

# Safety Data Sheet

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



## 50810 Holographic Silver Glitter, fine

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Revised edition: 21.01.2020

Version: 1.2

Printed: 21.09.2022

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

#### 1.1. Product Identifier

*Product Name:* Holographic Silver Glitter, fine

*Article No.:* 50810

*UFI:* --

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

*Identified uses:*

*Effect pigment, not suitable for basic and acid media.  
Effect pigment for different industries and decoration purposes.*

*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

*EMail:* 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:

### 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

*No special hazards known.*

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### 3. Composition/Information on Ingredients

#### 3.1. Substance

#### 3.2. Mixture

*Chemical Characterization:*

*Information on Components / Hazardous Ingredients:*

Aluminium powder (H261-228); REACH Reg. No. 01-2119529243-45	ca. 0.1 %	CAS-Nr: 7429-90-5 EINECS-Nr: 231-072-3 EC-Nr: 013-002-00-1
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Polyethylene terephthalate (PET)	90 - 95 %	CAS-Nr: 25038-59-9 EINECS-Nr: EC-Nr:
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Styrene acrylic coating, according to FDA (21 CFR, 176.170/180) and §§30 and 31 LFGB (German Food and Feed Code.	5 - 10 %	CAS-Nr: 9010-92-8 EINECS-Nr: EC-Nr:
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*Additional information:*

### 4. First Aid Measures

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

*General information:*

*Remove contaminated clothes.  
Seek medical attention in case of complaints.*

*After inhalation:*

*Supply fresh air and seek medical advice in case of complaints.*

*After skin contact:*

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

*After eye contact:*

*Rinse open eyes with plenty of water. In case of discomfort seek medical help.*

*After ingestion:*

*Rinse mouth immediately with water. Induce vomiting and consult a physician in case of complaints.*

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

*Symptoms:*

*None known.*

*Effects:*

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

*Treatment:*

*In case of accident or if you feel unwell seek medical advice immediately.*

### 5. Fire-Fighting Measures

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### 5. 1. Extinguishing Media

*Suitable extinguishing media:*

*Carbon dioxide (CO<sub>2</sub>), extinguishing powder, water spray, sand.*

*Unsuitable extinguishing media:*

### 5. 2. Special Hazards arising from the Substance or Mixture

*Special hazards:*

*In case of fire: formation of carbon monoxide, carbon dioxide.*

### 5. 3. Advice for Firefighters

*Protective equipment:*

*Wear self-contained respiratory protective device.*

*Further information:*

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## 6. Accidental Release Measures

### 6. 1. Personal Precautions, Protective Equipment and Emergency Procedures

*Personal precautions:*

*Keep away from sources of ignition. No smoking.*

*Keep unprotected persons out of danger zone.*

### 6. 2. Environmental Precautions

*Environmental precautions:*

*Do not allow entering sewage system or water.*

### 6. 3. Methods and Material for Containment and Cleaning Up

*Methods and material:*

*Clean up mechanically.*

*Clean with water.*

### 6. 4. Reference to other Sections

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## 7. Handling and Storage

### 7. 1. Precautions for Safe Handling

*Instructions on safe handling:*

*Avoid formation of dust.*

*Hygienic measures:*

*Do not eat or drink during work. Do not smoke.*

*Wash hands before breaks and after work.*

### 7. 2. Conditions for Safe Storage, including any Incompatibilities

*Storage conditions:*

*Store dry and in the original tightly sealed containers.*

*Store at room temperature.*

*Requirements for storage areas and containers:*

*Preferably store in the original container*

*Keep containers upright and protect from damage.*

*Information on fire and explosion*

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*protection:*

*Ground and bond containers when transferring material.  
Keep away from sources of ignition.  
Avoid dust formation.  
Do not store together with: acids and bases, strong oxidants,  
hydrogen halides and self-reactive substances.*

*Storage class:*

*Further Information:*

### 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):*

*No occupational exposure limits known.*

*Parameters to be controlled:*

*Derived No-Effect Level (DNEL):*

*Predicted No-Effect Concentration  
(PNEC):*

*Additional Information:*

### 8.2. Exposure Controls

*Technical protective measures:*

*Personal Protection*

*General protective measures:*

*Keep away from foodstuffs and drinks. Do not eat, drink or smoke  
during work. Wash hands before breaks and at the end of work.*

*Respiratory protection:*

*In case of formation of dust.*

*Hand protection:*

*Not required*

*Protective glove material:*

*Eye protection:*

*Safety glasses (EN 166)*

*Body protection:*

*No special protection required.*

*Environmental precautions:*

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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: metallic silver, iridescent reflective*

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Odor:	odorless
Odor threshold:	not applicable
pH-Value:	not available
Melting temperature:	> 170°C
Boiling temperature:	not determined
Flash point:	not available
Evaporation rate:	not applicable
Flammability (solid, gas):	not available
Upper explosion limit:	not applicable
Lower explosion limit:	not applicable
Vapor pressure:	not applicable
Vapor density:	No information available.
Density:	1.5 g/cm <sup>3</sup>
Solubility in water:	insoluble (20°C)
Coefficient of variation (n-Octanol/Water):	no information available
Auto-ignition temperature:	not applicable
Decomposition temperature:	No data available.
Viscosity, dynamic:	not applicable
Explosive properties:	Product does not present an explosion hazard.
Oxidizing properties:	no information available
Bulk density:	
<b>9.2. Further Information</b>	
Solubility in solvents:	

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*Viscosity, kinematic:*

*Burning class:*

*Solvent content:*

*Solid content:*

*Particle size:*

*Other information:*

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### 10. Stability and Reactivity

#### 10.1. Reactivity

*No decomposition if used according to specifications.*

#### 10.2. Chemical Stability

*Product is chemically inert at room temperature.*

#### 10.3. Possibility of Hazardous Reactions

*Reacts with strong bases and acids: violent reaction and formation of heat (development of hydrogen).*

*Reacts with oxidizers and hydrogen halides: violet reaction and formation of heat.*

#### 10.4. Conditions to Avoid

*Conditions to avoid:*

*Avoid the exposure to ultraviolet light.*

*Thermal decomposition:*

#### 10.5. Incompatible Materials

*None known.*

#### 10.6. Hazardous Decomposition Products

*Can cause flammable hydrogen gas.*

#### 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:*

*Primary effects*

*Irritant effect on skin:*

*No irritant effect known.*

*Irritant effect on eyes:*

*Particles may cause mechanical irritation.*

*Inhalation:*

*No information available.*

*Ingestion:*

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*No information available*

*Sensitization:*

*No sensitizing effects known.*

*Mutagenicity:*

*No relevant data found.*

*Reproductive toxicity:*

*No relevant data found.*

*Carcinogenicity:*

*No relevant data found.*

*Teratogenicity:*

*No relevant data found.*

*Specific target organ toxicity (STOT):*

*No relevant data found.*

*Additional toxicological information:*

*Aspiration hazard: not applicable*

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## 12. Ecological Information

### 12.1. Aquatic Toxicity

*No toxicity expected.*

*Fish toxicity:*

*Daphnia toxicity:*

*Bacteria toxicity:*

*Algae toxicity:*

### 12.2. Persistency and Degradability

*No information available.*

### 12.3. Bioaccumulation

*No information available.*

### 12.4. Mobility

*No information available.*

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

*This substance is not classified as PBT (persistent, bioaccumulative, toxic), nor as vPvB (very persistent, very bioaccumulative).*

### 12.6. Other Adverse Effects

*Water hazard class:*

*Not hazardous.*

*Behaviour in sewage systems:*

*Further ecological effects:*

*When used properly, no ecological problems expected.*

*AOX Value:*

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## 13. Disposal Considerations

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### 13.1. Waste Treatment Methods

*Product:*

*Recover or recycle if possible.*

*Disposal in accordance with local regulations.*

*European Waste Code (EWC):*

*070213 - Waste plastic*

*200139 - Municipal wastes - plastics*

*Uncleaned packaging:*

*Non-contaminated and emptied packaging may be taken for reuse.*

*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*

*IMDG:*

*IATA:*

#### 14.5. Environmental Hazards

*Not classified as environmentally hazardous.*

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### 14.6. Special Precautions for User

*not applicable*

### 14.7. Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code

### 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 (German Regulation; Self-assessment)*

*Local regulations on chemical accidents:*

*Employment restrictions:*

*Restriction and prohibition of application:*

*Technical instructions on air quality:*

### 15.2. Chemical Safety Assessment

*A Chemical Safety Assessment has not been carried out for this product.*

### 15.3. Further Information

*Regulation (EC) 648/2004 on detergents: not regulated / not applicable*

*Regulation (EC) 850/2004 - Persistent organic pollutants and amending Directive 79/117/EEC: not regulated / not applicable*

*Regulation (EC) 689/2008 concerning the export and import of dangerous chemicals: not regulated / not applicable*

*Regulation (EC) 2037/2000 - Substances that Deplete the Ozone Layer: does not contain any ozone-depleting substances of group I and II nor are any used for the manufacture.*

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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.*