

Safety Data Sheet

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



50500 IRIODIN® 7225 Ultra Rutile Blue Pearl

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Revised edition: 08.07.2021

Version: 7.0

Printed: 29.07.2021

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

1.1. Product Identifier

Product Name: IRIODIN® 7225 Ultra Rutile Blue Pearl
Article No.: 50500
UFI: M5K4-N9Y8-J5S5-KTDQ

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

Identified uses:
Coloring agent

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:

Signal word:

Hazard designation:

EUH212

Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.

Safety designation:

Hazardous components for labelling:

2.3. Other Hazards

Composition/Information on Ingredients

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- 3.**
- 3.1. **Substance**
- 3.2. **Mixture**
- Chemical Characterization:* Mica laminated with titanium dioxide and tin oxide.
- Information on Components / Hazardous Ingredients:*
- Additional information:*
-

4. First Aid Measures

4.1. Description of the First Aid Measures

General information:

No special measures required.

After inhalation:

Supply fresh air. Consult physician if symptoms persist.

After skin contact:

Remove contaminated clothing. Wash off immediately with plenty of water and soap.

After eye contact:

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

After ingestion:

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:

No information available.

5. Fire-Fighting Measures

5.1. Extinguishing Media

Suitable extinguishing media:

Use extinguishing media for surrounding fire.

Unsuitable extinguishing media:

None known.

5.2. Special Hazards arising from the Substance or Mixture

Special hazards:

Product not combustible. Release of hazard fumes by surrounding fire.

5.3. Advice for Firefighters

Protective equipment:

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Wear self-contained respiratory protective device.

Further information:

6. Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

Avoid inhalation of dust.

Evacuate the danger area, observe emergency procedures, consult an expert.

6.2. Environmental Precautions

Environmental precautions:

No special measures required.

6.3. Methods and Material for Containment and Cleaning Up

Methods and material:

Take up mechanically and collect in suitable container for disposal. Rinse spill area. Avoid dust formation.

6.4. Reference to other Sections

See Section 13 for information on disposal.

7. Handling and Storage

7.1. Precautions for Safe Handling

Instructions on safe handling:

Observe label precautions.

Hygienic measures:

Change contaminated clothing. Wash hands after work.

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

Store in tightly sealed containers in a dry room.

Requirements for storage areas and containers:

Information on fire and explosion protection:

Storage class:

10-13 (TRSG 510)

Further Information:

7.3. Specific End Use(s)

Further information:

See Section 1.2.; no other uses provided

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

Parameters to be controlled (DE):

TRGS 900

TLV: 1.25 mg/m³ air-borne fraction (general dust limit)

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TLV: 10 mg/m³ inhalable fraction (general dust limit)
Titanium dioxide (CAS 13463-67-7), TLV (TRGS 900): 1.25 mg/m³ (8h, airborne dust), 10 mg/m³ (8h, inhalable dust); 2(II)

Parameters to be controlled:

Derived No-Effect Level (DNEL):

Predicted No-Effect Concentration (PNEC):

Additional Information:

8.2. Exposure Controls

Technical protective measures:

Technical protective measures have priority to personal protective measures.

Personal Protection

General protective measures:

Remove contaminated clothing. Wash hands after work.

Respiratory protection:

In case of formation of dust.

Dust mask recommended when very dusty (with particle filter P1).

Hand protection:

Not required

Protective glove material:

Eye protection:

Safety glasses (EN 166)

Body protection:

Environmental precautions:

No special measures required.

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

Form: powder

Color: yellow

Odor: odorless

Odor threshold: no information available

pH-Value: not soluble in water

Melting temperature: not available

Boiling temperature: not available

Flash point:

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not applicable

Evaporation rate:

No information available.

Flammability (solid, gas):

not available

Upper explosion limit:

no information available

Lower explosion limit:

no information available

Vapor pressure:

not determined

Vapor density:

No information available.

Density:

3.2 g/cm³ (20°C)

Solubility in water:

insoluble (20°C)

*Coefficient of variation (n-
Octanol/Water):*

no information available

Auto-ignition temperature:

No information available.

Decomposition temperature:

No data available.

Viscosity, dynamic:

not available

Explosive properties:

Product does not present an explosion hazard.

Oxidizing properties:

no information available

Bulk density:

300 - 340 kg/m³

9.2. Further Information

Solubility in solvents:

Viscosity, kinematic:

Burning class:

Solvent content:

Solid content:

Particle size:

10 - 60 µm

Other information:

10. Stability and Reactivity

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10.1.	Reactivity	<i>No information available.</i>
10.2.	Chemical Stability	<i>Stable at room temperature.</i>
10.3.	Possibility of Hazardous Reactions	<i>No information available.</i>
10.4.	Conditions to Avoid	
	<i>Conditions to avoid:</i>	<i>No information available.</i>
	<i>Thermal decomposition:</i>	<i>No data available.</i>
10.5.	Imcompatible Materials	<i>No information available.</i>
10.6.	Hazardous Decomposition Products	<i>No information available.</i>
10.7.	Further Information	
11.	Toxicological Information	
11.1.	Information on Toxicological Effects	
	<i>Acute Toxicity</i>	
	<i>LD50, oral:</i>	<i>Not testable. All test animals (rat) survived 5000 mg/kg.</i>
	<i>LD50, dermal:</i>	<i>No information available.</i>
	<i>LC50, inhalation:</i>	<i>> 10.1 mg/l (4h, rat)</i>
	<i>Primary effects</i>	
	<i>Irritant effect on skin:</i>	<i>Non irritating (rabbit)</i>
	<i>Irritant effect on eyes:</i>	<i>Non-irritating to eyes (rabbit)</i>
	<i>Inhalation:</i>	<i>No information available.</i>
	<i>Ingestion:</i>	<i>No information available</i>
	<i>Sensitization:</i>	<i>No sensitizing effect (guinea pig).</i>
	<i>Mutagenicity:</i>	<i>No relevant data found.</i>
	<i>Reproductive toxicity:</i>	<i>No negative effects up to 20 000 ppm (rat).</i>

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Carcinogenicity:

No relevant data found.

Teratogenicity:

No information available.

Specific target organ toxicity (STOT):

Single exposure: no information available.

Repeated exposure: no information available.

Additional toxicological information:

No quantitative toxicological data available for this product.

The animals studies carried out with pigments similar to this product did not show any significant negative results.

Avoid inhalation of dust. Even inert dusts can impair the function of the respiratory system.

12. Ecological Information

12.1. Aquatic Toxicity

No information available.

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

On the basis of available data, the product does not contain any PBT or vPvB substances in percentage greater than 0.1 %.

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

13.1. Waste Treatment Methods

Product:

Dispose of product residues according to the waste disposal guidelines 2008/98/EC as well as according to official national and local regulations.

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European Waste Code (EWC):

Uncleaned packaging:

*Dispose of according to official local regulations.
Contaminated packaging must be disposed like the substance.*

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 (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

None

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 (German Regulation; Self-assessment)

Local regulations on chemical accidents:

Seveso III Directive: not applicable under Directive 2012/18/EC.

Employment restrictions:

The employment restrictions for young workers in accordance with the Youth Employment Protection Law are to be observed.

Restriction and prohibition of application:

EC. REACH, Section XVII, Restrictions on the Manufacture, Placing on the Market and Use of Certain Dangerous Substances, Preparations and Articles: not applicable

Technical instructions on air quality:

15.2. Chemical Safety Assessment

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

REACH - Candidate List of Substances of Very High Concern for Authorization (Article 59): not applicable

15.3. Further Information

Regulation (EC) 1005/2009 - Substances that Deplete the Ozone Layer: not regulated / not applicable

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

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.