

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

Identification of the Product

Product Name: Pearl Luster IRIODIN® Colibri Red, Kremer Watercolor
Article No.: 504008
Use of the Substance/Preparation: Artists' and Restoration Material

Company

Company: Kremer Pigmente GmbH & Co. KG
Address: Hauptstrasse 41-47, D 88317 Aichstetten
Tel/Fax: Tel +49 7565 91120, Fax +49 7565 1606
Internet: www.kremer-pigmente.de, kremer-pigmente@t-online.de
Emergency No.: +49 7565 91120, Mon-Fri 8:00 - 17:00

2. Hazard Identification

Designation according to EC Regulation No.1272/2008

GHS Classification This product does not require classification and labelling as hazardous according to CLP/GHS.

Designation according to EC Regulation No. 67/548 or No.1999/45

Hazard designation: The material is not subject to classification according to EC lists.

3. Composition/Information on Ingredients

Chemical Characterization: Pearl luster colibri red (mica laminated with iron oxide) in Carol Gillot's watercolor medium.
Watercolor medium:
Gum Arabic: CAS No. 9000-01-5; EINECS 2325195
Honey
Glycerol: 1,2,3-Trihydroxypropane CAS No.: 56-81-5; EINECS 200-895

4. First Aid Measures

After inhalation: Supply fresh air. Consult physician if symptoms persist.
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: If symptoms persist consult physician.

5. Fire-Fighting Measures

Suitable extinguishing media: Use extinguishing media for surrounding fire.
Protective equipment: Wear self-contained respiratory protective device.
Special hazards: Product not combustible. Release of hazard fumes by surrounding fire.

6. Accidental Release Measures

Personal precautions: Do not inhale dust.

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Revised edition: 28.06.2011

Methods of cleaning/absorption: Take up mechanically and collect in suitable container for disposal.
Rinse spill area. Avoid dust formation.

7. Handling and Storage

Handling

Instructions on safe handling: No special measures necessary if properly handled.

Storage

Storage conditions: Store in tightly sealed containers in a dry room.

8. Exposure Controls/Personal Protection

Components with workplace control parameters (Germany): TRGS 900
TWA-Value: 3 mg/m³ air-borne fraction (general dust limit)
TWA: 10 mg/m³ general dust limit inhalable fraction.
Peak limit category II (2)

Personal protective equipment

General protective measures: Remove contaminated clothing. Wash hands after work.
Respiratory protection: In case of formation of dust.
Hand protection: Not required
Eye protection: Safety glasses with protective shields (EN 166).

9. Physical and Chemical Properties

Form: solid
Color: red
Odor: odorless
Melting temperature: not available
Boiling temperature: not available
Flash point: not applicable
Density: 3.3-3.5 g/cm³ (20°C)
Bulk density: 260 - 280 kg/m³
Solubility in water: soluble
pH-Value: 3-7 (100 g/l H₂O; 20°C)
Further information: The data is based on the containing pigment.

10. Stability and Reactivity

Thermal decomposition/Conditions to be avoided: None known.
Substances to be avoided: No information available.
Hazardous decomposition products: None known.

11. Toxicological Information

Acute toxicity

LD50, oral: Not testable. All test animals (rat) survived 15 000 mg/kg.

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LD50, inhalation:	4.6 - 14.9 mg/l air (male animals; Rat); >14.9 mg/l air (female animals)
<i>Primary effects</i>	
Irritant effect on skin:	Non irritating (rabbit)
Irritant effect on eyes:	Non-irritating to eyes (rabbit)
Sensitization:	No sensitizing effect (guinea pig).
Chronic toxicity:	No toxicological or cancerogenic effects observed in a food study over a period of 2.5 years by the addition of 5% of the product (rat).
Subchronic toxicity:	No negative effects up to 50 000 ppm (rat).
Further toxicological effects:	No quantitative toxicological data available for this product. Avoid inhalation of dust. Even inert dusts can impair the function of the respiratory system. The product did not show any genetic-toxicological effects in the micronucleus test (2000 mg/kg rat; limit test). The above data are based on the containing pigment.

12. Ecological Information

Further ecological effects: When used properly, no ecological problems expected.

Further information

Water hazard class: 0

13. Disposal Considerations

Product: Dispose of according to official national and local regulations.

Uncleaned packaging: Dispose of according to official local regulations.
Packaging that may not be disposed of in the same manner as the product.

14. Transport Information

Further information: Not classified as a dangerous good under transport regulations.

15. Regulatory Information

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

Water hazard class: 0, not hazardous

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.