

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

Product Name: Translucent Orange-Red
Article No.: 52350
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: None known.

3. Composition/Information on Ingredients

Chemical Characterization: Iron(III) oxide. Pigment Yellow 101, C.I. Nr. 77491.
CAS No. 1309-37-1; EINECS No. 215-168-2

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 for at least 15 minutes.
After ingestion: Rinse mouth and drink plenty of water.
Information for physician: Symptomatic treatment (decontamination, vital functions), no specific antidote known.

5. Fire-Fighting Measures

Suitable extinguishing media: Foam, carbon dioxide (CO₂), extinguishing powder, water jet.
Protective equipment: Use self-containing breathing apparatus.
Special hazards: In case of fire: Hazardous vapours may be released. Development of fumes/aerosol.
Further information: Dispose of fire debris and contaminated extinguishing water in accordance with local regulations.

6. Accidental Release Measures

Personal precautions: Avoid dust formation, wear protective clothing.
Environmental precautions: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.
Methods of cleaning/absorption: Small spills:
Clean up with suitable appliance and dispose adequately.
For large spills:

Methods of cleaning/absorption: Contain with dust binding material and dispose accordingly.
Avoid dust formation.

7. Handling and Storage

Handling

Instructions on safe handling: Respiratory protection when handling without exhaust system.
Information on fire and explosion protection: Avoid dust formation.

Storage

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

8. Exposure Controls/Personal Protection

Additional information about design of technical systems: Provide adequate ventilation.

Components with workplace control parameters (Germany): Iron(III) oxide, CAS No. 1309-37-1

TRGS 900

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

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

Personal protective equipment

General protective measures: The usual precautionary measures are to be adhered to when handling chemicals.
Protective clothing recommended due to the coloring effects of the product.
Wash hands before breaks and after work.

Respiratory protection: In case of high concentration or long-term exposure of dust: particle filter type P1 or FFP1, EN 143 or 149 (for solid particles).

Hand protection: Chemical protective gloves (EN 374).
The glove supplier's instructions must be followed due to the large variety of protective gloves.

Protective glove material: Nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinyl chloride (0.7 mm).

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

9. Physical and Chemical Properties

Form: powder
Color: red
Odor: odorless
Melting temperature: > 1000°C
Density: 4.5 - 5 g/cm³ (20°C)
Solubility in water: insoluble

10. Stability and Reactivity

Hazardous reactions: None if handled and stored according to specifications.
Hazardous decomposition products: None if stored and handled according to specifications.

11. Toxicological Information*Acute toxicity*

LD50, oral: > 5000 mg/kg (rat)

Primary effects

Irritant effect on skin: Non irritating (rabbit)

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

Further toxicological effects: Result based on a product with similar composition.

12. Ecological Information

Elimination (Persistency and Degradability): The product is virtually insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plants.

Ecological effects

Aquatic toxicity: :

- Fish toxicity: LC0: > 1000 mg/l (48h, *Leuciscus idus*)- Bacteria toxicity: EC0: > 1000 mg/l (*Pseudomonas putida*)

Further ecological effects: Result based on a product with similar composition.

Further information

Water hazard class: 0

13. Disposal Considerations

Product: In accordance with current regulations, product may be taken to waste disposal site or incineration plant, after consultation with site operator and/or with the responsible authority.

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

Material safety evaluation: The material is not subject to classification according to EC lists.

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.