg/kg

**Trifluoropropylmethyl cyclotrisiloxane**

LD50, Rabbit, male and female, &gt; 20 000 mg/kg OECD 402 or equivalent

**Acute inhalation toxicity****Information for the Product:**

No adverse effects are anticipated from inhalation.

As product: The LC50 has not been determined.

**Information for components:****titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]**

LC50, Rat, male, 4 Hour, dust/mist, > 6,82 mg/l No deaths occurred at this concentration.

**Vinyltriacetoxysilane**

Mist may cause severe irritation of the upper respiratory tract (nose and throat) and lungs.

LC50, Rat, 4 Hour, vapour, > 28,86 mg/l

**Vinyl di-tert-butoxy acetoxysilane**

The LC50 has not been determined.

**Bis[(2-ethyl-2,5-dimethylhexanoyl)oxy](dimethyl)stannane**

As product: The LC50 has not been determined.

**Trifluoropropylmethyl cyclotrisiloxane**

The LC50 has not been determined.

**Skin corrosion/irritation**

Causes skin irritation.

**Information for the Product:**

Based on information for component(s):

Brief contact may cause skin irritation with local redness.

**Information for components:**

**titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter  $\leq 10 \mu\text{m}$ ]**

Essentially nonirritating to skin.

**Vinyltriacetoxysilane**

Brief contact may cause skin burns. Symptoms may include pain, severe local redness and tissue damage.

**Vinyl di-tert-butoxy acetoxysilane**

For similar material(s):

Brief contact may cause severe skin burns. Symptoms may include pain, severe local redness and tissue damage.

**Bis[(2-ethyl-2,5-dimethylhexanoyl)oxy](dimethyl)stannane**

Brief contact may cause skin irritation with local redness.

**Trifluoropropylmethyl cyclotrisiloxane**

Brief contact is essentially nonirritating to skin.

**Serious eye damage/eye irritation**

Causes serious eye irritation.

**Information for the Product:**

Based on information for component(s):

May cause moderate eye irritation.

May cause moderate corneal injury.

**Information for components:****titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter  $\leq 10 \mu\text{m}$ ]**

Solid or dust may cause irritation due to mechanical action.

**Vinyltriacetoxysilane**

May cause severe irritation with corneal injury which may result in permanent impairment of vision, even blindness. Chemical burns may occur.

**Vinyl di-tert-butoxy acetoxysilane**

For similar material(s):

May cause severe irritation with corneal injury which may result in permanent impairment of vision, even blindness. Chemical burns may occur.

**Bis[(2-ethyl-2,5-dimethylhexanoyl)oxy](dimethyl)stannane**

May cause slight eye irritation.

May cause slight temporary corneal injury.

**Trifluoropropylmethyl cyclotrisiloxane**

May cause slight eye irritation.

Corneal injury is unlikely.

**Sensitization****Information for the Product:**

For skin sensitization:

Contains component(s) which have caused allergic skin sensitization in guinea pigs.

For respiratory sensitization:

No relevant data found.

**Information for components:****titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter  $\leq 10 \mu\text{m}$ ]**

Did not demonstrate the potential for contact allergy in mice.

Did not cause allergic skin reactions when tested in guinea pigs.

For respiratory sensitization:

No relevant data found.

**Vinyltriacetoxysilane**

For skin sensitization:

No relevant data found.

For respiratory sensitization:

No relevant data found.

**Vinyl di-tert-butoxy acetoxysilane**

For skin sensitization:  
No relevant data found.

For respiratory sensitization:  
No relevant data found.

**Bis[(2-ethyl-2,5-dimethylhexanoyl)oxy](dimethyl)stannane**

Has caused allergic skin reactions when tested in guinea pigs.

For respiratory sensitization:  
No relevant data found.

**Trifluoropropylmethyl cyclotrisiloxane**

For skin sensitization:  
Did not cause allergic skin reactions when tested in guinea pigs.

For respiratory sensitization:  
No relevant data found.

**Specific Target Organ Systemic Toxicity (Single Exposure)****Information for the Product:**

Product test data not available.

**Information for components:****titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter  $\leq 10 \mu\text{m}$ ]**

Evaluation of available data suggests that this material is not an STOT-SE toxicant.

**Vinyltriacetoxysilane**

Material is corrosive. Material is not classified as a respiratory irritant; however, upper respiratory tract irritation or corrosivity may be expected.

**Vinyl di-tert-butoxy acetoxysilane**

Material is corrosive. Material is not classified as a respiratory irritant; however, upper respiratory tract irritation or corrosivity may be expected.

**Bis[(2-ethyl-2,5-dimethylhexanoyl)oxy](dimethyl)stannane**

Available data are inadequate to determine single exposure specific target organ toxicity.

**Trifluoropropylmethyl cyclotrisiloxane**

Available data are inadequate to determine single exposure specific target organ toxicity.

**Aspiration Hazard****Information for the Product:**

Based on physical properties, not likely to be an aspiration hazard.

**Information for components:**

**titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter  $\leq 10 \mu\text{m}$ ]**

Based on physical properties, not likely to be an aspiration hazard.

**Vinyltriacetoxysilane**

Aspiration into the respiratory system may occur during ingestion or vomiting. Due to corrosivity, tissue damage or lung injury may occur.

**Vinyl di-tert-butoxy acetoxysilane**

Based on available information, aspiration hazard could not be determined.

**Bis[(2-ethyl-2,5-dimethylhexanoyl)oxy](dimethyl)stannane**

Based on physical properties, not likely to be an aspiration hazard.

**Trifluoropropylmethyl cyclotrisiloxane**

Based on physical properties, not likely to be an aspiration hazard.

**Chronic toxicity (represents longer term exposures with repeated dose resulting in chronic/delayed effects - no immediate effects known unless otherwise noted)**

**Specific Target Organ Systemic Toxicity (Repeated Exposure)**

**Information for the Product:**

Product test data not available.

**Information for components:**

**titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter  $\leq 10 \mu\text{m}$ ]**

Repeated excessive inhalation exposures to dusts may cause respiratory effects.

In animals, effects have been reported on the following organs:

Lung.

Due to the physical state of the material, this component is not expected to be bioavailable under normal handling and processing conditions.

**Vinyltriacetoxysilane**

For similar material(s):

Based on available data, repeated exposures are not anticipated to cause additional significant adverse effects.

**Vinyl di-tert-butoxy acetoxysilane**

No relevant data found.

**Bis[(2-ethyl-2,5-dimethylhexanoyl)oxy](dimethyl)stannane**

In animals, effects have been reported on the following organs:

Blood

Kidney

Liver  
Immune system.

**Trifluoropropylmethyl cyclotrisiloxane**

In animals, effects have been reported on the following organs:

Liver  
Heart  
Muscles.

**Carcinogenicity**

**Information for the Product:**

Product test data not available.

**Information for components:**

**titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter  $\leq 10 \mu\text{m}$ ]**

Lung fibrosis and tumors have been observed in rats exposed to titanium dioxide in two lifetime inhalation studies. Effects are believed to be due to overloading of the normal respiratory clearance mechanisms caused by the extreme study conditions. Workers exposed to titanium dioxide in the workplace have not shown an unusual incidence of chronic respiratory disease or lung cancer. Titaniumdioxide was not carcinogenic in laboratory animals in lifetime feeding studies. Due to the physical state of the material, this component is not expected to be bioavailable under normal handling and processing conditions.

**Vinyltriacetoxysilane**

No relevant data found.

**Vinyl di-tert-butoxy acetoxysilane**

No relevant data found.

**Bis[(2-ethyl-2,5-dimethylhexanoyl)oxy](dimethyl)stannane**

No relevant data found.

**Trifluoropropylmethyl cyclotrisiloxane**

No relevant data found.

**Teratogenicity**

**Information for the Product:**

Product test data not available.

**Information for components:**

**titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter  $\leq 10 \mu\text{m}$ ]**

No relevant data found.



**Vinyltriacetoxysilane**

For similar material(s): Did not cause birth defects or any other fetal effects in laboratory animals.

**Vinyl di-tert-butoxy acetoxysilane**

No relevant data found.

**Bis[(2-ethyl-2,5-dimethylhexanoyl)oxy](dimethyl)stannane**

No relevant data found.

**Trifluoropropylmethyl cyclotrisiloxane**

Has been toxic to the fetus in laboratory animals at doses toxic to the mother.

**Reproductive toxicity****Information for the Product:**

Product test data not available.

**Information for components:****titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter  $\leq 10 \mu\text{m}$ ]**

No relevant data found.

**Vinyltriacetoxysilane**

For similar material(s): In animal studies, did not interfere with reproduction.

**Vinyl di-tert-butoxy acetoxysilane**

No relevant data found.

**Bis[(2-ethyl-2,5-dimethylhexanoyl)oxy](dimethyl)stannane**

No relevant data found.

**Trifluoropropylmethyl cyclotrisiloxane**

In animal studies, has been shown to interfere with reproduction.

**Mutagenicity****Information for the Product:**

Product test data not available.

**Information for components:****titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter  $\leq 10 \mu\text{m}$ ]**

In vitro genetic toxicity studies were negative in some cases and positive in other cases. Animal genetic toxicity studies were negative.

**Vinyltriacetoxysilane**

For similar material(s): In vitro genetic toxicity studies were negative. Animal genetic toxicity studies were negative.

**Vinyl di-tert-butoxy acetoxysilane**

No relevant data found.

**Bis[(2-ethyl-2,5-dimethylhexanoyl)oxy](dimethyl)stannane**

In vitro genetic toxicity studies were negative in some cases and positive in other cases. Animal genetic toxicity studies were negative.

**Trifluoropropylmethyl cyclotrisiloxane**

In vitro genetic toxicity studies were negative. Animal genetic toxicity studies were negative.

**11.2 Information on other hazards****Endocrine disrupting properties**

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**Information for components:****titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]**

The substance is not considered to have endocrine disrupting properties according to REACH Article 57(f), Commission Regulation (EU) 2018/605 or Commission Delegated Regulation (EU) 2017/2100.

**Vinyltriacetoxysilane**

The substance is not considered to have endocrine disrupting properties according to REACH Article 57(f), Commission Regulation (EU) 2018/605 or Commission Delegated Regulation (EU) 2017/2100.

**Vinyl di-tert-butoxy acetoxysilane**

The substance is not considered to have endocrine disrupting properties according to REACH Article 57(f), Commission Regulation (EU) 2018/605 or Commission Delegated Regulation (EU) 2017/2100.

**Bis[(2-ethyl-2,5-dimethylhexanoyl)oxy](dimethyl)stannane**

The substance is not considered to have endocrine disrupting properties according to REACH Article 57(f), Commission Regulation (EU) 2018/605 or Commission Delegated Regulation (EU) 2017/2100.

**Trifluoropropylmethyl cyclotrisiloxane**

The substance is not considered to have endocrine disrupting properties according to REACH Article 57(f), Commission Regulation (EU) 2018/605 or Commission Delegated Regulation (EU) 2017/2100.

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**SECTION 12: ECOLOGICAL INFORMATION**

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*Ecotoxicological information appears in this section when such data are available.*

## 12.1 Toxicity

### **titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter $\leq 10 \mu\text{m}$ ]**

#### **Acute toxicity to fish**

Material is not classified as dangerous to aquatic organisms (LC50/EC50/IC50/LL50/EL50 greater than 100 mg/L in most sensitive species).

NOEC, *Leuciscus idus* (Golden orfe), static test, 48 Hour, > 1 000 mg/l

#### **Acute toxicity to aquatic invertebrates**

EC50, *Daphnia magna* (Water flea), static test, 48 Hour, > 1 000 mg/l

#### **Acute toxicity to algae/aquatic plants**

EC50, *Pseudokirchneriella subcapitata* (green algae), 72 Hour, > 100 mg/l, OECD Test Guideline 201

#### **Toxicity to bacteria**

EC50, 3 Hour, > 1 000 mg/l, OECD Test Guideline 209

### **Vinyltriacetoxysilane**

#### **Acute toxicity to fish**

Material is harmful to aquatic organisms (LC50/EC50/IC50 between 10 and 100 mg/L in the most sensitive species).

LC50, Rainbow trout (*Oncorhynchus mykiss*), 96 Hour, 191 mg/l

#### **Acute toxicity to aquatic invertebrates**

EC50, *Daphnia magna*, 48 Hour, 168,7 mg/l, Directive 67/548/EEC, Annex V, C.2.

#### **Acute toxicity to algae/aquatic plants**

ErC50, *Pseudokirchneriella subcapitata* (green algae), 72 Hour, Growth rate, 24,4 mg/l, OECD Test Guideline 201 or Equivalent

NOEC, *Pseudokirchneriella subcapitata* (green algae), 72 Hour, Growth rate, 18 mg/l, OECD Test Guideline 201 or Equivalent

#### **Toxicity to bacteria**

EC10, activated sludge, 3 Hour, Respiration rates., > 100 mg/l, activated sludge test (OECD 209)

### **Vinyl di-tert-butoxy acetoxysilane**

#### **Acute toxicity to fish**

No relevant data found.

### **Bis[(2-ethyl-2,5-dimethylhexanoyl)oxy](dimethyl)stannane**

#### **Acute toxicity to fish**

Material is harmful to aquatic organisms (LC50/EC50/IC50 between 10 and 100 mg/L in the most sensitive species).

For similar material(s):

LC50, Zebra fish (*Danio/Brachydanio rerio*), semi-static test, 96 Hour, > 100 mg/l, OECD Test Guideline 203 or Equivalent

**Acute toxicity to aquatic invertebrates**

EC50, Daphnia magna, static test, 48 Hour, 39 mg/l, OECD Test Guideline 202 or Equivalent

**Acute toxicity to algae/aquatic plants**

ErC50, Algae (Scenedesmus subspicatus), Growth rate, 72 Hour, Growth rate, 7,6 mg/l, OECD Test Guideline 201 or Equivalent

For similar material(s):

NOEC, Algae (Scenedesmus subspicatus), Growth rate, 72 Hour, Growth rate, 1,1 mg/l, OECD Test Guideline 201 or Equivalent

**Toxicity to bacteria**

For similar material(s):

EC50, Bacteria, 3 Hour, Respiration rates., 14 mg/l

**Trifluoropropylmethyl cyclotrisiloxane****Acute toxicity to fish**

Toxicity to aquatic species occurs at concentrations above material's water solubility.

**12.2 Persistence and degradability****titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]**

**Biodegradability:** Biodegradation is not applicable.

**Vinyltriacetoxysilane**

**Biodegradability:** For similar material(s): Material is readily biodegradable. Passes OECD test(s) for ready biodegradability.

10-day Window: Pass

**Biodegradation:** 79,5 %

**Exposure time:** 28 d

**Vinyl di-tert-butoxy acetoxysilane**

**Biodegradability:** No relevant data found.

**Bis[(2-ethyl-2,5-dimethylhexanoyl)oxy](dimethyl)stannane**

**Biodegradability:** For similar material(s): Material is expected to biodegrade very slowly (in the environment). Fails to pass OECD/EEC tests for ready biodegradability.

For similar material(s): 10-day Window: Fail

**Biodegradation:** 3 %

**Exposure time:** 28 d

**Method:** OECD Test Guideline 301F or Equivalent

**Trifluoropropylmethyl cyclotrisiloxane**

**Biodegradability:** Material is not readily biodegradable according to OECD/EEC guidelines.

10-day Window: Fail

**Biodegradation:** 0 %

**Exposure time:** 28 d

**Method:** OECD Test Guideline 301B or Equivalent

**12.3 Bioaccumulative potential****Vinyltriacetoxysilane**

**Bioaccumulation:** Bioconcentration potential is low (BCF < 100 or Log Pow < 3).

**Partition coefficient: n-octanol/water(log Pow):** 0,6 estimated

**Vinyl di-tert-butoxy acetoxysilane**

**Bioaccumulation:** No relevant data found.

**Bis[(2-ethyl-2,5-dimethylhexanoyl)oxy](dimethyl)stannane**

**Bioaccumulation:** No relevant data found.

**Trifluoropropylmethyl cyclotrisiloxane**

**Bioaccumulation:** Bioconcentration potential is low (BCF less than 100 or log Pow greater than 7).

**Partition coefficient: n-octanol/water(log Pow):** 9 Estimated by Structure-Activity Relationship (SAR).

**12.4 Mobility in soil**

**Vinyltriacetoxysilane**

**Partition coefficient (Koc):** 10 Estimated.

**Vinyl di-tert-butoxy acetoxysilane**

No relevant data found.

**Bis[(2-ethyl-2,5-dimethylhexanoyl)oxy](dimethyl)stannane**

No relevant data found.

**Trifluoropropylmethyl cyclotrisiloxane**

No relevant data found.

**12.5 Results of PBT and vPvB assessment**

**titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter  $\leq 10 \mu\text{m}$ ]**

This substance has not been assessed for persistence, bioaccumulation and toxicity (PBT).

**Vinyltriacetoxysilane**

This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

**Vinyl di-tert-butoxy acetoxysilane**

This substance has not been assessed for persistence, bioaccumulation and toxicity (PBT).

**Bis[(2-ethyl-2,5-dimethylhexanoyl)oxy](dimethyl)stannane**

This substance has not been assessed for persistence, bioaccumulation and toxicity (PBT).

**Trifluoropropylmethyl cyclotrisiloxane**

This substance is not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).

**12.6 Endocrine disrupting properties** The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]**

The substance is not considered to have endocrine disrupting properties according to REACH Article 57(f), Commission Regulation (EU) 2018/605 or Commission Delegated Regulation (EU) 2017/2100.

**Vinyltriacetoxysilane**

The substance is not considered to have endocrine disrupting properties according to REACH Article 57(f), Commission Regulation (EU) 2018/605 or Commission Delegated Regulation (EU) 2017/2100.

**Vinyl di-tert-butoxy acetoxysilane**

The substance is not considered to have endocrine disrupting properties according to REACH Article 57(f), Commission Regulation (EU) 2018/605 or Commission Delegated Regulation (EU) 2017/2100.

**Bis[(2-ethyl-2,5-dimethylhexanoyl)oxy](dimethyl)stannane**

The substance is not considered to have endocrine disrupting properties according to REACH Article 57(f), Commission Regulation (EU) 2018/605 or Commission Delegated Regulation (EU) 2017/2100.

**Trifluoropropylmethyl cyclotrisiloxane**

The substance is not considered to have endocrine disrupting properties according to REACH Article 57(f), Commission Regulation (EU) 2018/605 or Commission Delegated Regulation (EU) 2017/2100.

**12.7 Other adverse effects****titanium dioxide; [in powder form containing 1 % or more of particles with aerodynamic diameter ≤ 10 µm]**

This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

**Vinyltriacetoxysilane**

This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

**Vinyl di-tert-butoxy acetoxysilane**

This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

**Bis[(2-ethyl-2,5-dimethylhexanoyl)oxy](dimethyl)stannane**

This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

**Trifluoropropylmethyl cyclotrisiloxane**

This substance is not on the Montreal Protocol list of substances that deplete the ozone layer.

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**SECTION 13: DISPOSAL CONSIDERATIONS**

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**13.1 Waste treatment methods**

Do not dump into any sewers, on the ground, or into any body of water. This product, when being disposed of in its unused and uncontaminated state should be treated as a hazardous waste according to EC Directive 2008/98/EC. Any disposal practices must be in compliance with all national

and provincial laws and any municipal or local by-laws governing hazardous waste. For used, contaminated and residual materials additional evaluations may be required.

The definitive assignment of this material to the appropriate EWC group and thus its proper EWC code will depend on the use that is made of this material. Contact the authorized waste disposal services.

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## SECTION 14: TRANSPORT INFORMATION

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### Classification for ROAD and Rail transport (ADR/RID):

- |                                   |                                                                   |
|-----------------------------------|-------------------------------------------------------------------|
| 14.1 UN number or ID number       | Not applicable                                                    |
| 14.2 UN proper shipping name      | Not regulated for transport                                       |
| 14.3 Transport hazard class(es)   | Not applicable                                                    |
| 14.4 Packing group                | Not applicable                                                    |
| 14.5 Environmental hazards        | Not considered environmentally hazardous based on available data. |
| 14.6 Special precautions for user | No data available.                                                |

### Classification for INLAND waterways (ADNR/ADN):

Consult your Dow contact before transporting by inland waterway

### Classification for SEA transport (IMO-IMDG):

- |                                                              |                                                             |
|--------------------------------------------------------------|-------------------------------------------------------------|
| 14.1 UN number or ID number                                  | Not applicable                                              |
| 14.2 UN proper shipping name                                 | Not regulated for transport                                 |
| 14.3 Transport hazard class(es)                              | Not applicable                                              |
| 14.4 Packing group                                           | Not applicable                                              |
| 14.5 Environmental hazards                                   | Not considered as marine pollutant based on available data. |
| 14.6 Special precautions for user                            | No data available.                                          |
| 14.7 Maritime transport in bulk according to IMO instruments | Consult IMO regulations before transporting ocean bulk      |

### Classification for AIR transport (IATA/ICAO):

- |                                   |                             |
|-----------------------------------|-----------------------------|
| 14.1 UN number or ID number       | Not applicable              |
| 14.2 UN proper shipping name      | Not regulated for transport |
| 14.3 Transport hazard class(es)   | Not applicable              |
| 14.4 Packing group                | Not applicable              |
| 14.5 Environmental hazards        | Not applicable              |
| 14.6 Special precautions for user | No data available.          |

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional

transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

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## SECTION 15: REGULATORY INFORMATION

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

#### REACH Regulation (EC) No 1907/2006

This product contains only components that have been either registered, are exempt from registration, are regarded as registered or are not subject to registration according to Regulation (EC) No. 1907/2006 (REACH). The aforementioned indications of the REACH registration status are provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. It is the buyer's/user's responsibility to ensure that his/her understanding of the regulatory status of this product is correct.

#### REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)

Conditions of restriction for the following entries should be considered:  
Bis[(2-ethyl-2,5-dimethylhexanoyl)oxy](dimethyl)stannane  
(Number on list 20)

#### Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

Listed in Regulation: Not applicable

#### Installations classified for the protection of the environment (Environment Code R511-9)

not determined

#### Occupational Illnesses (R-461-3, France):

(Not applicable)

### 15.2 Chemical safety assessment

No Chemical Safety Assessment has been carried out for this substance/mixture.

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## SECTION 16: OTHER INFORMATION

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#### Full text of H-Statements referred to under sections 2 and 3.

|      |                                          |
|------|------------------------------------------|
| H302 | Harmful if swallowed.                    |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation.                  |
| H317 | May cause an allergic skin reaction.     |
| H318 | Causes serious eye damage.               |



|       |                                                                                         |
|-------|-----------------------------------------------------------------------------------------|
| H319  | Causes serious eye irritation.                                                          |
| H351  | Suspected of causing cancer if inhaled.                                                 |
| H361f | Suspected of damaging fertility.                                                        |
| H372  | Causes damage to organs through prolonged or repeated exposure if swallowed.            |
| H373  | May cause damage to organs through prolonged or repeated exposure in contact with skin. |
| H412  | Harmful to aquatic life with long lasting effects.                                      |
| H413  | May cause long lasting harmful effects to aquatic life.                                 |

**Classification and procedure used to derive the classification for mixtures according to Regulation (EC) No 1272/2008**

Skin Irrit. - 2 - H315 - Calculation method

Eye Irrit. - 2 - H319 - Calculation method

**Revision**

Identification Number: 4095685 / A560 / Issue Date: 29.12.2022 / Version: 3.0

Most recent revision(s) are noted by the bold, double bars in left-hand margin throughout this document.

**Legend**

|                 |                                                                                                                      |
|-----------------|----------------------------------------------------------------------------------------------------------------------|
| 2017/164/EU     | Europe. Commission Directive 2017/164/EU establishing a fourth list of indicative occupational exposure limit values |
| ACGIH           | USA. ACGIH Threshold Limit Values (TLV)                                                                              |
| Dow IHG         | Dow Industrial Hygiene Guideline                                                                                     |
| FR VLE          | France. Occupational Exposure Limits                                                                                 |
| STEL            | Short term exposure limit                                                                                            |
| TWA             | Time weighted average                                                                                                |
| VLCT (VLE)      | Short Term Exposure Limit                                                                                            |
| VME             | Time Weighted Average                                                                                                |
| Acute Tox.      | Acute toxicity                                                                                                       |
| Aquatic Chronic | Long-term (chronic) aquatic hazard                                                                                   |
| Carc.           | Carcinogenicity                                                                                                      |
| Eye Dam.        | Serious eye damage                                                                                                   |
| Repr.           | Reproductive toxicity                                                                                                |
| Skin Corr.      | Skin corrosion                                                                                                       |
| Skin Irrit.     | Skin irritation                                                                                                      |
| Skin Sens.      | Skin sensitisation                                                                                                   |
| STOT RE         | Specific target organ toxicity - repeated exposure                                                                   |

**Full text of other abbreviations**

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International

Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

#### Information Source and References

This SDS is prepared by Product Regulatory Services and Hazard Communications Groups from information supplied by internal references within our company.

DOW FRANCE S.A.S. urges each customer or recipient of this (M)SDS to study it carefully and consult appropriate expertise, as necessary or appropriate, to become aware of and understand the data contained in this (M)SDS and any hazards associated with the product. The information herein is provided in good faith and believed to be accurate as of the effective date shown above. However, no warranty, express or implied, is given. Regulatory requirements are subject to change and may differ between various locations. It is the buyer's/user's responsibility to ensure that his activities comply with all federal, state, provincial or local laws. The information presented here pertains only to the product as shipped. Since conditions for use of the product are not under the control of the manufacturer, it is the buyer's/user's duty to determine the conditions necessary for the safe use of this product. Due to the proliferation of sources for information such as manufacturer-specific (M)SDSs, we are not and cannot be responsible for (M)SDSs obtained from any source other than ourselves. If you have obtained an (M)SDS from another source or if you are not sure that the (M)SDS you have is current, please contact us for the most current version.

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