

Safety Data Sheet

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



52350 Translucent Orange-Red

Page 1

Revised edition: 20.07.2018

Version: 4.1

Printed: 08.05.2020

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

1.1. Product Identifier

Product Name: Translucent Orange-Red

Article No.: 52350

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

Identified uses:

Coloring agent for dye and varnish industry

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)

No classification required according to the CLP/GHS guidelines.

Hazard designation:

Not applicable.

Signal word:

Hazard designation:

Safety designation:

Hazardous components for labelling:

2.3. Other Hazards

3. Composition/Information on Ingredients

3.1. Substance

Mixture

next page: 2

Safety Data Sheet

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



52350 Translucent Orange-Red

Page 2

Revised edition: 20.07.2018

Version: 4.1

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3.2.

Chemical Characterization: Iron(III) oxide. Pigment Red 101, C.I. No. 77491

Information on Components / Hazardous Ingredients:

Diiron trioxide (Fe ₂ O ₃); REACH Reg. No. 01-2119457614-35-0009	100 %	CAS-Nr: 1309-37-1 EINECS-Nr: 215-168-1 EC-Nr:
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Additional information:

4. First Aid Measures

4.1. Description of the First Aid Measures

General information:

Remove contaminated clothes.

After inhalation:

Supply 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 with water and drink plenty of water.

4.2. Most important Symptoms and Effects, both Acute and Delayed

Symptoms:

No further information available.

Effects:

4.3. Indication of any Immediate Medical Attention and special Treatment needed

Treatment:

Treat symptomatically.

5. Fire-Fighting Measures

5.1. Extinguishing Media

Suitable extinguishing media:

Extinguishing powder, foam.

Unsuitable extinguishing media:

Carbon dioxide (CO₂)

5.2. Special Hazards arising from the Substance or Mixture

Special hazards:

In case of fire: hazardous vapors may be released. Development of fumes/aerosol.

5.3. Advice for Firefighters

Protective equipment:

next page: 3

Safety Data Sheet

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



52350 Translucent Orange-Red

Page 3

Revised edition: 20.07.2018

Version: 4.1

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Wear self-contained respiratory protective device.

Further information:

Contaminated extinguishing water and debris should be disposed of according to local regulations.

6. Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

Avoid formation of dust, wear protective clothing.

6.2. Environmental Precautions

Environmental precautions:

Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

6.3. Methods and Material for Containment and Cleaning Up

Methods and material:

Small spills:

Clean up with suitable appliance and dispose adequately.

Large spills:

Contain with dust binding material and dispose accordingly.

Avoid dust formation.

6.4. Reference to other Sections

Protective clothing, see Section 8.

See Section 13 for information on disposal.

7. Handling and Storage

7.1. Precautions for Safe Handling

Instructions on safe handling:

Respiratory protection when handling without exhaust system.

Hygienic measures:

Wash hands before breaks and after work.

Keep away from foodstuffs and drinks.

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:

Avoid dust formation.

Storage class:

13; Non combustible solids (TRGS 510)

Further Information:

7.3. Specific End Use(s)

Further information:

next page: 4

Safety Data Sheet

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



52350 Translucent Orange-Red

Page 4

Revised edition: 20.07.2018

Version: 4.1

Printed: 08.05.2020

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

Parameters to be controlled (DE):

No occupational exposure limits known.

Parameters to be controlled:

Derived No-Effect Level (DNEL):

Predicted No-Effect Concentration (PNEC):

Additional Information:

8.2. Exposure Controls

Technical protective measures:

Provide adequate ventilation.

Personal Protection

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 higher concentration or long-term exposure of dust: particle filter type P2, EN 143 (for solid and liquid particles).

Hand protection:

Chemical protective gloves (EN 374 (Europe), F739 (US)).

The manufacturer's directions for use should be observed because of the great diversity of types.

Protective glove material:

Recommended: Protective index 6, > 480 min. of permeation time accord. EN 374.

Nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinyl chloride (0.7 mm).

Eye protection:

Safety glasses with protective shields (EN 166).

Body protection:

Environmental precautions:

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

Form: powder

Color: red

Odor: odorless

Odor threshold:

next page: 5

Safety Data Sheet

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



52350 Translucent Orange-Red

Page 5

Revised edition: 20.07.2018

Version: 4.1

Printed: 08.05.2020

	<i>not determined</i>
<i>pH-Value:</i>	6 - 8 (DIN EN ISO 787-9)
<i>Melting temperature:</i>	> 1000°C (1013 hPa)
<i>Boiling temperature:</i>	<i>not applicable</i>
<i>Flash point:</i>	<i>not applicable</i>
<i>Evaporation rate:</i>	<i>This product is a non-volatile solid.</i>
<i>Flammability (solid, gas):</i>	<i>not flammable</i>
<i>Upper explosion limit:</i>	<i>not determined</i>
<i>Lower explosion limit:</i>	<i>no information available</i>
<i>Vapor pressure:</i>	<i>not applicable</i>
<i>Vapor density:</i>	<i>This product is a non-volatile solid.</i>
<i>Density:</i>	ca. 4.5 g/cm ³ (20°C)
<i>Solubility in water:</i>	<i>insoluble</i>
<i>Coefficient of variation (n-Octanol/Water):</i>	<i>not determined</i>
<i>Auto-ignition temperature:</i>	<i>Product is not auto-ignitable.</i>
<i>Decomposition temperature:</i>	<i>No data available.</i>
<i>Viscosity, dynamic:</i>	<i>not applicable</i>
<i>Explosive properties:</i>	<i>Product does not present an explosion hazard.</i>
<i>Oxidizing properties:</i>	<i>not oxidizing</i>
<i>Bulk density:</i>	ca. 125 kg/m ³

9.2. Further Information

Solubility in solvents:

Viscosity, kinematic:

Burning class:

next page: 6

Safety Data Sheet

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



52350 Translucent Orange-Red

Page 6

Revised edition: 20.07.2018

Version: 4.1

Printed: 08.05.2020

Solvent content:

Solid content:

Particle size:

Other information:

Hygroscopy: not hygroscopic

10. Stability and Reactivity

10.1. Reactivity

Stable if used according to specifications.

10.2. Chemical Stability

Stable if used according to specifications.

10.3. Possibility of Hazardous Reactions

None if handled and stored according to specifications.

10.4. Conditions to Avoid

Conditions to avoid:

Avoid formation of dust.

Thermal decomposition:

10.5. Incompatible Materials

None known.

10.6. Hazardous Decomposition Products

None if stored and handled according to specifications.

10.7. Further Information

11. Toxicological Information

11.1. Information on Toxicological Effects

Acute Toxicity

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

LD50, dermal:

No information available.

LC50, inhalation:

No information available.

Primary effects

Irritant effect on skin:

Non irritating (rabbit; OECD 404)

Irritant effect on eyes:

Non-irritating to eyes (rabbit; OECD 405)

Inhalation:

No information available.

Ingestion:

No information available

Sensitization:

Not sensitizing (guinea pig).

next page: 7

Safety Data Sheet

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



52350 Translucent Orange-Red

Page 7

Revised edition: 20.07.2018

Version: 4.1

Printed: 08.05.2020

Mutagenicity:

Not mutagenic.

Reproductive toxicity:

Carcinogenicity:

Teratogenicity:

Specific target organ toxicity (STOT):

Additional toxicological information:

By analogy with a product of similar composition.

12. Ecological Information

12.1. Aquatic Toxicity

Fish toxicity:

LC0: > 1000 mg/l (48h, Leuciscus idus)

Daphnia toxicity:

LC50: > 100 mg/l (48h, Daphnia magna; OECD 202)

Bacteria toxicity:

EC50: > 10000 mg/l (3h, active sludge)

Algae toxicity:

12.2. Persistency and Degradability

The product is virtually insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plants.

12.3. Bioaccumulation

Due to the product's consistency and low water solubility, bioavailability is improbable.

12.4. Mobility

Volatility: The substance will not evaporate into the atmosphere from the water surface.

Adsorption to solid soil phase is not expected.

12.5. Results of PBT- und vPvP Assessment

Inorganic substance: does not comply with the criteria for the classification as PBT or vPvB.

12.6. Other Adverse Effects

Water hazard class:

Not hazardous.

Behaviour in sewage systems:

Further ecological effects:

The product does not contain any substances which can deplete the ozone layer, according to Section I of EC-Directive 2037/2000/EC.

AOX Value:

13. Disposal Considerations

13.1. Waste Treatment Methods

next page: 8

Safety Data Sheet

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



52350 Translucent Orange-Red

Page 8

Revised edition: 20.07.2018

Version: 4.1

Printed: 08.05.2020

Product:

*Product can be disposed together with household garbage or incinerated according to local regulations.
If possible reuse product.*

European Waste Code (EWC):

Uncleaned packaging:

*Uncontaminated packaging may be recycled.
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:

No hazardous goods according to IMDG.

14.3. Transport Hazard Classes

ADR Class:

not applicable

Hazard no.:

Classification code:

Tunnel restriction code:

IMDG Class (sea):

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

next page: 9

Safety Data Sheet

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



52350 Translucent Orange-Red

Page 9

Revised edition: 20.07.2018

Version: 4.1

Printed: 08.05.2020

14.8. Further Information

15. Regulatory Information

15.1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

Water hazard class:

0, not hazardous (according to the German Regulation AwSV)

Local regulations on chemical accidents:

Employment restrictions:

Restriction and prohibition of application:

Technical instructions on air quality:

15.2. Chemical Safety Assessment

A Chemical Safety Assessment has been carried out for this product.

15.3. Further Information

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.