

Product Weatherguard Bases  
 Revision date 25 January 2021  
 Revision 1



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

---

**Section 1: Identification of the substance/mixture and of the company/undertaking**

---

**1.1 Product identifier**

|                                      |                           |
|--------------------------------------|---------------------------|
| <b>Product name</b>                  | <b>Weatherguard Bases</b> |
| <b>Other means of identification</b> | No information available. |

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

|                             |   |
|-----------------------------|---|
| <b>Identified uses</b>      | Paint or paint related material.        |
| <b>Uses advised against</b> | No uses advised against are identified. |

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

|                       |  |
|-----------------------|--|
| <b>Supplier</b>       | FSW Coatings Ltd<br>Virginia<br>Co Cavan<br>Ireland<br>Tel: 353 49854 7209 |
| <b>Contact person</b> | info@fsw.ie  |

**1.4 Emergency telephone number**

|  |   |
|--|---|
| <b>Emergency telephone</b>                 | + 353 49854 7209 (Between 0900 and 1700 hrs Monday-Friday)  |
| <b>National emergency telephone number</b> | Outside those hours, contact National Poisons Information Centre, Beaumont Hospital.<br>Members of Public: +353 (1) 809 2166. (8.00 a.m. to 10.00 p.m. 7 days a week) Healthcare Professionals: +353 (1) 809 2566 (24 hour service) |

---

**Section 2: Hazards identification**

---

**2.1 Classification of the substance or mixture**

|                                      |                          |
|--------------------------------------|--------------------------|
| <b>Classification (EC 1272/2008)</b> |                          |
| Physical and chemical hazards        | Not classified           |
| Human health                         | Not classified           |
| Environment                          | Aquatic Chronic 3 - H412 |

**2.2 Label elements**

|  |  |
|--|--|
| <b>Contains</b>                                    | Not applicable   |
| <b>Label in accordance with (EC) no. 1272/2008</b> | No pictogram required  |
| <b>Signal word</b>                                 | No Signal Word   |
| <b>Hazard statements</b>                           | H412 Harmful to aquatic life with long lasting effects.  |
| <b>Precautionary statements</b>                    | <b>Prevention</b><br>P273 Avoid release to the environment.<br><b>Disposal</b><br>P501 Dispose of contents/ container to a licensed hazardous waste disposal facility in accordance with all applicable regulations. |
| <b>EUH statements</b>                              | EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.  |

**2.3 Other hazards**

None known.

**Section 3: Composition/identification of ingredients****3.1 Substance**

Not applicable.

**3.2 Mixtures**

| Name  | Product identifier   | Regulation (EC) No 1272/2008   | %      |
|---|--|--|--------|
| titanium dioxide  | CAS-No.: 13463-67-7<br>EC No.: 236-675-5   |  | 10-15% |
| Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> )                           | CAS-No.: 14807-96-6<br>EC No.: 238-877-9   |  | 1-5%   |
| diiron trioxide   | CAS-No.: 1309-37-1<br>EC No.: 215-168-2  |  | <0.1%  |
| 2,2'-oxydiethanol   | CAS-No.: 111-46-6<br>EC No.: 203-872-2<br>REACH Reg No.:<br>01-2119457857-21-0000  | Acute Tox 4 - H302, STOT RE 2 - H373   | <0.1%  |
| diuron (ISO) 3-(3,4-dichlorophenyl)-1,1-dimethylurea  | CAS-No.: 330-54-1<br>EC No.: 206-354-4   | Acute Tox 4 - H302, Carc. 2 - H351, STOT RE 2 - H373, Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410                       | <0.1%  |
| 2-aminoethanol  | CAS-No.: 141-43-5<br>EC No.: 205-483-3<br>REACH Reg No.:<br>01-2119486455-28-0030  | Acute Tox 4 - H302, Acute Tox 4 - H312, Acute Tox 4 - H332, Skin Corr. 1B - H314, STOT SE 3 - H335, Aquatic Chronic 3 - H412 | <0.1%  |
| 2,2',2''-nitrilotriethanol  | CAS-No.: 102-71-6<br>EC No.: 203-049-8<br>REACH Reg No.:<br>01-2119486482-31-XXXX  |  | <0.1%  |
| zinc oxide  | CAS-No.: 1314-13-2<br>EC No.: 215-222-5<br>REACH Reg No.:<br>01-2119463881-32-0000 | Aquatic Acute 1 - H400, Aquatic Chronic 1 - H410   | <0.1%  |
| MICA Mica Mica-group minerals Mica-group minerals Muscovite mica Potassium aluminum silicate mica | CAS-No.: 12001-26-2<br>EC No.:   |  | <0.1%  |

The full text for all hazard statements are displayed in section 16.

**Composition comments**

The data shown are in accordance with the latest EC Directives.

diuron (ISO) 3-(3,4-dichlorophenyl)-1,1-dimethylurea: M = 10.

2-aminoethanol: Specific Concentration Limit - STOT SE3 / H335; &gt;= 5.

This mixture is not classified as a carcinogen due to the liquid state of the product. H351 as related to Titanium Dioxide is only applicable in powdered form.

**Section 4: First aid measures****4.1 Description of first aid measures****General information**

Provide general first aid, rest, warmth and fresh air. As a general rule, in case of doubt or if symptoms persist, always call a doctor.

**Inhalation**

Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort or breathing difficulties develop.

**Ingestion**

Provide fresh air, warmth and rest, preferably in comfortable upright sitting position. Do NOT induce vomiting unless directed to do so by medical personnel. Rinse mouth thoroughly. Get medical attention if any discomfort continues.

**Skin contact**

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

**Eye contact**

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues. Avoid contaminating unaffected eye.

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

|                            |   |
|----------------------------|---|
| <b>General information</b> | The severity of the symptoms described will vary dependent on the concentration and the length of exposure. |
| <b>Inhalation</b>          | Inhalation of mist or vapor may cause respiratory tract irritation.   |
| <b>Ingestion</b>           | May cause discomfort if swallowed. May cause stomach pain or vomiting.                                      |
| <b>Skin contact</b>        | Prolonged contact may cause redness, irritation and dry skin. May cause an allergic skin reaction.          |
| <b>Eye contact</b>         | Prolonged contact may cause redness and/or tearing.   |

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

|                               |                        |
|-------------------------------|------------------------|
| <b>Notes to the physician</b> | Treat symptomatically. |
|-------------------------------|------------------------|

**Section 5: Fire-fighting measures****5.1 Extinguishing media**

|                                       |   |
|---------------------------------------|---|
| <b>Extinguishing media</b>            | Use fire-extinguishing media appropriate for surrounding materials. Use: Water spray, foam, dry powder or carbon dioxide. |
| <b>Unsuitable extinguishing media</b> | High volume water jet.  |

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

|   |  |
|---|--|
| <b>Hazardous combustion products</b>        | When heated, vapours/gases hazardous to health may be formed.            |
| <b>Unusual fire &amp; explosion hazards</b> | No unusual fire or explosion hazards noted.                              |
| <b>Specific hazards</b>                     | In case of fire, toxic gases may be formed (COx). Avoid breathing fumes. |

**5.3 Advice for firefighters**

|  |  |
|--|--|
| <b>Special fire fighting procedures</b>      | Avoid breathing fire vapours. Keep up-wind to avoid fumes. Fight advanced or massive fires from safe distance or protected location. Ventilate closed spaces before entering them. Containers close to fire should be removed or cooled with water.  |
| <b>Protective equipment for firefighters</b> | 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 firefighters (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**

|                                    |   |
|------------------------------------|---|
| <b>For non-emergency personnel</b> | Wear protective clothing as described in Section 8 of this safety data sheet. Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation. Do not smoke, eat or drink while using this product. Wash hands after use.      |
| <b>For emergency responders</b>    | If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. Follow safe handling advice and personal protective equipment recommendations for normal use of product. |

**6.2 Environmental precautions**

|                                  |   |
|----------------------------------|---|
| <b>Environmental precautions</b> | Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency, local authority or other appropriate regulatory body. Do not discharge into drains, water courses or onto the ground. |
|----------------------------------|---|

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

|                               |   |
|-------------------------------|---|
| <b>Spill clean up methods</b> | Stop leak if possible without risk. Wear necessary protective equipment. Absorb spillage with non-combustible, absorbent material. Ensure that waste is collected and removed from the work area in a suitably labelled container. Wash thoroughly after dealing with a spillage. |
|-------------------------------|---|

**6.4 Reference to other sections**

|                                    |  |
|------------------------------------|--|
| <b>Reference to other sections</b> | See section 1 for emergency contact. For personal protection, see section 8. For waste disposal, see section 13. |
|------------------------------------|--|

## Section 7: Handling and storage

### 7.1 Precautions for safe handling

#### Handling

Read and follow manufacturer's recommendations. Avoid spilling, skin and eye contact. Do not use contact lenses. Keep away from heat, sparks and open flame. Observe occupational exposure limits and minimise the risk of inhalation of vapours and mist. Ensure adequate ventilation. Do not eat, drink or smoke when using the product. Do not handle broken packages without protective equipment

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

#### Storage precautions

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep upright. Keep out of reach of children. Keep container tightly sealed when not in use. Store away from direct sunlight or sources of ignition. Store away from other chemicals. Bags or containers, which are opened, must be carefully resealed to prevent leakage. Keep upright, locked up and out of reach of children.

#### Storage class

Unspecified storage.

### 7.3 Specific end use(s)

#### Specific end use(s)

The identified uses for this product are detailed in Section 1.

#### Usage description

Use only according to directions. Replace and tighten cap after use.

## Section 8: Exposure controls/Personal protection

### 8.1 Control parameters

| Component   | STD | TWA (8 Hrs)             | STEL (15mins)          | Notes                |                       |           |
|---|-----|-------------------------|------------------------|----------------------|-----------------------|-----------|
| Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> )                           | OEL | 10 mg/m <sup>3</sup>    |                        |                      |                       |           |
| Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> )                           | OEL | 0.8 mg/m <sup>3</sup>   |                        |                      |                       |           |
| titanium dioxide  | OEL | 10 mg/m <sup>3</sup>    |                        |                      |                       |           |
| titanium dioxide  | OEL | 4 mg/m <sup>3</sup>     |                        |                      |                       |           |
| diiron trioxide   | OEL | 5 mg/m <sup>3</sup>     | 10 mg/m <sup>3</sup>   |                      |                       |           |
| diiron trioxide   | OEL | 10 mg/m <sup>3</sup>    |                        |                      |                       |           |
| diiron trioxide   | OEL | 4 mg/m <sup>3</sup>     |                        |                      |                       |           |
| 2,2'-oxydiethanol   | OEL | 23 ppm                  | 100 mg/m <sup>3</sup>  |                      |                       |           |
| diuron (ISO) 3-(3,4-dichlorophenyl)--1-dimethylurea   | OEL | 10 mg/m <sup>3</sup>    |                        |                      |                       |           |
| 2-aminoethanol  | OEL | 1 ppm                   | 2.5 mg/m <sup>3</sup>  | 3 ppm                | 7.6 mg/m <sup>3</sup> | Sk, IOELV |
| 2,2',2''-nitrilotriethanol  | OEL | 5 mg/m <sup>3</sup>     |                        |                      |                       |           |
| zinc oxide  | OEL | 2 (R) mg/m <sup>3</sup> |                        | 10 mg/m <sup>3</sup> |                       |           |
| MICA Mica Mica-group minerals Mica-group minerals Muscovite mica Potassium aluminum silicate mica | OEL |                         | 3(R) mg/m <sup>3</sup> |                      |                       |           |

#### Ingredient comments

Ireland, Occupational Exposure Limits 2020.

### 8.2 Exposure Controls

#### Protective equipment



#### Engineering measures

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded.

#### Respiratory equipment

Respiratory protection must be used if the general level exceeds the recommended occupational exposure limit. Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator and suitable respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as CEN (EU). Use respiratory protective components with

|                           |  |
|---------------------------|--|
| <b>Hand protection</b>    | combined A/B/E/KP filter(s) for organic/inorganic/acid/ammonia and particulates. For prolonged or repeated skin contact use suitable chemical protective gloves. Selection of the glove material depends on consideration of the penetration times, rates of diffusion and degradation, and concentration specific to the workplace. Where hand contact with the product may occur the use of gloves approved to relevant standards (EN374), is recommended. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Suggested material: Nitrile rubber gloves. Minimum layer thickness: 0.33 mm. Breakthrough time: > 480 min Suggested material: Chloroprene. Minimum breakthrough time / gloves: 480 min. Minimum layer thickness: 0.6 mm. Consult manufacturer for specific advice. |
| <b>Eye protection</b>     | Wear approved chemical safety goggles where eye exposure is reasonably probable. Eye protection equipment should be tested and approved according to regulations applicable, like EN 166 (EU).   |
| <b>Other protection</b>   | Wear appropriate clothing to prevent skin contact. Protective clothing should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. The selected clothing must satisfy the European norm standard EN 943.  |
| <b>Hygiene measures</b>   | Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke. Take off immediately all contaminated clothing. Avoid contact with skin, eyes and clothing.   |
| <b>Process conditions</b> | Ensure that eye flushing systems and safety showers are located close by in the work place.  |

---

## Section 9: Physical and chemical properties

---

### 9.1 Information on basic physical and chemical properties

|  |  |
|--|--|
| <b>Appearance</b>                              | Viscous liquid.  |
| <b>Colour</b>                                  | White and various colours.   |
| <b>Odour</b>                                   | Faint odour.   |
| <b>Odour threshold - lower</b>                 | No information available as testing has not been completed.  |
| <b>Odour threshold - upper</b>                 | No information available as testing has not been completed.  |
| <b>pH-Value, Conc. Solution</b>                | 7.5 - 9.0  |
| <b>pH-Value, Diluted solution</b>              | No information available as testing has not been completed.  |
| <b>Melting point</b>                           | May start to solidify at the temperatures below 2°C. This is based on data for the following ingredient: water |
| <b>Initial boiling point and boiling range</b> | 38 °C  |
| <b>Flash point</b>                             | Not applicable.  |
| <b>Evaporation rate</b>                        | Not applicable.  |
| <b>Flammability state</b>                      | Non flammable  |
| <b>Flammability limit - lower(%)</b>           | No information available as testing has not been completed.  |
| <b>Flammability limit - upper(%)</b>           | 0%   |
| <b>Vapour pressure</b>                         | Highest known value: 3.2 kPa (23.8 mm Hg) (at 20°C) (water). Weighted average: 3.12 kPa (23.4 mm Hg) (at 20°C) |
| <b>Vapour density (air=1)</b>                  | Highest known value: 7.5 (Air = 1) (isobutyric acid, monoester with 2,2, 4-trimethylpentan-1,3-diol).          |
| <b>Relative density</b>                        | 1.26 +/- 0.02  |
| <b>Bulk density</b>                            | No information available as testing has not been completed.  |
| <b>Solubility</b>                              | Partially soluble in cold water.   |
| <b>Decomposition temperature</b>               | Stable under normal handling and storage conditions  |

|   |   |
|---|---|
| <b>Partition coefficient; n-Octanol/Water</b> | No information available as testing has not been completed.           |
| <b>Auto ignition temperature (°C)</b>         | Not applicable.   |
| <b>Viscosity</b>                              | Kinematic (40°C): >0.21 cm <sup>2</sup> /s                            |
| <b>Explosive properties</b>                   | Not classified as explosive.  |
| <b>Oxidising properties</b>                   | The product does not meet the criteria to be classified as oxidising. |

**9.2 Other information**

|                                  |  |
|----------------------------------|--|
| <b>Molecular weight</b>          | No information available as testing has not been completed.    |
| <b>Volatile organic compound</b> | 11.00 g/litre  |
| <b>Other information</b>         | Weight Solids: 44.0% +/- 1.0%<br>Volume solids: 30.0% +/- 1.0% |

**Section 10: Stability and reactivity****10.1 Reactivity**

|                   |   |
|-------------------|---|
| <b>Reactivity</b> | Reactions may occur with strong oxidizing agents and acids. Alkali. |
|-------------------|---|

**10.2 Chemical stability**

|                  |   |
|------------------|---|
| <b>Stability</b> | Stable under normal temperature conditions and recommended use. |
|------------------|---|

**10.3 Possibility of hazardous reactions**

|                                   |   |
|-----------------------------------|---|
| <b>Hazardous reactions</b>        | For information on hazardous reaction see section 10.1. |
| <b>Hazardous polymerisation</b>   | Unknown.  |
| <b>Polymerisation description</b> | Unknown.  |

**10.4 Conditions to Avoid**

|                            |  |
|----------------------------|--|
| <b>Conditions to avoid</b> | Avoid exposure to extremes of temperature. Avoid heat, flames and other sources of ignition. |
|----------------------------|--|

**10.5 Incompatible materials**

|                           |   |
|---------------------------|---|
| <b>Materials to avoid</b> | Do not mix with other chemicals unless listed on directions. Acids, alkalies, oxidising agents. |
|---------------------------|---|

**10.6 Hazardous decomposition products**

|   |  |
|---|--|
| <b>Hazardous decomposition products</b> | Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours. |
|---|--|

**Section 11: Toxicological information****11.1 Information on toxicological effects**

|   |  |
|---|--|
| <b>Toxicological information</b>        | No toxicological information for the overall finished product.       |
| <b>Acute toxicity (Oral LD50)</b>       | No information available as testing has not been completed.          |
| <b>Acute toxicity (Dermal LD50)</b>     | No information available as testing has not been completed.          |
| <b>Acute toxicity (Inhalation LD50)</b> | No information available as testing has not been completed.          |
| <b>Serious eye damage/irritation</b>    | Prolonged or repeated contact may cause irritation.                  |
| <b>Skin corrosion/irritation</b>        | The product is not classified as a skin corrosion/irritation hazard. |
| <b>Respiratory sensitisation</b>        | The product is not classified as a respiratory hazard.               |
| <b>Skin sensitisation</b>               | The product is not classified as a skin sensitisation hazard.        |

|  |   |
|--|---|
| <b>Germ cell mutagenicity</b>                              | The product is not classified as a mutagen.   |
| <b>Carcinogenicity</b>                                     | The product is not classified as a carcinogen hazard.   |
| <b>Specific target organ toxicity - Single exposure:</b>   |   |
| <b>STOT - Single exposure</b>                              | The product is not classified as a single exposure specific target organ toxin.   |
| <b>Specific target organ toxicity - Repeated exposure:</b> |   |
| <b>STOT - Repeated exposure</b>                            | The product is not classified as a repeat exposure specific target organ toxin.   |
| <b>Inhalation</b>  | Inhalation of mist or vapor may cause respiratory tract irritation.   |
| <b>Ingestion</b>   | May cause discomfort if swallowed. May cause stomach pain or vomiting.  |
| <b>Skin contact</b>  | Prolonged contact may cause redness, irritation and dry skin. May cause an allergic skin reaction.  |
| <b>Eye contact</b>   | Prolonged contact may cause redness and/or tearing.   |
| <b>Waste management</b>                                    | When handling waste, consideration should be made to the safety precautions applying to handling of the product. Avoid pouring into drains or waterways. Avoid contaminating the ground or water with waste. Where practical, waste or surplus material should be recovered and recycled. |
| <b>Routes of entry</b>                                     | Eyes, skin, ingestion or inhalation.  |
| <b>Target organs</b>                                       | Eyes, skin, digestive system, respiratory system.   |
| <b>Aspiration hazards:</b>                                 | The product is not classified as an aspiration hazard.  |
| <b>Reproductive toxicity:</b>                              | The product is not classified as a reproductive hazard.   |

| Name   | LD50 oral        | LD50 dermal          | LD50 inhalation |
|--|------------------|----------------------|-----------------|
| MICA Mica Mica-group minerals Mica-group minerals Muscovite mica<br>Potassium aluminum silicate mica | 500.00mg/kg Rat  |                      |                 |
| 2-aminoethanol   | 1515.00mg/kg Rat | 2504.00mg/kg Rabbit  |                 |
| 2,2',2''-nitrilotriethanol   | 6400.00mg/kg Rat | >2000.00mg/kg Rabbit |                 |

## Section 12: Ecological information

### 12.1 Toxicity

|   |  |
|---|--|
| <b>Acute toxicity - Fish</b>                    | No information available as testing has not been completed.                                  |
| <b>Acute toxicity - Aquatic invertebrates</b>   | No information available as testing has not been completed.                                  |
| <b>Acute toxicity - Aquatic plants</b>          | No information available as testing has not been completed.                                  |
| <b>Acute toxicity - Microorganisms</b>          | No information available as testing has not been completed.                                  |
| <b>Chronic toxicity - Fish</b>                  | No information available as testing has not been completed.                                  |
| <b>Chronic toxicity - Aquatic invertebrates</b> | No information available as testing has not been completed.                                  |
| <b>Chronic toxicity - Aquatic plants</b>        | No information available as testing has not been completed.                                  |
| <b>Chronic toxicity - Microorganisms</b>        | No information available as testing has not been completed.                                  |
| <b>Ecotoxicity</b>                              | The product contains a substance which is harmful to aquatic life with long lasting effects. |
| <b>Eco toxicological information</b>            | The product contains a substance which is harmful to aquatic organisms.                      |

### 12.2 Persistence and degradability

|                                 |   |
|---------------------------------|---|
| <b>Degradability</b>            | The degradability of the product has not been stated.       |
| <b>Biological oxygen demand</b> | No information available as testing has not been completed. |
| <b>Chemical oxygen demand</b>   | No information available as testing has not been completed. |

### 12.3 Bioaccumulative potential

|   |   |
|---|---|
| <b>Bioaccumulative potential</b>              | No data available on bioaccumulation.                       |
| <b>Bioaccumulation factor</b>                 | No information available as testing has not been completed. |
| <b>Partition coefficient; n-Octanol/Water</b> | No information available as testing has not been completed. |

### 12.4 Mobility in soil

|                 |                                  |
|-----------------|----------------------------------|
| <b>Mobility</b> | Partially soluble in cold water. |
|-----------------|----------------------------------|

**12.5 Results of PBT and vPvB assessment**

**Results of PBT and vPvB assessment** The product does not contain any PBT or vPvB Substances.

**12.6 Other adverse effects**

**Other adverse effects** None known.

| Name  | Acute toxicity (Fish)   | Acute toxicity (Aquatic invertebrates)      | Acute toxicity (Aquatic plants)                        |
|---|---|---|--|
| titanium dioxide                                    |   | EC50 48 Hours >1000.00mg/l<br>Daphnia magna |  |
| diuron (ISO) 3-(3,4-dichlorophenyl)-,1-dimethylurea | LC50 96 Hours 14.70mg/l<br>Onchorhynchus mykiss (Rainbow Trout)     | EC50 48 Hours 1.40mg/l<br>Daphnia magna     | EC50 72 Hours 0.02mg/l<br>Scenedesmus Subspicatus      |
| octhilinone (ISO) 2-octyl-2H-isothiazol-3-one       | LC50 96 Hours 0.02mg/l<br>Onchorhynchus mykiss (Rainbow Trout)      | EC50 48 Hours 0.42mg/l<br>Daphnia magna     | 72 Hours 0.08mg/l<br>Scenedesmus Subspicatus           |
| zinc oxide  | LC50 96 Hours 0.14mg/l<br>Onchorhynchus mykiss (Rainbow Trout)      | EC50 48 Hours 0.17mg/l<br>Daphnia magna     |  |
| 2-aminoethanol                                      | LC50 96 Hours 114.00mg/l<br>Onchorhynchus mykiss (Rainbow Trout)    | EC50 48 Hours 65.00mg/l<br>Daphnia magna    | EC50 72 Hours 2.50mg/l<br>Senastrum<br>Capricornutum   |
| 2,2',2''-nitrioltriethanol                          | LC50 96 Hours 11800.00mg/l<br>Pimephales promelas (Fat-head Minnow) | NOEC 21 days 16.00mg/l<br>Daphnia magna     | EC50 72 Hours<br>216.00mg/l Scenedesmus<br>Subspicatus |

**Section 13: Disposal considerations**

**Waste management** When handling waste, consideration should be made to the safety precautions applying to handling of the product. Avoid pouring into drains or waterways. Avoid contaminating the ground or water with waste. Where practical, waste or surplus material should be recovered and recycled.

**13.1 Waste treatment methods**

**Disposal methods** Dispose of waste and residues in accordance with local authority requirements, and national and local regulations. Do not discharge to drains. Empty containers and clean out appropriately before reuse or disposal. Packaging that cannot be cleaned should be disposed of via an appropriately licensed waste contractor.

**Section 14: Transport information****14.1 UN number**

**UN no. (ADR)** Not applicable.  
**UN no. (IMDG)** Not applicable.  
**UN no. (IATA)** Not applicable.

**14.2 UN proper shipping name**

**ADR proper shipping name** Not applicable.  
**IMDG proper shipping name** Not applicable.  
**IATA proper shipping name** Not applicable.

**14.3 Transport hazard class(es)**

**ADR class** Not applicable.  
**IMDG class** Not applicable.  
**IATA class** Not applicable.

**Transport labels** Not applicable

**14.4 Packing group**

**ADR/RID/ADN packing group** Not applicable.  
**IMDG packing group** Not applicable.  
**IATA packing group** Not applicable.



**14.5 Environmental hazards**

|      |    |
|------|----|
| ADR  | No |
| IMDG | No |
| IATA | No |

**14.6 Special precautions for user**

|                         |                 |
|-------------------------|-----------------|
| EMS                     | Not applicable. |
| Emergency action code   | Not applicable. |
| Hazard no. (ADR)        | Not applicable. |
| Tunnel restriction code | Not applicable. |

**14.7 Transport in bulk according to annex II of MARPOL73/78 and the IBC code**

Not applicable.

**Section 15: Regulatory information****15.1 Safety, health and environmental regulations/Legislation specific for the substance or mixture**

|                                   |  |
|-----------------------------------|--|
| <b>EU legislation</b>             | Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. The UN Globally Harmonized System (GHS) Safety Data Sheet format (Annex IV) is implemented as Annex II of REACH EU No 830/2015 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH). |
| <b>Approved code of practice</b>  | 2020 Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents) Regulations (2001-2015) and the Safety, Health and Welfare at Work (Carcinogens) Regulations (2001-2019)  |
| <b>Chemical safety assessment</b> | No chemical safety assessment has been carried out.  |

**Section 16: Other information**

|                                 |   |
|---------------------------------|---|
| <b>General information</b>      | This Safety Data Sheet is in accordance with Reach Regulation (EC) No 453/2010. |
| <b>Revision comments</b>        | This is a first issue.  |
| <b>Revision date</b>            | 25 January 2021   |
| <b>Revision</b>                 | 1   |
| <b>Safety data sheet status</b> | Approved.   |

**Hazard statements in full**

|               |  |
|---------------|--|
| <b>H411</b>   | Toxic to aquatic life with long lasting effects.   |
| <b>H319</b>   | Causes serious eye irritation.   |
| <b>H302</b>   | Harmful if swallowed.  |
| <b>H373</b>   | May cause damage to organs through prolonged or repeated exposure .                              |
| <b>H317</b>   | May cause an allergic skin reaction.   |
| <b>H351</b>   | Suspected of causing cancer .  |
| <b>H400</b>   | Very toxic to aquatic life.  |
| <b>H410</b>   | Very toxic to aquatic life with long lasting effects.  |
| <b>H312</b>   | Harmful in contact with skin.  |
| <b>H314</b>   | Causes severe skin burns and eye damage.   |
| <b>H332</b>   | Harmful if inhaled.  |
| <b>H335</b>   | May cause respiratory irritation.  |
| <b>H412</b>   | Harmful to aquatic life with long lasting effects.   |
| <b>H301</b>   | Toxic if swallowed.  |
| <b>H318</b>   | Causes serious eye damage.   |
| <b>H331</b>   | Toxic if inhaled.  |
| <b>H311</b>   | Toxic in contact with skin.  |
| <b>H315</b>   | Causes skin irritation.  |
| <b>H330</b>   | Fatal if inhaled.  |
| <b>H372</b>   | Causes damage to organs through prolonged or repeated exposure .                                 |
| <b>EUH211</b> | Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist. |

**Disclaimer**

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.