

Safety Data Sheet

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



50701 Silver Glitter, 0.1 x 0.1 mm

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Revised edition: 16.03.2022

Version: 1

Printed: 20.09.2022

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

1.1. Product Identifier

Product Name: Silver Glitter, 0.1 x 0.1 mm

Article No.: 50701

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

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

Composition/Information on Ingredients

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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 (CO₂), 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.

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.

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:

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

Parameters to be controlled (DE):

TRGS 900

TLV: 10 mg/m³ inhalable fraction (general dust limit)

TLV: 1.5 mg/m³ 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.

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: *ca. 2.7 g/cm³*

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

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

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.

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:

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.:

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

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

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.