

Safety Data Sheet

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



50940 Paliochrome Copper Bluish

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Revised edition: 16.06.2023

Version: 1

Printed: 27.02.2024

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

1.1. Product Identifier

Product Name: Paliochrome Copper Bluish

Article No.: 50940

UFI: --

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

Identified uses:
Coloring agent for industrial purposes

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

Substance

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3.1.

3.2. **Mixture**

Chemical Characterization: Al-Mn-Doped iron oxide

Information on Components / Hazardous Ingredients:

Additional information:

4. **First Aid Measures**

4.1. **Description of the First Aid Measures**

General information:

Remove contaminated clothes.

After inhalation:

Supply fresh air. Consult physician if symptoms persist.

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:

Symptomatic treatment (decontamination, vital functions), no specific antidote known.

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:

No special hazards.

5.3. **Advice for Firefighters**

Protective equipment:

Wear self-contained respiratory protective device.

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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.

6.2. Environmental Precautions

Environmental precautions:

Prevent contamination of soils, drains and surface water.

6.3. Methods and Material for Containment and Cleaning Up

Methods and material:

Clean up with suitable appliance and dispose adequately.

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.

Avoid contact with eyes, skin and clothing.

Hygienic measures:

Wash hands before breaks and after work.

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

No special measures required.

Requirements for storage areas and containers:

Information on fire and explosion protection:

No special measures necessary.

Storage class:

Further Information:

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

Parameters to be controlled:

Derived No-Effect Level (DNEL):

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Predicted No-Effect Concentration (PNEC):

Additional Information:

8.2. Exposure Controls

Technical protective measures:

No further measures, see Section 7.

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:

Suitable respiratory protection for lower concentration or short-term effect: particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, type P2 or FFP2).

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, corresponding > 480 min. of permeation time according to 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: *small plates*

Color: *copper*

Odor: *odorless*

Odor threshold: *no information available*

pH-Value: *5 - 7 (100 g/l; 20°C)*

Melting temperature: *The substance / product decomposes.*

Boiling temperature: *not applicable*

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<i>Flash point:</i>	<i>not applicable</i>
<i>Evaporation rate:</i>	<i>not applicable</i>
<i>Flammability (solid, gas):</i>	<i>not flammable</i>
<i>Upper explosion limit:</i>	<i>no information available</i>
<i>Lower explosion limit:</i>	<i>no information available</i>
<i>Vapor pressure:</i>	<i>not applicable</i>
<i>Vapor density:</i>	<i>No information available.</i>
<i>Density:</i>	<i>4.9 g/cm³ (20°C)</i>
<i>Solubility in water:</i>	<i>insoluble</i>
<i>Coefficient of variation (n-Octanol/Water):</i>	<i>not applicable</i>
<i>Auto-ignition temperature:</i>	<i>Product is not auto-ignitable (Test type: Spontaneous self-ignition at room temperature)</i>
<i>Decomposition temperature:</i>	<i>No decomposition if used according to specifications.</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>

9.2. Further Information

Solubility in solvents:
Viscosity, kinematic:
Burning class:
Solvent content:
Solid content:
Particle size:
Other information:

Hygroscopy: not hygroscopic

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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 Hazard Classes as defined in Regulation (EC) No. 1272/2008

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)

Irritant effect on eyes:

Non-irritating to eyes (rabbit)

Inhalation:

No information available.

Ingestion:

No information available

Sensitization:

No sensitizing effects known.

Mutagenicity:

No mutagenic effects observed.

Reproductive toxicity:

No relevant data found.

Carcinogenicity:

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No negative effects.

Teratogenicity:

No information available.

Specific target organ toxicity (STOT):

Single exposure: no information available.

Repeated exposure: repeated exposure can cause adverse lung effects.

Aspiration hazard:

No risk of aspiration.

11.2. Information on other Hazards

By analogy with a product of similar composition.

12. Ecological Information

12.1. Aquatic Toxicity

No toxicity expected.

Fish toxicity:

No data available.

Daphnia toxicity:

No information available.

Bacteria toxicity:

No data available.

Algae toxicity:

No information available.

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.

Not readily biodegradable.

12.3. Bioaccumulation

Controlled release of small amounts of product in biological sewage system do not cause disorders of the biodegradability of activated sludge.

12.4. Mobility

No information available.

12.5. Results of PBT- und vPvP Assessment

According to Annex VIII to Regulation (EC) No. 1907/2006 (REACH): this product is neither a PBT (persistent/bioaccumulative/toxic) or vPvB (very persistent/very bioaccumulative/very toxic) substance nor does it contain a PBT or vPvB substance.

12.6. Endocrine Disrupting Properties

No data available.

12.7. Other Adverse Effects

Water hazard class:

Not hazardous.

Behaviour in sewage systems:

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No impairment of the biodegradability of active sludge expected when small amounts are discharged in biological sewage plants. Treatment in biological waste treatment plant has to be performed according to local and administrative regulations.

Further ecological effects:

No special effects or hazards known.

AOX Value:

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:

Non-contaminated 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 / DOT (US) (land transportation).

IMDG/IATA:

Not hazardous goods

14.3. Transport Hazard Classes

ADR Class:

not applicable

Hazard no.:

Classification code:

Tunnel restriction code:

IMDG Class (sea):

not applicable

Hazard no.:

EmS No.:

IATA Class:

not applicable

Hazard no.:

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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. Maritime Transport in Bulk according to IMO Instruments

not applicable

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 (German Regulation)

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 not yet been carried out for this product.

15.3. Further Information

none

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.