

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

Product Name: Irgazin® Orange DPP RA
Article No.: 23178
Use of the Substance/Preparation: Artists' and Restoration Material

Company

Company: Kremer Pigmente GmbH & Co. KG
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2. Hazard Identification

Hazard designation: Product is not considered to be hazardous according to EC Guideline 67/548/EWG.

3. Composition/Information on Ingredients

Chemical Characterization: Diketo-pyrrolo-pyrrol
C.I. Pigment Orange 73, 561170

4. First Aid Measures

After inhalation: Take affected person to fresh air and seek medical advice in case of complaints.
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: Rinse mouth with plenty of water and consult physician.
General information: Immediately get medical help.

5. Fire-Fighting Measures

Suitable extinguishing media: Foam, carbon dioxide (CO₂), water.
Protective equipment: Use self-containing breathing apparatus.
Special hazards: In case of fire: formation of carbon, nitrogen and phosphorus oxides. Formation of hazardous combustion gases or vapors possible in the event of fire.
Further information: Cool exposed containers with water spray.

6. Accidental Release Measures

Personal precautions: Avoid contact with skin, eyes and clothing. Do not ingest or inhale.
Environmental precautions: Prevent contamination of soil, drains and surface waters.
Methods of cleaning/absorption: Take up mechanically and collect in suitable container for disposal. Avoid dust formation and static discharges. Wear protective gear and self-contained breathing apparatus.

7. Handling and Storage

Handling

Instructions on safe handling: Avoid dust formation.

Information on fire and explosion protection: Risk of dust explosion.

Keep away from sources of ignition - do not smoke. Take precautionary measures against static discharges.

Storage

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

8. Exposure Controls/Personal Protection

Additional information about design of technical systems: Provide adequate ventilation in case of dust formation.

Components with workplace control parameters (Germany): TRGS 900

MAC-Value: 3 mg/m³ air-borne fraction (general dust limit)

MAC-Value: 10 mg/m³ general dust limit inhalable fraction.

Personal protective equipment

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 the shift.

Respiratory protection: Respiratory protection (e.g. FFP 2).

Hand protection: PVC gloves recommended.

Eye protection: Safety glasses with protective shields (EN 166).

9. Physical and Chemical Properties

Form: powder

Color: orange

Odor: odorless

Melting temperature: > 400°C

Boiling temperature: not applicable

Flash point: not applicable

Ignition temperature: 470°C

Self-ignition: approx. 380°C

Solubility in water: insoluble (20°C)

Solubility in solvents: almost insoluble (approx. 0.15 mg/100 g (37°C) in simulated fat HB 307).

pH-Value: ca. 7.5

Viscosity kinematic: not applicable

Coefficient of variation (n-Octanol/Water): 5 (24°C)

10. Stability and Reactivity

Thermal decomposition/Conditions to be avoided: Stable when used according to specifications.

Hazardous decomposition products:

Further information:

In case of fire: formation of carbon, nitrogen and phosphorus oxides. Formation of other toxic gases and vapors is also possible.

No risk of explosion when heated. No exothermal reaction up to 500°C.

11. Toxicological Information

Acute toxicity

LD50, oral: > 2000 mg/kg (rat)

LD50, dermal: > 2000 mg/kg (rat)

Primary effects

Irritant effect on skin: Non irritating (rabbit)

Irritant effect on eyes: Non-irritating to eyes (rabbit)

Sensitization: No sensitizing effect (guinea pig).

Further toxicological effects: No mutagenic effects observed.

12. Ecological Information

Elimination (Persistency and Degradability):

Biologically non-degradable (mod. Sturm-Test, 28 days).

- Fish toxicity: No negative effects.

- Daphnia toxicity: No negative effects.

- Bacteria toxicity: EC50: > 100 mg/l (sewage bacteria)

- Algae toxicity: No negative effects.

Further ecological effects: The product is not soluble in water. No negative effects expected.

Further information

Water hazard class: 1

13. Disposal Considerations

Product: In accordance with current regulations, product may be taken to an incineration plant.

Waste Code Nr.: 061303

Uncleaned packaging: Dispose according to product.
Clean packaging material can be recycled.

14. Transport Information

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

15. Regulatory Information

Designation according to EC guidelines: The material is not subject to classification according to EC lists.

Water hazard class: 1, slightly hazardous for water

16. Other Information

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations.

Safety Data Sheet

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

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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.