

# SAFETY DATA SHEET



Flex 310 M liquid MS-Polymer

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

### 1.1 Product identifier

**Product name** : Flex 310 M liquid MS-Polymer  
**UFI** : CYJ0-Y010-T00M-2SS6  
**Product code** : 133330  
**Color** : White.

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

| Identified uses                |
|--------------------------------|
| Adhesives-Sealants-Elasticizer |

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

WEICON GmbH & Co. KG  
Königsberger Str. 255  
48157 Münster  
Germany  
Phone: +49 251 93220  
Fax: +49(0)251 / 9322 - 244  
Internet: www.weicon.de

**e-mail address of person responsible for this SDS** : msds@weicon.de

### 1.4 Emergency telephone number

**Telephone number** : EMERGENCY CONTACT – UK, UAE, South Africa (24h): Tel: ++44 1865 407333 (English)  
TRANSPORT EMERGENCY CONTACT - UK, UAE, South Africa (24h): Tel: ++44 1865 407333 (English)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Product definition** : Mixture

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

Not classified.

The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.  
See Section 11 for more detailed information on health effects and symptoms.

### 2.2 Label elements

**Signal word** : No signal word.  
**Hazard statements** : No known significant effects or critical hazards.  
**Precautionary statements**  
**Prevention** : Not applicable.  
**Response** : Not applicable.  
**Storage** : Not applicable.  
**Disposal** : Not applicable.

## SECTION 2: Hazards identification

**Supplemental label elements** : Contains trimethoxyvinylsilane and decanedioic acid, 1,10-bis(1,2,2,6,6-pentamethyl-4-piperidinyl) ester, mixt. with 1-methyl 10-(1,2,2,6,6-pentamethyl-4-piperidinyl) decanedioate. May produce an allergic reaction.  
Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** : Not applicable.

### 2.3 Other hazards

**Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII** : This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

**Other hazards which do not result in classification** : None known.

## SECTION 3: Composition/information on ingredients

**3.2 Mixtures** : Mixture

| Product/ingredient name                                                                                                                          | Identifiers                                                                             | %    | Classification                                                                                                                                             | Specific Conc. Limits, M-factors and ATEs | Type           |
|--------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------|
| Hydrocarbons, C11-C12, n-alkanes, isoalkanes, cyclics, <2% aromatics                                                                             | REACH #:<br>01-2119472146-39<br>EC: 918-167-1<br>CAS: -                                 | ≤10  | Flam. Liq. 3, H226<br>Asp. Tox. 1, H304<br>Aquatic Chronic 4, H413                                                                                         | -                                         | [1]            |
| titanium dioxide                                                                                                                                 | REACH #:<br>01-2119489379-17<br>EC: 236-675-5<br>CAS: 13463-67-7<br>Index: 022-006-00-2 | ≤3   | Carc. 2, H351<br>(inhalation)                                                                                                                              | -                                         | [1] [2]<br>[*] |
| trimethoxyvinylsilane                                                                                                                            | REACH #:<br>01-2119513215-52<br>EC: 220-449-8<br>CAS: 2768-02-7                         | <1   | Flam. Liq. 3, H226<br>Acute Tox. 4, H332<br>Skin Sens. 1B, H317                                                                                            | ATE [Inhalation (vapours)] = 11 mg/l      | [1]            |
| decanedioic acid, 1,10-bis(1,2,2,6,6-pentamethyl-4-piperidinyl) ester, mixt. with 1-methyl 10-(1,2,2,6,6-pentamethyl-4-piperidinyl) decanedioate | REACH #:<br>01-2119491304-40<br>EC: 915-687-0<br>CAS: 1065336-91-5                      | <0.1 | Skin Sens. 1A, H317<br>Aquatic Acute 1, H400<br>Aquatic Chronic 1, H410<br><br><b>See Section 16 for the full text of the H statements declared above.</b> | M [Acute] = 1<br>M [Chronic] = 1          | [1]            |

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Type

## SECTION 3: Composition/information on ingredients

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

[\*] The classification as a carcinogen by inhalation applies only to mixtures placed on the market in powder form containing 1% or more of titanium dioxide particles with aerodynamic diameter  $\leq 10 \mu\text{m}$  not bound within a matrix.

Occupational exposure limits, if available, are listed in Section 8.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
- Skin contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.
- Ingestion** : Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training.

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

#### Over-exposure signs/symptoms

- Eye contact** : No specific data.
- Inhalation** : No specific data.
- Skin contact** : No specific data.
- Ingestion** : No specific data.

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

- Notes to physician** : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.
- Specific treatments** : No specific treatment.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : None known.

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

- Hazards from the substance or mixture** : No specific fire or explosion hazard.
- Hazardous combustion products** : Decomposition products may include the following materials: metal oxide/oxides

### 5.3 Advice for firefighters

- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

## SECTION 5: Firefighting measures

- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

## SECTION 6: Accidental release measures

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

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

- 6.2 Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

- 6.3 Methods and materials for containment and cleaning up** : Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.

- 6.4 Reference to other sections** : See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information.

## SECTION 7: Handling and storage

The information in this section contains generic advice and guidance.

### 7.1 Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8).
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

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

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

### 7.3 Specific end use(s)

- Recommendations** : Not available.
- Industrial sector specific solutions** : Not available.

## SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

### 8.1 Control parameters

#### Occupational exposure limits

| Product/ingredient name | Exposure limit values                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| titanium dioxide        | <b>TRGS 900 OEL (Germany, 7/2021).</b> []<br>TWA: 1.25 mg/m <sup>3</sup> 8 hours. Form: alveolar fraction<br>PEAK: 2.5 mg/m <sup>3</sup> 15 minutes. Form: alveolar fraction<br>PEAK: 20 mg/m <sup>3</sup> 15 minutes. Form: inhalable fraction<br>TWA: 10 mg/m <sup>3</sup> 8 hours. Form: inhalable fraction<br><b>DFG MAC-values list (Germany, 10/2021).</b><br>PEAK: 2.4 mg/m <sup>3</sup> , 4 times per shift, 15 minutes. Form: respirable fraction<br>TWA: 0.3 mg/m <sup>3</sup> 8 hours. Form: respirable fraction |
| methanol                | <b>[Air contaminant - General manufacturing process]</b><br><b>TRGS 900 OEL (Germany, 7/2021). Absorbed through skin.</b><br>TWA: 130 mg/m <sup>3</sup> 8 hours.<br>PEAK: 260 mg/m <sup>3</sup> 15 minutes.<br>TWA: 100 ppm 8 hours.<br>PEAK: 200 ppm 15 minutes.<br><b>DFG MAC-values list (Germany, 10/2021). Absorbed through skin.</b><br>TWA: 100 ppm 8 hours.<br>PEAK: 200 ppm, 4 times per shift, 15 minutes.<br>TWA: 130 mg/m <sup>3</sup> 8 hours.<br>PEAK: 260 mg/m <sup>3</sup> , 4 times per shift, 15 minutes. |

**Recommended monitoring procedures** : If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. 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.

#### DNELs/DMELs

| Product/ingredient name | Type | Exposure             | Value                  | Population         | Effects  |
|-------------------------|------|----------------------|------------------------|--------------------|----------|
| titanium dioxide        | DNEL | Long term Inhalation | 10 mg/m <sup>3</sup>   | Workers            | Local    |
|                         | DNEL | Long term Oral       | 700 mg/kg bw/day       | General population | Systemic |
| trimethoxyvinylsilane   | DNEL | Long term Oral       | 0.3 mg/kg bw/day       | General population | Systemic |
|                         | DNEL | Long term Dermal     | 0.3 mg/kg bw/day       | General population | Systemic |
|                         | DNEL | Long term Dermal     | 0.69 mg/kg bw/day      | Workers            | Systemic |
|                         | DNEL | Long term            | 1.04 mg/m <sup>3</sup> | General            | Systemic |

## SECTION 8: Exposure controls/personal protection

|                                                                                                                                                            |      |                       |                        |                    |          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------------------|------------------------|--------------------|----------|
| decanedioic acid, 1,10-bis<br>(1,2,2,6,6-pentamethyl-4-piperidinyloxy) ester, mixt. with 1-methyl 10-(1,2,2,6,6-pentamethyl-4-piperidinyloxy) decanedioate |      | Inhalation            |                        | population         |          |
|                                                                                                                                                            | DNEL | Long term Inhalation  | 4.9 mg/m <sup>3</sup>  | Workers            | Systemic |
|                                                                                                                                                            | DNEL | Short term Dermal     | 26.9 mg/kg bw/day      | General population | Systemic |
|                                                                                                                                                            | DNEL | Short term Inhalation | 93.4 mg/m <sup>3</sup> | General population | Systemic |
|                                                                                                                                                            | DNEL | Long term Oral        | 0.18 mg/kg bw/day      | General population | Systemic |
|                                                                                                                                                            | DNEL | Long term Inhalation  | 0.31 mg/m <sup>3</sup> | General population | Systemic |
|                                                                                                                                                            | DNEL | Long term Dermal      | 0.9 mg/kg bw/day       | General population | Systemic |
|                                                                                                                                                            | DNEL | Long term Inhalation  | 1.27 mg/m <sup>3</sup> | Workers            | Systemic |
|                                                                                                                                                            | DNEL | Long term Dermal      | 1.8 mg/kg bw/day       | Workers            | Systemic |

### PNECs

No PNECs available.

### 8.2 Exposure controls

**Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

### Individual protection measures

**Hygiene measures** : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection** : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

### Skin protection

**Hand protection** : Recommended : 1 - 4 hours (breakthrough time): nitrile rubber 4 - 8 hours (breakthrough time): Viton®/butyl rubber

**Body protection** : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection** : In case of insufficient ventilation, wear suitable respiratory equipment.

**Environmental exposure controls** : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

|                                              |                               |
|----------------------------------------------|-------------------------------|
| Physical state                               | : Solid.                      |
| Color                                        | : White.                      |
| Odor                                         | : Characteristic.             |
| Odor threshold                               | : Not available.              |
| Melting point/freezing point                 | : Not available.              |
| Initial boiling point and boiling range      | : Not available.              |
| Flammability                                 | : Not available.              |
| Upper/lower flammability or explosive limits | : Lower: 0.1%<br>Upper: 7%    |
| Flash point                                  | : Closed cup: >100°C (>212°F) |
| Auto-ignition temperature                    | : Not applicable.             |
| Decomposition temperature                    | : Not available.              |
| pH                                           | : Not applicable.             |
| Viscosity                                    | : Not applicable.             |
| Solubility(ies)                              | :<br>Not available.           |

Solubility in water : Not available.

Miscible with water : No.

Partition coefficient: n-octanol/ water : Not applicable.

Vapor pressure : <0 kPa (<0 mm Hg)

Relative density : Not available.

Density : 1.48 g/cm<sup>3</sup> [20°C (68°F)]

Vapor density : Not applicable.

Explosive properties : Not available.

Oxidizing properties : Not available.

#### Particle characteristics

Median particle size : Not available.

Fire point : >200°C

SADT : Not available.

SAPT : Not available.

## SECTION 10: Stability and reactivity

10.1 Reactivity : No specific test data related to reactivity available for this product or its ingredients.

10.2 Chemical stability : The product is stable.

10.3 Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid : No specific data.

10.5 Incompatible materials : No specific data.

## SECTION 10: Stability and reactivity

**10.6 Hazardous decomposition products** : Highly reactive or incompatible with the following materials: oxidizing materials.  
Reactive or incompatible with the following materials: acids.  
contact with water-Products of degradation-methanol

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

**Conclusion/Summary** : Not available.

#### Acute toxicity estimates

Not available.

#### Irritation/Corrosion

| Product/ingredient name | Result               | Species | Score | Exposure          | Observation |
|-------------------------|----------------------|---------|-------|-------------------|-------------|
| titanium dioxide        | Skin - Mild irritant | Human   | -     | 72 hours 300 ug l | -           |

**Conclusion/Summary** : Not available.

#### Sensitization

**Conclusion/Summary** : Not available.

#### Mutagenicity

**Conclusion/Summary** : Not available.

#### Carcinogenicity

It has been observed that the carcinogenic hazard of this product arises when respirable dust is inhaled in quantities leading to significant impairment of particle clearance mechanisms in the lung.

**Conclusion/Summary** : Not available.

#### Reproductive toxicity

**Conclusion/Summary** : Not available.

#### Teratogenicity

**Conclusion/Summary** : Not available.

#### Specific target organ toxicity (single exposure)

Not available.

#### Specific target organ toxicity (repeated exposure)

Not available.

#### Aspiration hazard

| Product/ingredient name                                             | Result                         |
|---------------------------------------------------------------------|--------------------------------|
| Hydrocarbons, C11-C12, n-alkanes, isoalkanes, cyclics,<2% aromatics | ASPIRATION HAZARD - Category 1 |

**Information on the likely routes of exposure** : Not available.

#### Potential acute health effects

**Eye contact** : No known significant effects or critical hazards.

**Inhalation** : No known significant effects or critical hazards.

**Skin contact** : No known significant effects or critical hazards.

**Ingestion** : No known significant effects or critical hazards.

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

**Eye contact** : No specific data.

**Inhalation** : No specific data.

**Skin contact** : No specific data.

## SECTION 11: Toxicological information

**Ingestion** : No specific data.

### Delayed and immediate effects and also chronic effects from short and long term exposure

#### Short term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Long term exposure

**Potential immediate effects** : Not available.

**Potential delayed effects** : Not available.

#### Potential chronic health effects

Not available.

**Conclusion/Summary** : Not available.

**General** : No known significant effects or critical hazards.

**Carcinogenicity** : No known significant effects or critical hazards.

**Mutagenicity** : No known significant effects or critical hazards.

**Teratogenicity** : No known significant effects or critical hazards.

**Developmental effects** : No known significant effects or critical hazards.

**Fertility effects** : No known significant effects or critical hazards.

### 11.2 Information on other hazards

#### 11.2.1 Endocrine disrupting properties

Not available.

#### 11.2.2 Other information

Not available.

## SECTION 12: Ecological information

### 12.1 Toxicity

| Product/ingredient name | Result                             | Species                                    | Exposure |
|-------------------------|------------------------------------|--------------------------------------------|----------|
| titanium dioxide        | Acute EC50 19.3 mg/l Fresh water   | Daphnia - Daphnia magna                    | 48 hours |
|                         | Acute EC50 27.8 mg/l Fresh water   | Daphnia - Daphnia magna                    | 48 hours |
|                         | Acute EC50 35.306 mg/l Fresh water | Daphnia - Daphnia magna - Neonate          | 48 hours |
|                         | Acute LC50 3 mg/l Fresh water      | Crustaceans - Ceriodaphnia dubia - Neonate | 48 hours |
|                         | Acute LC50 13.4 mg/l Fresh water   | Crustaceans - Ceriodaphnia dubia - Neonate | 48 hours |
|                         | Acute LC50 11 mg/l Fresh water     | Crustaceans - Ceriodaphnia dubia - Neonate | 48 hours |
|                         | Acute LC50 3.6 mg/l Fresh water    | Crustaceans - Ceriodaphnia dubia - Neonate | 48 hours |
|                         | Acute LC50 15.9 mg/l Fresh water   | Crustaceans - Ceriodaphnia dubia - Neonate | 48 hours |
|                         | Acute LC50 6.5 mg/l Fresh water    | Daphnia - Daphnia pulex - Neonate          | 48 hours |

## SECTION 12: Ecological information

|  |                                       |                                   |          |
|--|---------------------------------------|-----------------------------------|----------|
|  | Acute LC50 13 mg/l Fresh water        | Daphnia - Daphnia pulex - Neonate | 48 hours |
|  | Acute LC50 >1000000 µg/l Marine water | Fish - Fundulus heteroclitus      | 96 hours |
|  | Acute LC50 >1000 mg/l Fresh water     | Fish - Pimephales promelas        | 96 hours |

**Conclusion/Summary** : Not available.

### 12.2 Persistence and degradability

**Conclusion/Summary** : Not available.

### 12.3 Bioaccumulative potential

Not available.

### 12.4 Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

**Mobility** : Not available.

### 12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

### 12.6 Endocrine disrupting properties

Not available.

### 12.7 Other adverse effects

No known significant effects or critical hazards.

## SECTION 13: Disposal considerations

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 13.1 Waste treatment methods

#### Product

**Methods of disposal** : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

**Hazardous waste** : Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 2008/98/EC.

#### European waste catalogue (EWC)

| Waste code | Waste designation                                                                      |
|------------|----------------------------------------------------------------------------------------|
| 08 04 09*  | waste adhesives and sealants containing organic solvents or other hazardous substances |

#### Packaging

**Methods of disposal** : The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

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## SECTION 13: Disposal considerations

| Type of packaging | European waste catalogue (EWC)                                           |
|-------------------|--------------------------------------------------------------------------|
| 15 01 10*         | packaging containing residues of or contaminated by hazardous substances |

**Special precautions** : This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## SECTION 14: Transport information

|                                        | ADR/RID                   | IMDG                      | IATA           |
|----------------------------------------|---------------------------|---------------------------|----------------|
| <b>14.1 UN number</b>                  | Not available.            | Not available.            | Not available. |
| <b>14.2 UN proper shipping name</b>    | Not available.            | Not available.            | Not available. |
| <b>14.3 Transport hazard class(es)</b> | Not available.            | Not available.            | Not available. |
| <b>14.4 Packing group</b>              | -                         | -                         | -              |
| <b>14.5 Environmental hazards</b>      | No.<br><br>Not available. | No.<br><br>Not available. | No.            |

**14.6 Special precautions for user** : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

**14.7 Transport in bulk according to IMO instruments** : Not available.

## SECTION 15: Regulatory information

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

**EU Regulation (EC) No. 1907/2006 (REACH)**

**Annex XIV - List of substances subject to authorization**

**Annex XIV**

None of the components are listed.

**Substances of very high concern**

None of the components are listed.

**Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles** : Not applicable.

**Restrictions on Manufacture, Marketing and Use**

| Country | Product name | Conc. | Designation | Usage |
|---------|--------------|-------|-------------|-------|
|---------|--------------|-------|-------------|-------|

**Other EU regulations**

## SECTION 15: Regulatory information

**Industrial emissions** : Not listed  
(integrated pollution prevention and control) - Air

**Industrial emissions** : Not listed  
(integrated pollution prevention and control) - Water

### Ozone depleting substances (1005/2009/EU)

Not listed.

### Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

### Persistent Organic Pollutants

Not listed.

**VOC content** : 5.02 %

**VOC (g/L)** : 74.2

### Seveso Directive

This product is not controlled under the Seveso Directive.

### National regulations

| Product/ingredient name | List name           | Name on list                          | Classification | Notes |
|-------------------------|---------------------|---------------------------------------|----------------|-------|
| titanium dioxide        | DFG MAC-values list | Titanium dioxide (inhalable fraction) | K3             | -     |

**Storage class (TRGS 510)** : 13

### Hazardous incident ordinance

This product is not controlled under the Germany Hazardous Incident Ordinance.

**Hazard class for water** : 1

**Technical instruction on air quality control** : TA-Luft Number 5.2.5: 22-41%  
TA-Luft Number 5.2.1: 0.1-2.5%

### International regulations

#### Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

### Montreal Protocol

Not listed.

### Stockholm Convention on Persistent Organic Pollutants

Not listed.

### Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

### UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

### Inventory list

**Australia** : Not determined.  
**Canada** : Not determined.  
**China** : All components are listed or exempted.  
**Eurasian Economic Union** : **Russian Federation inventory**: Not determined.

## SECTION 15: Regulatory information

|                                        |                                                                                                    |
|----------------------------------------|----------------------------------------------------------------------------------------------------|
| <b>Japan</b>                           | : <b>Japan inventory (CSCL):</b> Not determined.<br><b>Japan inventory (ISHL):</b> Not determined. |
| <b>New Zealand</b>                     | : Not determined.                                                                                  |
| <b>Philippines</b>                     | : Not determined.                                                                                  |
| <b>Republic of Korea</b>               | : Not determined.                                                                                  |
| <b>Taiwan</b>                          | : Not determined.                                                                                  |
| <b>Thailand</b>                        | : Not determined.                                                                                  |
| <b>Turkey</b>                          | : Not determined.                                                                                  |
| <b>United States</b>                   | : All components are active or exempted.                                                           |
| <b>Viet Nam</b>                        | : Not determined.                                                                                  |
| <b>15.2 Chemical Safety Assessment</b> | : This product contains substances for which Chemical Safety Assessments are still required.       |

## SECTION 16: Other information

Indicates information that has changed from previously issued version.

|                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Abbreviations and acronyms</b> | : ATE = Acute Toxicity Estimate<br>CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]<br>DMEL = Derived Minimal Effect Level<br>DNEL = Derived No Effect Level<br>EUH statement = CLP-specific Hazard statement<br>N/A = Not available<br>PBT = Persistent, Bioaccumulative and Toxic<br>PNEC = Predicted No Effect Concentration<br>RRN = REACH Registration Number<br>SGG = Segregation Group<br>vPvB = Very Persistent and Very Bioaccumulative |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

| Classification  | Justification |
|-----------------|---------------|
| Not classified. |               |

### Full text of abbreviated H statements

|                                                              |                                                                                                                                                                                                                                                                                                                                |
|--------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| H226<br>H304<br>H317<br>H332<br>H351<br>H400<br>H410<br>H413 | Flammable liquid and vapor.<br>May be fatal if swallowed and enters airways.<br>May cause an allergic skin reaction.<br>Harmful if inhaled.<br>Suspected of causing cancer.<br>Very toxic to aquatic life.<br>Very toxic to aquatic life with long lasting effects.<br>May cause long lasting harmful effects to aquatic life. |
|--------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Full text of classifications [CLP/GHS]

|                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Acute Tox. 4<br>Aquatic Acute 1<br>Aquatic Chronic 1<br>Aquatic Chronic 4<br>Asp. Tox. 1<br>Carc. 2<br>Flam. Liq. 3<br>Skin Sens. 1A<br>Skin Sens. 1B | ACUTE TOXICITY - Category 4<br>AQUATIC HAZARD (ACUTE) - Category 1<br>AQUATIC HAZARD (LONG-TERM) - Category 1<br>AQUATIC HAZARD (LONG-TERM) - Category 4<br>ASPIRATION HAZARD - Category 1<br>CARCINOGENICITY - Category 2<br>FLAMMABLE LIQUIDS - Category 3<br>SKIN SENSITIZATION - Category 1A<br>SKIN SENSITIZATION - Category 1B |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                        |              |
|----------------------------------------|--------------|
| <b>Date of printing</b>                | : 10/20/2022 |
| <b>Date of issue/ Date of revision</b> | : 10/19/2022 |
| <b>Date of previous issue</b>          | : 10/19/2022 |
| <b>Version</b>                         | : 3.02       |

## SECTION 16: Other information

### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.