

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

Product Name: Irgazin® Orange DPP RA, Kremer Watercolor
Article No.: 231788
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) 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: 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 contact with eyes, skin and clothing.

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.

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:	solid
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:	soluble
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)
Further information:	The data is based on the containing pigment.

10. Stability and Reactivity

Thermal decomposition/Conditions to be avoided:

Stable when used according to specifications.

Hazardous decomposition products:

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

Further information:

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

The results are based on the dry pigment.

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.

The above data are based on the containing pigment.

12. Ecological Information

Elimination (Persistence 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.

The above data are based on the containing pigment.

Further information

Water hazard class:

1

13. Disposal Considerations

Product:

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

Uncleaned packaging:

Clean packaging material can be recycled.

Dispose according to product.

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.

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.