

Material Safety Data Sheet

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



23570 Pyranthrone Orange

Page 1

Revised edition: 11.04.2016

Version: 1

Printed: 11.04.2016

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

1.1. Product Identifier

Product Name: Pyranthrone Orange

Article No.: 23570

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

Identified uses:

Pigment in artists colors.

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.de

E-Mail: info@kremer-pigmente.de

Importer: --

1.4. Emergency No.

Emergency No.: +49 7565 914480 (Mon-Fri 8:00 - 17:00)

2. Hazards Identification

2.1. Classification of the Substance or Mixture

Classification according to EC Regulation 1272/2008

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

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

The material is not subject to classification according to EC lists.

Safety Phrases:

Possible Environmental Effects:

2.2. Label Elements

Classification according to EC Regulation 1272/2008

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

Hazard designation:

Not applicable.

Signal word:

Hazard designation:

Safety designation:

Hazardous components for labelling:

Other Hazards

next page: 2

Material Safety Data Sheet

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



23570 Pyranthrone Orange

Page 2

Revised edition: 11.04.2016

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2.3.

3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

Chemical Characterization:

Pigment Orange 36, C.I. 11780. CAS No. 12236-62-3, EINECS 235-462-4

Hazardous Ingredients:

Additional information:

4. First Aid Measures

4.1. Description of the First Aid Measures

General information:

Seek medical attention in case of complaints.

After inhalation:

Supply fresh air and seek medical advice in case of complaints.

After skin contact:

Wash with soap and rinse with plenty of water.

After eye contact:

*Rinse open eyes with plenty of water for at least 15 minutes.
Consult physician.*

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:

Foam, extinguishing powder, water spray.

Unsuitable extinguishing media:

None known.

5.2. Special Hazards arising from the Substance or Mixture

Special hazards:

No information available.

5.3. Advice for Firefighters

Protective equipment:

Wear suitable protective clothing.

next page: 3

Material Safety Data Sheet

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



23570 Pyranthrone Orange

Page 3

Revised edition: 11.04.2016

Version: 1

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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:

Do not inhale dust.

6.2. Environmental Precautions

Environmental precautions:

Prevent contamination of soil, drains and surface waters.

6.3. Methods and Material for Containment and Cleaning Up

Methods and material:

Take up mechanically and collect in suitable containers for disposal. Avoid dust formation.

6.4. Reference to other Sections

Protective clothing, see Section 8.

7. Handling and Storage

7.1. Precautions for Safe Handling

Instructions on safe handling:

*Avoid formation of dust. Do not inhale dust.
Provide adequate ventilation.*

Hygienic measures:

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 and cool room.

Requirements for storage areas and containers:

No special measures necessary.

Information on fire and explosion protection:

Take measures to prevent electrostatic discharge.

Storage class (VCI):

10-13

Further Information:

Store in a dry place.

7.3. Specific End Use(s)

Further information:

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

Parameters to be controlled (DE):

none known

next page: 4

Material Safety Data Sheet

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



23570 Pyranthrone Orange

Page 4

Revised edition: 11.04.2016

Version: 1

Printed: 11.04.2016

Parameters to be controlled:

Derived No-Effect Level (DNEL):

No values available.

Predicted No-Effect Concentration (PNEC):

No values available.

Additional Information:

8.2. Exposure Controls

Technical protective measures:

Provide adequate ventilation/exhaust system.

Personal Protection

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 work.

Respiratory protection:

Dust mask recommended when very dusty.

Hand protection:

Not required

Protective glove material:

Eye protection:

Safety glasses (EN 166)

Body protection:

Protective clothing, antistatic.

Environmental precautions:

No special measures required.

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

Form: powder

Color: orange

Odor: odorless

Odor threshold:

No information available.

pH-Value: 7 - 9 (111 g/l; 20°C)

Melting temperature: > 360°C

Boiling temperature:

not applicable

Flash point:

not applicable

Evaporation rate:

not applicable

next page: 5

Material Safety Data Sheet

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



23570 Pyranthrone Orange

Page 5

Revised edition: 11.04.2016

Version: 1

Printed: 11.04.2016

Flammability (solid, gas):

not applicable

Upper explosion limit:

no information available

Lower explosion limit:

no information available

Vapor pressure:

not applicable

Vapor density:

No information available.

Density:

Solubility in water:

insoluble

Coefficient of variation (n-Octanol/Water):

no information available

Auto-ignition temperature:

No information available.

Decomposition temperature:

Viscosity, dynamic:

not applicable

Explosive properties:

Product is not explosive; however, an explosive dust/air mixture can be formed.

Oxidizing properties:

No information available.

Bulk density:

440 kg/m³

9.2. Further Information

Solubility in solvents:

Viscosity, kinematic

Burning class:

Solvent content:

Solid content:

Particle size:

Other information:

No further information.

10. Stability and Reactivity

10.1. Reactivity

Stable if used according to specifications.

10.2. Chemical Stability

No decomposition if used according to specifications.

next page: 6

Material Safety Data Sheet

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



23570 Pyranthrone Orange

Page 6

Revised edition: 11.04.2016

Version: 1

Printed: 11.04.2016

10.3. Possibility of Hazardous Reactions

Risk of dust explosion.

10.4. Conditions to Avoid

Conditions to avoid:

Avoid humidity.

Take necessary action to avoid static electricity discharge.

Thermal decomposition:

10.5. Incompatible Materials

No information available.

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: > 6400 mg/kg

LD50, dermal: not determined

LC50, inhalation: not determined

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: No sensitizing effects known.

Mutagenicity: No data available.

Reproductive toxicity: No information available.

Cancerogenicity: No data available.

Teratogenicity: No information available.

Specific target organ toxicity (STOT):

next page: 7

Material Safety Data Sheet

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



23570 Pyranthrone Orange

Page 7

Revised edition: 11.04.2016

Version: 1

Printed: 11.04.2016

Single exposure: no information available.

Repeated exposure: no information available.

Additional toxicological information:

No toxicological data available.

12. Ecological Information

12.1. Aquatic Toxicity

Fish toxicity:

No negative effects.

Daphnia toxicity:

No negative effects.

Bacteria toxicity:

No data available.

Algae toxicity:

No negative effects.

12.2. Persistency and Degradability

Very insoluble product and can thus be removed from water mechanically in suitable effluent treatment plants.

12.3. Bioaccumulation

The product is not hazardous to the aquatic system.

12.4. Mobility

Product is not water soluble.

12.5. Results of PBT- und vPvP Assessment

PBT/vPvB assessment not available as chemical safety assessment is not required / not conducted.

12.6. Other Adverse Effects

Water hazard class:

Not hazardous.

Behaviour in sewage systems:

Further ecological effects:

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

AOX Value:

The product contains 6.7 % organically bound halogen (calculated as Cl).

13. Disposal Considerations

13.1. Waste Treatment Methods

Product:

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

European Waste Code (EWC):

Uncleaned packaging:

Uncontaminated packaging may be recycled.

next page: 8

Material Safety Data Sheet

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



23570 Pyranthrone Orange

Page 8

Revised edition: 11.04.2016

Version: 1

Printed: 11.04.2016

Packaging may be disposed of in the same manner as the product.

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 no.:

IMDG Class (sea):

Hazard no.:

EmS No.:

IATA Class:

Hazard no.:

14.4. Packaging Group

ADR/RID:

not applicable

IMDG:

IATA:

14.5. Environmental Hazards

Not classified as environmentally hazardous.

14.6. Special Precautions for User

not applicable

14.7. Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code

not applicable

14.8. Further Information

*Not classified as a dangerous good under transport regulations.
Protect against humidity.*

15. Regulatory Information

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

Water hazard class:

next page: 9

Material Safety Data Sheet

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



23570 Pyranthrone Orange

Page 9

Revised edition: 11.04.2016

Version: 1

Printed: 11.04.2016

0, not hazardous (self-assessment)

Local regulations on chemical accidents:

Employment restrictions:

Restriction and prohibition of application:

Not applicable.

Technical instructions on air quality:

15. 2. Chemical Safety Assessment

A Chemical Safety Assessment is not necessary 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.