

# Safety Data Sheet

## Pearl Pigment

### 1. Identification of the Substance and Company

<b>Product Name</b>	: Resin-Kunst Perlglanz Pigment
<b>Application</b>	: Art, Cosmetic and personal hygiene
<b>Company</b>	: Resin-Kunst GmbH Stefanie Etter
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### 2. Hazards Identification

#### 2.1 Classification of the substance or mixture:

- **Hazard description:** Not Applicable
- **Information concerning particular hazards for human and environment:**

The product is not classified as dangerous according to Directive 67/548/EEC, 1999/45/EC and Regulation (EC) No. 1272/2008 Classification system: The classification is according to the latest edition of the Directive 67/548/EEC, 1999/45/EC and Regulation (EC) No. 1272/2008, and extended by company and literature data.

#### 2.2 Label elements:

- GHS- label elements: Void

#### 2.3 Other hazards: Not available

- Potential health effects
- **Primary routes of exposure:**  
Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.
- **Irritation / corrosion:** Inhalation of dust may cause respiratory tract irritation, coughing and breathing difficulties. Contact with the eyes or skin may cause mechanical irritation.
- **Chronic toxicity: Potential environmental effects**
- **Aquatic toxicity:** At the present state of knowledge, no negative ecological effects are expected. The inhibition of the degradation activity of activated sludge is not anticipated when introduced to biological treatment plants in appropriate low concentrations. The product has not been tested. The statement has been derived from the properties of the individual components.

### 3. Composition/Information on Ingredients

Name	INCI Name	CAS Nr.	EC Nr.	CI Nr.
Natural Mica	MICA	12001-26-2	N/A	77019
Titanium-Dioxid	CI 77891	13463-67-7	236-675-5	77891
Zinn-Dioxid	TIN OXIDE	18282-10-5	242-159-0	77861
FD & Rot Nr. 40	CI 16035	25956-17-6	247-368-0	16035
FD & C Blau Nr. 1	CI 42090	3844-45-9	223-339-8	42090
Calcium-Aluminium- Borosilikat	Glass	65997-17-3	266-046-0	N/A
Di-Eisen-Trioxid	CI 77491	1309-37-1	215-168-2	77491
Quarz (SiO <sub>2</sub> )	Quarz	14808-60-7	238-878-4	N/A
D&C Grün Nr. 5	CI 61570	4403-90-1	224-546-6	61570
Tri-Eisen-Tetraoxid	CI 77499	1309-37-1	215-168-2	77499

### 4. First aid Measures

#### 4.1 Description of first aid measures:

General advice: Remove contaminated clothing.

**If inhaled:** Move person to fresh air. Consult doctor in event of any complaints. If difficulties occur after dust has been inhaled, remove to fresh air and seek medical attention.

**If on skin:** Wash with soap and water. If irritation persists, seek medical attention. Wash thoroughly with soap and water. If irritation develops, seek medical attention.

**If in eyes:** Immediately flush eyes with water for at least 15 minutes. If discomfort persists, seek medical attention. Wash affected eyes for at least 15 minutes under running water with eyelids held open. If irritation develops, seek medical attention.

**If swallowed:** If large quantities are ingested, seek medical advice. Not a hazard under normal use conditions. Rinse mouth and then drink plenty of water. Do not induce vomiting. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Seek medical attention if necessary.

**Information for doctor:** The following symptoms may occur: Not available

**Hazards:** Not available

**Treatment:** Not available

4.2 Most important symptoms and effects, both acute and delayed: Not available

4.3 Indication of any immediate medical attention and special treatment needed: Not available

## 5. Fire-fighting Measures

- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam
- **Special hazards arising from the substance or mixture:** Not available
- **Protective equipment:** No special measures required
- **Advice for firefighters:** Not available

## 6. Accidental Release Measures

- **Personal Precautions, protective equipment and emergency procedures:** Wear appropriate respiratory protection. Use personal protective clothing. Ensure adequate ventilation.
- **Environmental precautions:** Do not allow to enter sewers/surface or ground water.
- **Methods and material for containment and cleaning up:**
  - For small amounts: Pick up with suitable appliance and dispose of.
  - For large amounts: Pick up with suitable appliance and dispose of.
  - Spills should be contained and placed in suitable containers for disposal.

## 7. Handling and Storage

- **General advice:** Breathing must be protected when large quantities are decanted without local exhaust ventilation. Avoid contact with the skin, eyes and clothing. Keep in a cool place. Keep container dry.
- **Precautions for safe handling:** Avoid dust formation. Closed containers should only be opened in well-ventilated areas.
  - **Information about fire-and explosion protection:** No special measures required

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

- **Requirements to be met by storerooms and receptacles:** No special requirements
- **Information about storage in one common storage facility:** Not required
- **Further information about storage conditions:** None.
- **Incompatibilities:** Not available
- **Specific end use(s):** Not available

## 8. Exposure Controls/Personal Protection

### 8.1 Exposure controls:

- **Personal protective equipment:**  
Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator. Observe OSHA regulations for respirator use (29 CFR 1910.134).
- **Eye protection:** Safety glasses with side-shields.
- **Protection of hands:** The glove material has to be impermeable and resistant to the product/the substance/the preparation. Due to missing tests no recommendation to the glove material can be give for the product/the preparation/the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.



*Protective gloves*

- **Material of gloves:** The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to be manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material:** The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **General safety and hygiene measures:** Handle in accordance with good industrial hygiene and safety practice. Due to the colouring properties of the product closed work clothes should be used, to avoid stains during manipulation. Hands and/or face should be washed before breaks and at the end of the shift. Wash soiled clothing immediately.
  - **Primary irritant effect**
  - **On the skin:** No irritant effect
  - **On the eye:** No irritating effect
  - **Sensitization:** No sensitizing effects known
  - **Additional toxicological information:** The products is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version. When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.
  
- **Toxic kinetics, metabolism and distribution:** Not available
- **Acute effects (acute toxicity, irritation and corrosivity) :** Quantitative data on the toxicity of this product is not available. Product does not contain any deleterious matter.
- **Repeated does toxicity:** Prolonged or repeated exposure to dust may cause pulmonary problems.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction):** The results of animal experiments using pearl luster pigment of this type indicate no toxicological relevant properties. Since the substance is poorly absorbed, no systemic effects are to be anticipated. Inhalation of dusts should be avoided as even inert dusts may impair respiratory organ functions. No evidence of carcinogenic properties. No evidence of mutagenic or teratogenic effects.

## 9. Physical and Chemical Properties

Code	Colour	Form	Particle Size	PH Value	Density	Oil Absorption
Y183	Silver White	Powder	50-500µm	7,0 - 11,0	2,8 - 3,4 g/cm <sup>3</sup>	70 - 90 g/100g
Y289	Sparkle Blue	Powder	10-125µm	7,0 - 11,0	2,8 - 3,4 g/cm <sup>3</sup>	70 - 90 g/100g
Y4003	Pink	Powder	10-60µm	7,0 - 11,0	2,8 - 3,4 g/cm <sup>3</sup>	70 - 90 g/100g
Y405	Blue	Powder	10-60µm	7,0 - 11,0	2,8 - 3,4 g/cm <sup>3</sup>	70 - 90 g/100g
Y415	Rich Red	Powder	10-60µm	7,0 - 11,0	2,8 - 3,4 g/cm <sup>3</sup>	70 - 90 g/100g
Y43720	Orange-Lilac-Blue	Powder	10-125µm	7,0 - 11,0	2,8 - 3,4 g/cm <sup>3</sup>	70 - 90 g/100g
Y438	Magic Green	Powder	10-60µm	7,0 - 11,0	2,8 - 3,4 g/cm <sup>3</sup>	70 - 90 g/100g
Y4708	Blue Green	Powder	10-60µm	7,0 - 11,0	2,8 - 3,4 g/cm <sup>3</sup>	70 - 90 g/100g
Y506	Grey Brown	Powder	10-60µm	7,0 - 11,0	2,8 - 3,4 g/cm <sup>3</sup>	70 - 90 g/100g
Y7607	Green	Powder	10-60µm	7,0 - 11,0	2,8 - 3,4 g/cm <sup>3</sup>	70 - 90 g/100g
Y7621	Silver Black	Powder	10-60µm	7,0 - 11,0	2,8 - 3,4 g/cm <sup>3</sup>	70 - 90 g/100g

Melting point : not available

Boiling point : not available

Ignition temperature : not available

Flash point : not available

Explosion limits (l. and u.) : not available

Solubility in water(20°C) : almost insoluble

## 10. Stability and Reactivity

- **Reactivity:** No decomposition if used according to specifications
- **Chemical stability:** Acid and alkali resistance under the normal temperatures
- **Possibility of hazardous reactions:** Not available
- **Conditions to avoid:** Not available
- **Incompatible materials:** Not available
- **Materials to be avoided:** Not available
- **Dangerous reactions:** No dangerous reactions known
- **Hazardous decomposition products:** Not available
  - Hazardous reactions:
  - No hazardous reactions when stored and handled according to instructions.
  - The product is chemically stable.
  - Hazardous polymerization will not occur.
  - Decomposition products: Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.
  - Thermal decomposition: No data available.
  - Corrosion to metals: No corrosive effect on metal.

## 11. Toxicological Information

- **Information on toxicological effects:** Acute toxicity
- **Oral:** Type of value: LD50
- Species: rat
- **Value:** > 2,000 mg/kg
- The product has not been tested. The statement has been derived from the properties of the individual components.

### Irritation / corrosion

- **Skin:** May cause mechanical irritation.
- **Eye:** May cause mechanical irritation.
- **Carcinogenicity**

## 12. Ecological Information

- **Toxicity:** No ecological problems are to be expected when this product is handled and used with due care and attention
- **Persistence and degradability:** Not available
- **Bioaccumulative potential:** Not available

- **Mobility in soil:** Not available
- **Results of PBT and vPVB assessment:** Not available
- **Other adverse effects:** Not available
- **Additional ecological information: General notes:**  
Water hazard class 1(German Regulation)(Self-assessment):slightly hazardous for water  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

#### Fish

- Acute: Fish/LC50 (96 h): not determined
- Chronic: No data available

#### Aquatic invertebrates

- Acute:daphnia/LC50 (48 h): not determined
- Chronic: No data available

#### Aquatic plants

- Toxicity to aquatic plants: algae/EC50 (72 h):not determined

#### Microorganisms

- Toxicity to microorganisms: bacteria/EC50 (0.5 h): not determined

#### Degradability / Persistence

- Biological / Abiological Degradation
- Evaluation: Not readily biodegradable (by OECD criteria).
- The colourant is insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plant

### **13. Disposal Considerations**

**13.1 Waste disposal of substance:** Must be disposed of or incinerated in accordance with local regulations.

Dispose of in a licensed facility. Do not discharge into drains/surface waters/groundwater. It is the waste generator's responsibility to determine if a particular waste is hazardous under RCRA.

**13.2 Container disposal:** Uncontaminated packaging can be re-used. Packs that cannot be cleaned should be disposed of in the same manner as the contents.



## 14. Transport information

- Not classified as a dangerous good under transport regulations

## 15. Regulatory Information

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

- **Section 335 (extremely hazardous substances):** None of the ingredients is listed.
- **Section 313 (specific toxic chemical listings):** None of the ingredients is listed.
- **Proposition 65 Chemical known to cause cancer:** None of the ingredients is listed.
- **Chemical known to cause reproductive toxicity for females:** None of the ingredients is listed.
- **Chemical known to cause developmental toxicity: None of the ingredients is listed.**
- **EPA (Environmental Protection Agency):** None of the ingredients is listed.
- **NTP (National toxicology Program):** None of the ingredients is listed.
- **OSHA-Ca (Occupational Safety & Health Administration):** None of the ingredients is listed.

#### labelling according to EU guidelines:

- Observe the general safety regulations when handling chemicals.
- The product has not been classified and marked in accordance with EU Directives/respective national laws.
- The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials
- The product has not classified as dangerous according to Directive 67/548/EEC, 1999/45/EC and Regulation (EC) No.1272/2008.
- National regulations: **Candidate List of Substance of very high concern(SVHC) according ECHA (18/06/2010):** None of the ingredients is listed
  - **REACH Regulation Annex XVII Restrictions List :**None of the ingredients is listed
  - **REACH Regulation Annex XVII Authorization Recommendation List:** None of the ingredients is listed

## 16. Other Information

The contents and format of this MSDS are in accordance with REGULATION (EC) No.1272/2008. (EC)No.1907/2006, EU Commission Directive 1999/45/EC, 67/548/EEC.

### **DISCLAIMER OF LIABILITY:**

The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or method of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in anyway connected with the handling, storage, use or disposal of the product. This MSDS/SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS/SDS information may not be applicable.

Relevant R-phrases 36/37/38 Irritating to eyes, respiratory system and skin.

- LC50: Lethal concentration, 50 percent

- LD50: Lethal dose, 50 percent