

# Safety Data Sheet

According to regulation (EC) No. 1907/2006 (REACH)



## 50704 Silver Glitter, 0.4 x 0.4 mm

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Revised edition: 16.03.2022

Version: 1

Printed: 20.09.2022

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### 1. Identification of the Substance/Mixture and of the Company/Undertaking

#### 1.1. Product Identifier

*Product Name:* Silver Glitter, 0.4 x 0.4 mm

*Article No.:* 50704

*UFI:* --

#### 1.2. Relevant identified Uses of the Substance or Mixture and Uses advised against

*Identified uses:*

*Color effect agent in the wallpaper industry, furniture and sport article industry, plastic industry*

*Uses advised against:*

#### 1.3. Details of the Supplier of the Safety Data Sheet (Producer/Importer)

*Company:* Kremer Pigmente GmbH & Co. KG

*Address:* Hauptstr. 41-47, 88317 Aichstetten, Germany

*Tel./Fax.:* Tel +49 7565 914480, Fax +49 7565 1606

*Internet:* [www.kremer-pigmente.com](http://www.kremer-pigmente.com)

*E-Mail:* [info@kremer-pigmente.com](mailto:info@kremer-pigmente.com)

*Importer:* --

#### 1.4. Emergency No.

*Emergency No.:* +49 7565 914480 (Mon-Fri 8:00 - 17:00)

#### 1.4.2 Poison Center:

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### 2. Hazards Identification

#### 2.1. Classification of the Substance or Mixture

*Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)*

*This product does not require classification and labelling as hazardous according to CLP/GHS.*

*Possible Environmental Effects:*

#### 2.2. Label Elements

*Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)*

*This product does not require classification and labelling as hazardous according to CLP/GHS.*

*Hazard designation:*

*Not applicable.*

*Signal word:*

*Hazard designation:*

*Safety designation:*

*Hazardous components for labelling:*

#### 2.3. Other Hazards

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### Composition/Information on Ingredients

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### 3.

#### 3.1. Substance

#### 3.2. Mixture

*Chemical Characterization:* Coated aluminium particles.

*Information on Components / Hazardous Ingredients:*

Aluminium powder (H261-228); REACH Reg. No. 01-2119529243-45	90 - 92 %	CAS-Nr: 7429-90-5 EINECS-Nr: 231-072-3 EC-Nr: 013-002-00-1
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Epoxy resin* high-polymer (H315-319-317-411); REACH Nr. 01-2119456619-26	8 %	CAS-Nr: 25068-38-6 EINECS-Nr: 500-033-5 EC-Nr:
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*Additional information:*

*\* hardened epoxy resin coating, average molecular weight > 700*

### 4. First Aid Measures

#### 4.1. Description of the First Aid Measures

*General information:*

*Seek medical attention in case of complaints.*

*After inhalation:*

*Supply fresh air.*

*After skin contact:*

*Wash with soap and rinse with plenty of water.*

*After eye contact:*

*Carefully remove particles from affected eye. If necessary remove contact lenses. Rinse with plenty of water and contact physician.*

*After ingestion:*

*Rinse mouth and give plenty of water to drink.  
If symptoms persist consult physician.*

#### 4.2. Most important Symptoms and Effects, both Acute and Delayed

*Symptoms:*

*No further information available.*

*Effects:*

#### 4.3. Indication of any Immediate Medical Attention and special Treatment needed

*Treatment:*

*Treat symptomatically.*

### 5. Fire-Fighting Measures

#### 5.1. Extinguishing Media

*Suitable extinguishing media:*

*Foam, carbon dioxide (CO<sub>2</sub>), extinguishing powder, water mist.*

*Unsuitable extinguishing media:*

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*Water spray.*

### 5.2. Special Hazards arising from the Substance or Mixture

*Special hazards:*

*In case of fire: formation of carbon oxide and other toxic and combustible gases.*

### 5.3. Advice for Firefighters

*Protective equipment:*

*Wear self-contained respiratory protective device.*

*Further information:*

*Keep product away from open fire and sparks.*

*The danger exists that the fire spreads due to the spontaneous combustion of gaseous decomposition products.*

*Therefore cool molten product with water.*

*Contaminated extinguishing water and debris should be disposed of according to local regulations.*

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## 6. Accidental Release Measures

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

*Personal precautions:*

*Do not inhale dust. Avoid formation of dust.*

### 6.2. Environmental Precautions

*Environmental precautions:*

*Product residues have to be removed mechanically before discharging waste water in the sewage system.*

### 6.3. Methods and Material for Containment and Cleaning Up

*Methods and material:*

*Clean up mechanically. Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.*

*Avoid dust formation.*

### 6.4. Reference to other Sections

*Protective clothing, see Section 8.*

*See Section 13 for information on disposal.*

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## 7. Handling and Storage

### 7.1. Precautions for Safe Handling

*Instructions on safe handling:*

*Avoid formation and deposition of dust. Provide adequate ventilation.*

*Hygienic measures:*

### 7.2. Conditions for Safe Storage, including any Incompatibilities

*Storage conditions:*

*Store dry and in the original tightly sealed containers.  
Protect against heat.*

*Requirements for storage areas and containers:*

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*Preferably store in the original container*

*Information on fire and explosion protection:*

*Keep away from sources of ignition.*

*Do not store together with: products of storage class 1, 5.1A and 6.2.*

*Storage class:*

*11; Combustible solids (TRGS 510)*

*Further Information:*

*No information available.*

### 7.3. Specific End Use(s)

*Further information:*

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## 8. Exposure Controls/Personal Protection

### 8.1. Parameters to be Controlled

*Parameters to be controlled (DE):*

*TRGS 900*

*TLV: 10 mg/m<sup>3</sup> inhalable fraction (general dust limit)*

*TLV: 1.5 mg/m<sup>3</sup> air-borne fraction (general dust limit)*

*TRGS 903 - Biological limit value (D)*

*Aluminium in urine: 50 µg/l*

*Parameters to be controlled:*

*Derived No-Effect Level (DNEL):*

*Predicted No-Effect Concentration (PNEC):*

*Additional Information:*

### 8.2. Exposure Controls

*Technical protective measures:*

*Provide adequate ventilation in case of dust formation.*

*Personal Protection*

*General protective measures:*

*Do not inhale dust. Do not eat, drink or smoke while working.*

*Wash hands before breaks and at the end of work.*

*Avoid contact with eyes.*

*Respiratory protection:*

*Dust mask recommended when very dusty (with particle filter P1, DIN 3181) or half-mask with particle filter FFP1 (DIN EN 140).*

*Hand protection:*

*In general not required.*

*In case of prolonged contact:*

*Protective glove material:*

*Butyl rubber (30 min; > 0.4 mm)*

*Eye protection:*

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*Safety glasses with protective shields (EN 166).*

*Body protection:*

*Protective clothing.  
Safety shoes.*

*Environmental precautions:*

*No special measures required.*

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### 9. Physical and Chemical Properties

#### 9.1. Information on Basic Physical and Chemical Properties

*Form: rectangular, hexagonal or square plates*

*Color: silver*

*Odor: odorless*

*Odor threshold:  
not applicable*

*pH-Value:  
not applicable*

*Melting temperature: 659°C*

*Boiling temperature: 2447°C*

*Flash point:  
not available*

*Evaporation rate:  
not applicable*

*Flammability (solid, gas):  
not available*

*Upper explosion limit:*

*Lower explosion limit:*

*Vapor pressure:  
can be neglected*

*Vapor density:*

*Density: 2.7 g/m<sup>3</sup>*

*Solubility in water: insoluble (20°C)*

*Coefficient of variation (n-  
Octanol/Water):  
not applicable*

*Auto-ignition temperature:*

*Product is not auto-ignitable (Test type: Spontaneous self-ignition  
at room temperature)*

*Decomposition temperature:*

*not applicable*

*Viscosity, dynamic:*

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*not applicable*

*Explosive properties:*

*Risk of dust or decomposition gas explosion.*

*Oxidizing properties:*

*none*

*Bulk density:*

### 9.2. Further Information

*Solubility in solvents:*

*Viscosity, kinematic:*

*Burning class:*

*Solvent content:*

*Solid content:*

*Particle size:*

*Other information:*

*Thermal resistance: 220°C*

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## 10. Stability and Reactivity

### 10.1. Reactivity

*No information available.*

### 10.2. Chemical Stability

*Stable if used according to specifications.*

### 10.3. Possibility of Hazardous Reactions

*None if used according to specifications.*

### 10.4. Conditions to Avoid

*Conditions to avoid:*

*No decomposition if used according to specifications.*

*Thermal decomposition:*

### 10.5. Incompatible Materials

*Strong acids, bases and oxidizing agents.*

### 10.6. Hazardous Decomposition Products

*Heating up causes the formation of aldehydes, carbon oxide, carbon dioxide, hydrocarbons.*

### 10.7. Further Information

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## 11. Toxicological Information

### 11.1. Information on Toxicological Effects

*No toxicity expected.*

*Acute Toxicity*

*LD50, oral:*

*LD50, dermal:*

*LC50, inhalation:*

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### *Primary effects*

*Irritant effect on skin:*

*Dust may cause irritation.*

*Irritant effect on eyes:*

*Product dust may cause irritation.*

*Inhalation:*

*Dust can cause irritation of the respiratory system.*

*Ingestion:*

*Sensitization:*

*No sensitizing effects known.*

*Mutagenicity:*

*No mutagenic effects known.*

*Reproductive toxicity:*

*No negative effects known.*

*Carcinogenicity:*

*No cancerogenic effect known.*

*Teratogenicity:*

*No teratogenic effects expected.*

*Specific target organ toxicity (STOT):*

*Single exposure: no organospecific toxicity expected.*

*Repeated exposure: no organospecific toxicity expected.*

*Additional toxicological information:*

*No toxicological data available.*

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## 12. Ecological Information

### 12.1. Aquatic Toxicity

*Fish toxicity:*

*No data available.*

*Daphnia toxicity:*

*Bacteria toxicity:*

*Algae toxicity:*

### 12.2. Persistency and Degradability

*Pigment is not soluble in water and biologically not degradable.*

### 12.3. Bioaccumulation

*No bioaccumulation.*

### 12.4. Mobility

*Product is not water soluble.*

### 12.5. Results of PBT- und vPvP Assessment

*Not applicable.*

### 12.6. Other Adverse Effects

*Water hazard class:*

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*Not hazardous.*

*Behaviour in sewage systems:*

*Further ecological effects:*

*No ecological data available.*

*No ecological problems expected.*

*AOX Value:*

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### 13. Disposal Considerations

#### 13.1. Waste Treatment Methods

*Product:*

*Recover or recycle if possible.*

*European Waste Code (EWC):*

*Uncleaned packaging:*

*Non-contaminated packaging may be recycled.*

*Waste Code No.:*

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### 14. Transport Information

#### 14.1. UN Number

*ADR, IMDG, IATA*

#### 14.2. UN Proper Shipping Name

*ADR/RID:*

*No hazardous goods according to ADR / DOT (US) (land transportation).*

*IMDG/IATA:*

*Not hazardous goods*

#### 14.3. Transport Hazard Classes

*ADR Class:*

*not applicable*

*Hazard no.:*

*Classification code:*

*Tunnel restriction code:*

*IMDG Class (sea):*

*not applicable*

*Hazard no.:*

*EmS No.:*

*IATA Class:*

*not applicable*

*Hazard no.:*

#### 14.4. Packaging Group

*ADR/RID:*

*not applicable*

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*IMDG:*

*IATA:*

**14. 5. Environmental Hazards**

*Not classified as environmentally hazardous.*

**14. 6. Special Precautions for User**

*Not classified as a dangerous good under transport regulations.*

**14. 7. Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code**

*not applicable*

**14. 8. Further Information**

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**15. Regulatory Information**

**15. 1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture**

*Water hazard class:*

*0, not hazardous (according to the German Regulation AwSV)*

*Local regulations on chemical accidents:*

*Does not underlie the Accident Ordinance.*

*Employment restrictions:*

*Restriction and prohibition of application:*

*Technical instructions on air quality:*

**15. 2. Chemical Safety Assessment**

*A Chemical Safety Assessment is not necessary for this product.*

**15. 3. Further Information**

*EC. REACH, Annex XIV, Candidate List of Substances of very High Concern (SVHC): not regulated / not applicable*

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**16. Other Information**

*This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations. This information contained herein is based on the present state of knowledge and is intended to describe our product from the point of view of safety requirements. It should be therefore not be construed as guaranteeing specific properties.*