

# SAFETY DATA SHEET



Date of issue/Date of revision : 11 November 2022 Version : 1.01

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

### 1.1 Product identifier

**Product name** : DELTRON CRYSTAL SILVER  
**Product code** : PRLX2/E0.113K  
**Product description** :  
**Product type** : Powder.  
**Other means of identification** : Not available.

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

**Product use** : Industrial applications.  
**Use of the substance/mixture** : Coating.  
**Uses advised against** : Product is not intended, labelled or packaged for consumer use.

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

PPG Industries (UK) Ltd. Needham Road, Stowmarket, Suffolk, IP14 2AD, UK Tel: +44 (0) 1449 773 338  
PPG Industries Italia S.r.l., Via Comasina, 121, 20161 Milano, Italy Tel: +39 02 6404.1

**e-mail address of person responsible for this SDS** : Product.Stewardship.EMEA@ppg.com

### 1.4 Emergency telephone number

#### Supplier

- Company emergency telephone number : +44 (0) 1449 773 338 ( 0900-1600)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Product definition** : Mixture  
**Classification according to UK CLP/GHS**  
Not classified.

The product is not classified as hazardous according to UK CLP Regulation SI 2019/720 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** : Dispose of contents and container in accordance with all local, regional, national and international regulations.  
P501  
**Supplemental label elements** : Safety data sheet available on request.  
Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.

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## SECTION 2: Hazards identification

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

### Special packaging requirements

**Containers to be fitted with child-resistant fastenings** : Not applicable.

**Tactile warning of danger** : 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** : May form explosible dust-air mixture if dispersed. Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose and throat. Prolonged or repeated contact may dry skin and cause irritation.

## SECTION 3: Composition/information on ingredients

Mixture

### 3.2 Mixtures

| Product/ingredient name                       | Identifiers  | %           | Classification   | Type |
|---|--|-------------|--|------|
| aluminium oxide                               | REACH #:<br>01-2119529248-35<br>EC: 215-691-6<br>CAS: 1344-28-1  | ≥50 - ≤75   | Not classified.  | [2]  |
| titanium dioxide                              | REACH #:<br>01-2119489379-17<br>EC: 236-675-5<br>CAS: 13463-67-7 | ≥10 - ≤25   | Not classified.  | [2]  |
| Naphtha (petroleum), heavy alkylate Nota(s) P | EC: 265-067-2<br>CAS: 64741-65-7<br>Index: 649-275-00-4          | ≥10 - <20   | Flam. Liq. 3, H226<br>Asp. Tox. 1, H304<br>Aquatic Chronic 4, H413<br>EUH066 | [1]  |
| silicon dioxide                               | REACH #:<br>01-2119379499-16<br>EC: 231-545-4<br>CAS: 7631-86-9  | ≥1.0 - ≤5.0 | Not classified.  | [2]  |
| tin dioxide                                   | REACH #:<br>01-2119946062-44<br>EC: 242-159-0<br>CAS: 18282-10-5 | ≥1.0 - ≤5.0 | Not classified.  | [2]  |

**See Section 16 for the full text of the H statements declared above.**

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

[1] Substance classified with a health or environmental hazard

[2] Substance with a workplace exposure limit

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## SECTION 3: Composition/information on ingredients

This mixture contains  $\geq 1\%$  of titanium dioxide. The Annex VI classification of titanium dioxide does not apply to this mixture according to Note 10.

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

**SUB codes represent substances without registered CAS Numbers.**

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

- Eye contact** : Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.
- Inhalation** : Remove to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.
- Skin contact** : Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognised skin cleanser. Do NOT use solvents or thinners.
- Ingestion** : If swallowed, seek medical advice immediately and show the container or label. Keep person warm and at rest. Do NOT induce vomiting.
- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

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

#### Potential acute health effects

- Eye contact** : Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes.
- Inhalation** : Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs.
- Skin contact** : Defatting to the skin. May cause skin dryness and irritation.
- Ingestion** : No known significant effects or critical hazards.

#### Over-exposure signs/symptoms

- Eye contact** : Adverse symptoms may include the following:  
irritation  
redness
- Inhalation** : Adverse symptoms may include the following:  
respiratory tract irritation  
coughing
- Skin contact** : Adverse symptoms may include the following:  
irritation  
dryness  
cracking
- 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 dry chemical powder.
- Unsuitable extinguishing media** : Avoid high pressure media which could cause the formation of a potentially explosible dust-air mixture.

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

|                               |  |
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## SECTION 5: Firefighting measures

**Hazards from the substance or mixture** : May form explosible dust-air mixture if dispersed.

**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. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

**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.

## 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 spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing dust. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**For emergency responders** : If specialised 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 spilt 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 material for containment and cleaning up

**Small spill** : Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor.

**Large spill** : Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labelled waste container. Avoid creating dusty conditions and prevent wind dispersal. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

### 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. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

### 7.1 Precautions for safe handling

**Protective measures** : Put on appropriate personal protective equipment (see Section 8). Avoid breathing dust. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame). Prevent dust accumulation. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Electrical equipment and lighting should be protected to appropriate standards to prevent dust coming into contact with hot surfaces, sparks or other ignition sources. Take precautionary measures against electrostatic discharges. To avoid fire or explosion,

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## SECTION 7: Handling and storage

### Advice on general occupational hygiene

dissipate static electricity during transfer by earthing and bonding containers and equipment before transferring material.

: 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

Do not store above the following temperature: 50°C (122°F). Store in accordance with local regulations. Store in a segregated and approved area. 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. Eliminate all ignition sources. Separate from oxidising materials. 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 unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

### 7.3 Specific end use(s)

See Section 1.2 for Identified uses.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

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).

#### Occupational exposure limits

| Product/ingredient name | Exposure limit values  |
|-------------------------|--|
| aluminium oxide         | <b>EH40/2005 WELs (United Kingdom (UK), 1/2020). [aluminium oxides]</b><br>TWA: 4 mg/m <sup>3</sup> 8 hours. Form: respirable dust<br>TWA: 10 mg/m <sup>3</sup> 8 hours. Form: inhalable dust            |
| titanium dioxide        | <b>EH40/2005 WELs (United Kingdom (UK), 1/2020).</b><br>TWA: 4 mg/m <sup>3</sup> 8 hours. Form: respirable<br>TWA: 10 mg/m <sup>3</sup> 8 hours. Form: total inhalable                                   |
| silicon dioxide         | <b>EH40/2005 WELs (United Kingdom (UK), 1/2020). [silica, amorphous]</b><br>TWA: 2.4 mg/m <sup>3</sup> 8 hours. Form: respirable dust<br>TWA: 6 mg/m <sup>3</sup> 8 hours. Form: inhalable dust          |
| tin dioxide             | <b>EH40/2005 WELs (United Kingdom (UK), 1/2020). [tin compounds, inorganic except SnH<sub>4</sub>]</b><br>STEL: 4 mg/m <sup>3</sup> , (as Sn) 15 minutes.<br>TWA: 2 mg/m <sup>3</sup> , (as Sn) 8 hours. |

**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 appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

#### DNELs/DMELs

|                               |  |
|-------------------------------|--|
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## SECTION 8: Exposure controls/personal protection

| Product/ingredient name | Type | Exposure              | Value                  | Population         | Effects  |
|-------------------------|------|-----------------------|------------------------|--------------------|----------|
| aluminium oxide         | DNEL | Long term Inhalation  | 0.75 mg/m <sup>3</sup> | General population | Local    |
|                         | DNEL | Long term Inhalation  | 0.75 mg/m <sup>3</sup> | General population | Systemic |
|                         | DNEL | Long term Oral        | 1.32 mg/kg bw/day      | General population | Systemic |
| titanium dioxide        | DNEL | Long term Inhalation  | 3 mg/m <sup>3</sup>    | Workers            | Local    |
|                         | DNEL | Long term Inhalation  | 3 mg/m <sup>3</sup>    | Workers            | Systemic |
|                         | DNEL | Long term Oral        | 700 mg/kg bw/day       | General population | Systemic |
| silicon dioxide         | DNEL | Short term Inhalation | 4 mg/m <sup>3</sup>    | Workers            | Local    |
|                         | DNEL | Long term Inhalation  | 4 mg/m <sup>3</sup>    | Workers            | Local    |
| tin dioxide             | DNEL | Short term Oral       | 2 mg/kg bw/day         | General population | Systemic |
|                         | DNEL | Long term Oral        | 2 mg/kg bw/day         | General population | Systemic |
|                         | DNEL | Short term Dermal     | 2 mg/kg bw/day         | General population | Systemic |
|                         | DNEL | Long term Dermal      | 2 mg/kg bw/day         | General population | Systemic |
|                         | DNEL | Short term Inhalation | 2 mg/m <sup>3</sup>    | Workers            | Systemic |
|                         | DNEL | Long term Inhalation  | 2 mg/m <sup>3</sup>    | Workers            | Systemic |
|                         | DNEL | Short term Dermal     | 5.7 mg/kg bw/day       | Workers            | Systemic |
|                         | DNEL | Long term Dermal      | 5.7 mg/kg bw/day       | Workers            | Systemic |
|                         | DNEL | Short term Inhalation | 6 mg/m <sup>3</sup>    | General population | Systemic |
|                         | DNEL | Long term Inhalation  | 6 mg/m <sup>3</sup>    | General population | Systemic |

### PNECs

| Product/ingredient name | Compartment Detail     | Value     | Method Detail      |
|-------------------------|------------------------|-----------|--------------------|
| aluminium oxide         | Fresh water            | 74.9 µg/l | Assessment Factors |
|                         | Sewage Treatment Plant | 20 mg/l   | Assessment Factors |

## 8.2 Exposure controls

**Appropriate engineering controls** : Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapour or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

### 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 glasses with side shields.

#### Skin protection

**Hand protection** : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

**Gloves** : For prolonged or repeated handling, use the following type of gloves:

Recommended: butyl rubber, nitrile 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** :



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## SECTION 8: Exposure controls/personal protection

Use with adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Wear a respirator conforming to EN140. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator. Mask type: full-face mask half-face mask Filter type: particulate filter P3 Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

**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

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

### 9.1 Information on basic physical and chemical properties

#### Appearance

**Physical state** : Solid.  
**Product type** : Powder.  
**Colour** : Red.  
**Odour** : Not available.  
**Odour threshold** : Not available.  
**Melting point/freezing point** : Not available.  
**Initial boiling point and boiling range** : Not available.  
**Flammability (solid, gas)** : Not available.  
**Upper/lower flammability or explosive limits** :  
**Minimum explosive concentration (MEC)** : 10 g/m<sup>3</sup>  
**Flash point** : Closed cup: Not applicable.  
**Auto-ignition temperature** : Not applicable.  
**Decomposition temperature** :  
**pH** : Not applicable.  
 Not applicable. insoluble in water.  
**Viscosity** : Kinematic (40°C): Not applicable.  
**Solubility(ies)** :

| Media      | Result      |
|------------|-------------|
| cold water | Not soluble |

**Miscible with water** : No.  
**Partition coefficient: n-octanol/ water** : Not applicable.  
**Vapour pressure** : Not available.  
**Relative density** : 2.76  
**Explosive properties** : The product itself is not explosive, but the formation of an explosible mixture of vapour or dust with air is possible.  
**Oxidising properties** : Product does not present an oxidizing hazard.  
**Particle characteristics**  
**Median particle size** : Not available.

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## 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** : When exposed to high temperatures may produce hazardous decomposition products. Refer to protective measures listed in sections 7 and 8.
- 10.5 Incompatible materials** : Keep away from the following materials to prevent strong exothermic reactions: oxidising agents, strong alkalis, strong acids.
- 10.6 Hazardous decomposition products** : Depending on conditions, decomposition products may include the following materials: metal oxide/oxides

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

| Product/ingredient name | Result                          | Species            | Dose         | Exposure |
|-------------------------|---------------------------------|--------------------|--------------|----------|
| aluminium oxide         | LC50 Inhalation Dusts and mists | Rat                | 7.6 mg/l     | 4 hours  |
| titanium dioxide        | LD50 Oral                       | Rat                | >15900 mg/kg | -        |
|                         | LC50 Inhalation Dusts and mists | Rat                | >6.82 mg/l   | 4 hours  |
| silicon dioxide         | LD50 Dermal                     | Rabbit             | >5000 mg/kg  | -        |
|                         | LD50 Oral                       | Rat                | >5000 mg/kg  | -        |
|                         | LD50 Dermal                     | Rabbit             | >5000 mg/kg  | -        |
|                         | LD50 Oral                       | Rat - Male, Female | >5000 mg/kg  | -        |
| tin dioxide             | LD50 Oral                       | Rat                | >20 g/kg     | -        |

**Conclusion/Summary** : There are no data available on the mixture itself.

#### Acute toxicity estimates

| Product/ingredient name | Oral (mg/kg) | Dermal (mg/kg) | Inhalation (gases) (ppm) | Inhalation (vapours) (mg/l) | Inhalation (dusts and mists) (mg/l) |
|-------------------------|--------------|----------------|--------------------------|-----------------------------|-------------------------------------|
| aluminium oxide         | N/A          | N/A            | N/A                      | N/A                         | 7.6                                 |

#### Irritation/Corrosion

- Conclusion/Summary** : Not available.
- Skin** : There are no data available on the mixture itself.
- Eyes** : There are no data available on the mixture itself.
- Respiratory** : There are no data available on the mixture itself.

#### Sensitisation

- Conclusion/Summary** : There are no data available on the mixture itself.
- Skin** : There are no data available on the mixture itself.
- Respiratory** : There are no data available on the mixture itself.

#### Mutagenicity

- Conclusion/Summary** : There are no data available on the mixture itself.

#### 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.



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## SECTION 11: Toxicological information

**Conclusion/Summary** : There are no data available on the mixture itself.

### Reproductive toxicity

**Conclusion/Summary** : There are no data available on the mixture itself.

### Teratogenicity

**Conclusion/Summary** :  
 There are no data available on the mixture itself.

### Specific target organ toxicity (single exposure)

Not available.

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

| Product/ingredient name                       | Result                         |
|---|--------------------------------|
| Naphtha (petroleum), heavy alkylate Nota(s) P | ASPIRATION HAZARD - Category 1 |

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

### Potential acute health effects

- Eye contact** : Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes.
- Inhalation** : Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs.
- Skin contact** : Defatting to the skin. May cause skin dryness and irritation.
- Ingestion** : No known significant effects or critical hazards.

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

- Eye contact** : Adverse symptoms may include the following:  
 irritation  
 redness
- Inhalation** : Adverse symptoms may include the following:  
 respiratory tract irritation  
 coughing
- Skin contact** : Adverse symptoms may include the following:  
 irritation  
 dryness  
 cracking
- Ingestion** : No specific data.

### Delayed and immediate effects as well as 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.

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## SECTION 11: Toxicological information

- General** : Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation. Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/ or dermatitis.
- Carcinogenicity** : No known significant effects or critical hazards.
- Mutagenicity** : No known significant effects or critical hazards.
- Reproductive toxicity** : No known significant effects or critical hazards.

**Other information** : Not available.

## SECTION 12: Ecological information

### 12.1 Toxicity

| Product/ingredient name | Result                             | Species  | Exposure |
|-------------------------|------------------------------------|--|----------|
| aluminium oxide         | Acute LC50 >100 mg/l               | Fish   | 96 hours |
| titanium dioxide        | Acute LC50 >100 mg/l Fresh water   | Daphnia - Daphnia magna                        | 48 hours |
| silicon dioxide         | Acute EC50 2.2 g/L Fresh water     | Daphnia - Water flea - Daphnia magna - Neonate | 48 hours |
|                         | Acute LC50 >10000 mg/l             | Fish   | 96 hours |
|                         | Chronic NOEC 12.5 mg/l Fresh water | Daphnia - Water flea - Daphnia magna - Neonate | 21 days  |
| tin dioxide             | Acute LC50 >100 mg/l               | Fish   | 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 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 minimised 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** : Yes.

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## SECTION 13: Disposal considerations

### Waste catalogue

| Waste code | Waste designation   |
|------------|---|
| 08 01 11*  | waste paint and varnish containing organic solvents or other hazardous substances |

### Packaging

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

**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 spilt material and runoff and contact with soil, waterways, drains and sewers.

## SECTION 14: Transport information

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

**ADR/RID** : None identified.

**ADN** : None identified.

**IMDG** : None identified.

**IATA** : None identified.

**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**

#### UK (GB) /REACH

##### Annex XIV - List of substances subject to authorisation

###### Annex XIV

None of the components are listed.

###### Substances of very high concern

None of the components are listed.

###### Ozone depleting substances

Not listed.

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**DELTRON CRYSTAL SILVER**

## SECTION 15: Regulatory information

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

### Seveso Directive

This product is not controlled under the Seveso Directive.

## SECTION 16: Other information

✔ Indicates information that has changed from previously issued version.

### **Abbreviations and acronyms**

: ATE = Acute Toxicity Estimate  
 GB CLP = UK CLP (EC No 1272/2008) on the Classification, Labelling and Packaging of Substances and Mixtures as amended by (EU Exit) Regulations 2019 No. 720 and amendments  
 DMEL = Derived Minimal Effect Level  
 DNEL = Derived No Effect Level  
 EUH statement = GB CLP-specific Hazard statement  
 N/A = Not available  
 PBT = Persistent, Bioaccumulative and Toxic  
 PNEC = Predicted No Effect Concentration  
 RRN = REACH Registration Number  
 SGG = Segregation Group  
 vPvB = Very Persistent and Very Bioaccumulative

### Procedure used to derive the classification

Not classified.

### Full text of abbreviated H statements

|        |   |
|--------|---|
| H226   | Flammable liquid and vapour.                            |
| H304   | May be fatal if swallowed and enters airways.           |
| H413   | May cause long lasting harmful effects to aquatic life. |
| EUH066 | Repeated exposure may cause skin dryness or cracking.   |

### Full text of classifications

|                   |   |
|-------------------|---|
| Aquatic Chronic 4 | LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 4 |
| Asp. Tox. 1       | ASPIRATION HAZARD - Category 1                  |
| Flam. Liq. 3      | FLAMMABLE LIQUIDS - Category 3                  |

### History

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**Prepared by** : EHS  
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### Disclaimer

*The information contained in this data sheet is based on present scientific and technical knowledge. The purpose of this information is to draw attention to the health and safety aspects concerning the products supplied by us, and to recommend precautionary measures for the storage and handling of the products. No warranty or guarantee is given in respect of the properties of the products. No liability can be accepted for any failure to observe the precautionary measures described in this data sheet or for any misuse of the products.*