



according to Regulation (EC) No 1907/2006

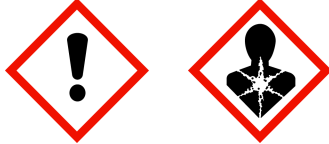
### Flexistone® Catalyst

Revision date: 17.12.2020

Product code: 10231

Page 2 of 9

#### Pictograms:



#### Hazard statements

|           |   |
|-----------|---|
| H302+H332 | Harmful if swallowed or if inhaled.   |
| H319      | Causes serious eye irritation.  |
| H341      | Suspected of causing genetic defects.   |
| H360F     | May damage fertility.   |
| H372      | Causes damage to organs (Thymus) through prolonged or repeated exposure if swallowed. |
| H412      | Harmful to aquatic life with long lasting effects.                                    |

#### Precautionary statements

|                |  |
|----------------|--|
| P201           | Obtain special instructions before use.  |
| P260           | Do not breathe dust/fume/gas/mist/vapours/spray.   |
| P280           | Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.                                    |
| P305+P351+P338 | IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. |
| P308+P313      | IF exposed or concerned: Get medical advice/attention.   |
| P310           | Immediately call a POISON CENTER/doctor.   |
| P501           | Dispose of contents/ container in accordance with local and national regulations.  |

#### Special labelling of certain mixtures

Restricted to professional users.

#### 2.3. Other hazards

No information available.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Chemical characterization

Silicon-tin-compound with auxilliary matters.

##### Hazardous components

| CAS No     | Chemical name   |          |                  | Quantity |
|------------|---|----------|------------------|----------|
|            | EC No   | Index No | REACH No         |          |
|            | GHS Classification  |          |                  |          |
| 93925-42-9 | alkylstannonic siloxanes  |          |                  | < 80 %   |
|            | 300-344-4   |          | 01-2119560586-30 |          |
|            | Flam. Liq. 3, Muta. 2, Repr. 1A, Acute Tox. 4, Acute Tox. 4, Eye Dam. 1, STOT RE 1, Aquatic Chronic 3; H226 H341 H360F H332 H302 H318 H372 H412 |          |                  |          |

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

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

First aider: Pay attention to self-protection! Remove affected person from the danger area and lay down.

##### After inhalation

Provide fresh air. When in doubt or if symptoms are observed, get medical advice.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Flexistone® Catalyst

Revision date: 17.12.2020

Product code: 10231

Page 3 of 9

#### After contact with skin

Wash with plenty of water. Immediately remove any contaminated clothing, shoes or stockings. Medical treatment necessary.

#### After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

#### After ingestion

Rinse mouth immediately and drink plenty of water. Let water be drunk in little sips (dilution effect). Seek immediately medical advice. Do not induce vomiting. In case of spontaneous vomiting take care of an unhindered flow out of the vomit (danger of suffocation).

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

No information available.

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

Treat symptomatically.

### SECTION 5: Firefighting measures

#### **5.1. Extinguishing media**

##### **Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings.

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

Non-flammable. Vapours can form explosive mixtures with air.

#### **5.3. Advice for firefighters**

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

#### **Additional information**

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

### SECTION 6: Accidental release measures

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

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

#### **6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

#### **6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

### SECTION 7: Handling and storage

#### **7.1. Precautions for safe handling**

##### **Advice on safe handling**

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

##### **Advice on protection against fire and explosion**

No special fire protection measures are necessary.

according to Regulation (EC) No 1907/2006

### Flexistone® Catalyst

Revision date: 17.12.2020

Product code: 10231

Page 4 of 9

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

##### **Requirements for storage rooms and vessels**

Keep container tightly closed. Keep locked up. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaust at critical locations.

##### **Hints on joint storage**

Do not store with acids, lyes, alcohols, metallic powders and metallic oxides (release of hydrogen is favoured).

##### **Further information on storage conditions**

Keep only in the original container in a cool, dry and well-ventilated place, away from foodstuffs.

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

Component A of a silicone based insulating material for use in dental laboratories .  
For use by trained specialist staff.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

#### 8.2. Exposure controls

##### **Appropriate engineering controls**

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray.

##### **Protective and hygiene measures**

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary . When using do not eat or drink.

##### **Eye/face protection**

Suitable eye protection: goggles.

##### **Hand protection**

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Suitable are gloves of the following material: NBR (Nitrile rubber) , Butyl caoutchouc (butyl rubber) , FKM (fluoro rubber) , CR (polychloroprene, chloroprene rubber)

##### **Skin protection**

Wear suitable protective clothing.

##### **Respiratory protection**

In case of inadequate ventilation wear respiratory protection.

### SECTION 9: Physical and chemical properties

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

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

#### **Test method**

|           |                |
|-----------|----------------|
| pH-Value: | not determined |
|-----------|----------------|

##### **Changes in the physical state**

|                |                |
|----------------|----------------|
| Melting point: | not determined |
|----------------|----------------|

|  |                   |
|--|-------------------|
| Initial boiling point and boiling range: | >200 °C DIN 51356 |
|--|-------------------|

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Flexistone® Catalyst

Revision date: 17.12.2020

Product code: 10231

Page 5 of 9

|                                     |                       |            |
|-------------------------------------|-----------------------|------------|
| Flash point:                        | >100 °C               | DIN 51755  |
| <b>Flammability</b>                 |                       |            |
| Solid:                              | not applicable        |            |
| Gas:                                | not applicable        |            |
| Lower explosion limits:             | not determined        |            |
| Upper explosion limits:             | not determined        |            |
| Ignition temperature:               | >300 °C               | DIN 51794  |
| <b>Auto-ignition temperature</b>    |                       |            |
| Solid:                              | not applicable        |            |
| Gas:                                | not applicable        |            |
| Decomposition temperature:          | >250 °C               |            |
| <b>Oxidizing properties</b>         |                       |            |
| Not oxidizing.                      |                       |            |
| Vapour pressure:<br>(at 20 °C)      | <1 hPa                |            |
| Density (at 20 °C):                 | 1,0 g/cm <sup>3</sup> | DIN 51757  |
| Water solubility:                   | insoluble             |            |
| <b>Solubility in other solvents</b> |                       |            |
| not determined                      |                       |            |
| Partition coefficient:              | not determined        |            |
| Viscosity / dynamic:<br>(at 23 °C)  | <80 mPa·s             | BROOKFIELD |
| Vapour density:                     | not determined        |            |
| Evaporation rate:                   | not determined        |            |

#### **9.2. Other information**

|                |                |
|----------------|----------------|
| Solid content: | not determined |
|----------------|----------------|

### SECTION 10: Stability and reactivity

#### **10.1. Reactivity**

No hazardous reaction when handled and stored according to provisions.

#### **10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

#### **10.3. Possibility of hazardous reactions**

Reacts with : strong oxidising agents.

#### **10.4. Conditions to avoid**

Higher temperatures advance the formation of flammable vapours, therefore don't expose the product to increased temperatures.

#### **10.5. Incompatible materials**

No information available.

#### **10.6. Hazardous decomposition products**

No known hazardous decomposition products.

### SECTION 11: Toxicological information

#### **11.1. Information on toxicological effects**

according to Regulation (EC) No 1907/2006

### Flexistone® Catalyst

Revision date: 17.12.2020

Product code: 10231

Page 6 of 9

#### Acute toxicity

Harmful if swallowed.

Harmful if inhaled.

For the product itself no toxicological data are available. In products with a comparable composition a LD50 (orally, species rat) of >2000 mg/kg has been found.

#### ATEmix calculated

ATE (oral) 500,0 mg/kg; ATE (inhalation vapour) 11,00 mg/l; ATE (inhalation aerosol) 1,500 mg/l

| CAS No     | Chemical name            |               |         |        |        |
|------------|--------------------------|---------------|---------|--------|--------|
|            | Exposure route           | Dose          | Species | Source | Method |
| 93925-42-9 | alkylstannonic siloxanes |               |         |        |        |
|            | oral                     | ATE 500 mg/kg |         |        |        |
|            | inhalation vapour        | ATE 11 mg/l   |         |        |        |
|            | inhalation aerosol       | ATE 1,5 mg/l  |         |        |        |

#### Irritation and corrosivity

Causes serious eye irritation.

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

Based on a Bovine Corneal Permeability Study conducted in accordance with OECD Guideline No. 437 (July 2013), H318 is not shown.

EC regulation 1272/2008 annex 1, section 1.1.1.5: "For the purpose of classification of health hazards (part 3), the route of exposure, information on mechanisms and metabolism studies are useful for determining the relevance of effects in humans. If this information raises doubts as to their relevance in humans, in spite of the indisputable data legitimacy and quality, a lower classification may be justified. When there is scientific evidence that the mechanism or mode of action is not relevant to humans, the substance or mixture should not be classified."

#### Sensitising effects

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

#### Carcinogenic/mutagenic/toxic effects for reproduction

Suspected of causing genetic defects. (alkylstannonic siloxanes)

May damage fertility. (alkylstannonic siloxanes)

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

#### STOT-single exposure

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

#### STOT-repeated exposure

Causes damage to organs through prolonged or repeated exposure. (alkylstannonic siloxanes)

#### Aspiration hazard

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

#### Additional information on tests

This mixture is classified as hazardous according to regulation (EC) No. 1272/2008 [CLP]. Special hazards arising from the substance or mixture!

## SECTION 12: Ecological information

### 12.1. Toxicity

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### 12.2. Persistence and degradability

The product has not been tested.

### 12.3. Bioaccumulative potential

The product has not been tested.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Flexistone® Catalyst

Revision date: 17.12.2020

Product code: 10231

Page 7 of 9

#### 12.4. Mobility in soil

The product has not been tested.

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

Not identified as PBT/ vPvB substances

#### 12.6. Other adverse effects

No information available.

#### **Further information**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### **Disposal recommendations**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

##### **Contaminated packaging**

This material and its container must be disposed of as hazardous waste. Handle contaminated packages in the same way as the substance itself.

### SECTION 14: Transport information

#### **Land transport (ADR/RID)**

##### 14.1. UN number:

No dangerous good in sense of this transport regulation.

##### 14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

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

No dangerous good in sense of this transport regulation.

##### 14.4. Packing group:

No dangerous good in sense of this transport regulation.

#### **Inland waterways transport (ADN)**

##### 14.1. UN number:

No dangerous good in sense of this transport regulation.

##### 14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

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

No dangerous good in sense of this transport regulation.

##### 14.4. Packing group:

No dangerous good in sense of this transport regulation.

#### **Marine transport (IMDG)**

##### 14.1. UN number:

No dangerous good in sense of this transport regulation.

##### 14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

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

No dangerous good in sense of this transport regulation.

##### 14.4. Packing group:

No dangerous good in sense of this transport regulation.

#### **Air transport (ICAO-TI/IATA-DGR)**

##### 14.1. UN number:

No dangerous good in sense of this transport regulation.

##### 14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

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

No dangerous good in sense of this transport regulation.

##### 14.4. Packing group:

No dangerous good in sense of this transport regulation.

#### 14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

#### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No dangerous good in sense of this transport regulation.

### SECTION 15: Regulatory information

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

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Flexistone® Catalyst

Revision date: 17.12.2020

Product code: 10231

Page 8 of 9

#### EU regulatory information

##### Additional information

To follow: 850/2004/EC, 79/117/EEC, 689/2008/EC

##### National regulatory information

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

Water hazard class (D): 3 - strongly hazardous to water

#### 15.2. Chemical safety assessment

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

### SECTION 16: Other information

#### Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route  
(European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service  
LC50: Lethal concentration, 50%  
LD50: Lethal dose, 50%

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

| Classification          | Classification procedure |
|-------------------------|--------------------------|
| Acute Tox. 4; H302      | Calculation method       |
| Acute Tox. 4; H332      | Calculation method       |
| Eye Irrit. 2; H319      |                          |
| Muta. 2; H341           | Calculation method       |
| Repr. 1A; H360F         | Calculation method       |
| STOT RE 1; H372         | Calculation method       |
| Aquatic Chronic 3; H412 | Calculation method       |

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

|           |   |
|-----------|---|
| H226      | Flammable liquid and vapour.  |
| H302      | Harmful if swallowed.   |
| H302+H332 | Harmful if swallowed or if inhaled.   |
| H318      | Causes serious eye damage.  |
| H319      | Causes serious eye irritation.  |
| H332      | Harmful if inhaled.   |
| H341      | Suspected of causing genetic defects.   |
| H360F     | May damage fertility.   |
| H372      | Causes damage to organs (Thymus) through prolonged or repeated exposure if swallowed. |
| H372      | Causes damage to organs through prolonged or repeated exposure.                       |
| H412      | Harmful to aquatic life with long lasting effects.                                    |

#### Further Information

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



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Flexistone® Catalyst

Revision date: 17.12.2020

Product code: 10231

Page 9 of 9

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