

Safety Data Sheet

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



50811 Holographic Silver Glitter, medium

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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, medium

Article No.: 50811

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 (CO₂), 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:

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

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:

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:

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 ³
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:	
9.2. Further Information	
Solubility in solvents:	

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Viscosity, kinematic:

Burning class:

Solvent content:

Solid content:

Particle size:

Other information:

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

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

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:

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.:

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

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.

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.