

# Safety Data Sheet

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



## 53207 Mica Flakes, gold-copper, 1 - 7 mm

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Revised edition: 22.01.2020

Version: 6

Printed: 12.05.2020

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

#### 1.1. Product Identifier

*Product Name:* Mica Flakes, gold-copper, 1 - 7 mm

*Article No.:* 53207

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

*Identified uses:*

*Filler or pigment  
Chemical production  
Plastics*

*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

*E-Mail:* 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

*The product contains less than 1 % of airborne quartz, not enough*

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*for the hazard classification STOT RE 1.  
Handling of this product (crushing, grinding) can cause airborne dust which may contain quartz.  
Prolonged and/or massive inhalation of airborne quartz dust may cause lung fibrosis, commonly referred to as silicosis. The symptoms of silicosis are cough and breathlessness.  
The occupational exposure of the airborne cryptocrystalline silica has to be measured and observed.*

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### 3. Composition/Information on Ingredients

#### 3.1. Substance

#### 3.2. Mixture

*Chemical Characterization: Mica, CAS No. 12001-26-2*

*Information on Components / Hazardous Ingredients:*

*Additional information:*

*Exempted from the mandatory REACH Registration (Annex V No. 7)*

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### 4. First Aid Measures

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

*General information:*

*No special measures required.*

*After inhalation:*

*If breathing is difficult call a physician.  
Supply fresh air.*

*After skin contact:*

*Wash off with water.*

*After eye contact:*

*Rinse eyes with water.*

*After ingestion:*

*Rinse mouth with plenty of water.  
If symptoms persist consult physician.*

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

*Symptoms:*

*No further information available.*

*Effects:*

*No further information available.*

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

*Treatment:*

*Treat symptomatically.*

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### 5. Fire-Fighting Measures

#### 5.1. Extinguishing Media

*Suitable extinguishing media:*

*Product itself does not burn.*

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*Use extinguishing media for surrounding fire.*

*Unsuitable extinguishing media:*

*None known.*

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

*Special hazards:*

*Product is not flammable.*

### 5.3. Advice for Firefighters

*Protective equipment:*

*No special measures required.*

*Further information:*

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## 6. Accidental Release Measures

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

*Personal precautions:*

*Avoid formation of dust.*

### 6.2. Environmental Precautions

*Environmental precautions:*

*No special measures required.*

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

*Methods and material:*

*Clean up mechanically. 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 of dust.*

*Provide adequate ventilation.*

*Hygienic measures:*

*Keep away from foodstuffs and drinks.*

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

*Storage conditions:*

*Store in tightly sealed containers in a dry and cool room.*

*Protect from frost.*

*Requirements for storage areas and containers:*

*No special measures necessary.*

*Information on fire and explosion protection:*

*No special measures necessary.*

*Storage class:*

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13; Non combustible solids (TRGS 510)

*Further Information:*

### 7.3. Specific End Use(s)

*Further information:*

*No information available.*

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

*Parameters to be controlled:*

Suva-List 2011, MAK (CH): 10 mg/m<sup>3</sup> (inhalable fraction); 3 mg/m<sup>3</sup> (airborne fraktion)

GKV 2011, MAK (A): 10 mg/m<sup>3</sup> (inhalable fraction); 2.5 mg/m<sup>3</sup> (airborne fraction)

Silicium dioxide: EU-BOELV: 0.1 mg/m<sup>3</sup> (8h, airborne fraction)

*Derived No-Effect Level (DNEL):*

*No values available.*

*Predicted No-Effect Concentration (PNEC):*

*No values available.*

*Additional Information:*

### 8.2. Exposure Controls

*Technical protective measures:*

*Provide adequate ventilation in case of dust formation.*

*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:*

*Dust mask recommended when very dusty (with particle filter FFP2).*

*Hand protection:*

*Not required*

*Protective glove material:*

*Eye protection:*

*Not required.*

*Body protection:*

*Not required.*

*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:                                       | flakes                                        |
| Color:                                      | white-silvery gray                            |
| Odor:                                       | odorless                                      |
| Odor threshold:                             | No information available.                     |
| pH-Value:                                   | 8 - 10                                        |
| Melting temperature:                        | 1300°C                                        |
| Boiling temperature:                        | not applicable                                |
| Flash point:                                | not combustible                               |
| Evaporation rate:                           | not applicable                                |
| Flammability (solid, gas):                  | not applicable                                |
| Upper explosion limit:                      | no information available                      |
| Lower explosion limit:                      | no information available                      |
| Vapor pressure:                             | not applicable                                |
| Vapor density:                              | No information available.                     |
| Density:                                    | 2.7 g/cm <sup>3</sup>                         |
| Solubility in water:                        | insoluble                                     |
| 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:

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*no information available*

*Bulk density: 260 - 540 g/l*

### 9.2. Further Information

*Solubility in solvents:*

*Viscosity, kinematic:*

*Burning class:*

*Solvent content:*

*Solid content:*

*Particle size:*

*Other information:*

*No further information.*

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## 10. Stability and Reactivity

### 10.1. Reactivity

*Stable if used according to specifications.*

### 10.2. Chemical Stability

*The product is chemically stable.*

### 10.3. Possibility of Hazardous Reactions

*No information available.*

### 10.4. Conditions to Avoid

*Conditions to avoid:*

*No information available.*

*Thermal decomposition:*

*Protect from frost.*

### 10.5. Incompatible Materials

*There are no known products which are incompatible with this product.*

### 10.6. Hazardous Decomposition Products

*None known.*

### 10.7. Further Information

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## 11. Toxicological Information

### 11.1. Information on Toxicological Effects

*No toxicological effects known.*

*Acute Toxicity*

*LD50, oral:*

*LD50, dermal:*

*LC50, inhalation:*

*Primary effects*

*Irritant effect on skin:*

*No information available*

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*Irritant effect on eyes:*

*No information available.*

*Inhalation:*

*No information available.*

*Ingestion:*

*No information available*

*Sensitization:*

*No sensitizing effects known.*

*Mutagenicity:*

*No relevant data found.*

*Reproductive toxicity:*

*No information available.*

*Carcinogenicity:*

*No relevant data found.*

*Teratogenicity:*

*No information available.*

*Specific target organ toxicity (STOT):*

*Repeated exposure: longterm inhalation of high dust levels can cause silicosis.*

*Additional toxicological information:*

*No risk of aspiration.*

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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

*Not biodegradable.*

### 12.3. Bioaccumulation

*No bioaccumulation expected.*

### 12.4. Mobility

*Weak solubility and mobility.*

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

*Not applicable.*

### 12.6. Other Adverse Effects

*Water hazard class:*

*Not hazardous.*

*Behaviour in sewage systems:*

*Further ecological effects:*

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*AOX Value:*

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### 13. Disposal Considerations

#### 13.1. Waste Treatment Methods

*Product:*

*May be disposed together with household garbage or recycled.*

*European Waste Code (EWC):*

*Uncleaned packaging:*

*Empty containers should be taken to an approved waste handling site for recycling or disposal.*

*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 (land transportation).*

*IMDG/IATA:*

*No hazardous goods according to IMDG.*

#### 14.3. Transport Hazard Classes

*ADR Class:*

*not applicable*

*Hazard no.:*

*Classification code:*

*Tunnel restriction code:*

*IMDG Class (sea):*

*Hazard no.:*

*EmS No.:*

*IATA Class:*

*not applicable*

*Hazard no.:*

#### 14.4. Packaging Group

*ADR/RID:*

*not applicable*

*IMDG:*

*IATA:*

#### 14.5. Environmental Hazards

*None*

#### 14.6. Special Precautions for User

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

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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 (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

*Exempted from the mandatory REACH Registration (Annex V No. 7)*

15.3. Further Information

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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.*