

Material Safety Data Sheet

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



23293 CPT - Red

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Revised edition: 18.08.2016

Version: 3

Printed: 04.10.2016

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

1.1. Product Identifier

Product Name: CPT - Red

Article No.: 23293

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

Identified uses:
Coloring component

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 Regulation (EC) No. 1272/2008 (CLP/GHS)

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

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

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

Safety Phrases:

Possible Environmental Effects:

See Section 12.

2.2. Label Elements

Classification according to Regulation (EC) No. 1272/2008 (CLP/GHS)

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

Hazard designation:

Signal word:

Hazard designation:

Safety designation:

Hazardous components for labelling:

Other Hazards

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2.3. *This product is capable of dust explosion under certain circumstances.*

3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

Chemical Characterization:

Information on Components / Hazardous Ingredients:

Pigment Red 144 (N,N' - (2-Chloro-1,4-phenylene) bis[4-[(2,5-dichlorophenyl)azo]-3-hydroxynaphthalene-3-carboxamide]); REACH Reg. No. 01-2119959306-31-0000	> 90 %	CAS-Nr: 5280-78-4 EINECS-Nr: 226-106-9 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:

No further information available.

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)

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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:

Wear self-contained respiratory protective device.

Further information:

Avoid formation of dust: risk of dust explosion.

Dispose of fire debris and contaminated extinguishing water in accordance with 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.

Prevent contamination of soil, drains and surface waters.

6.3. Methods and Material for Containment and Cleaning Up

Methods and material:

Contain with dust binding material and dispose accordingly.

Avoid dust formation.

6.4. Reference to other Sections

Protective clothing, see Section 8.

Dispose of contaminated material according to Section 13.

7. Handling and Storage

7.1. Precautions for Safe Handling

Instructions on safe handling:

Avoid formation of dust.

Respiratory protection when handling without exhaust system.

Hygienic measures:

No further measures, see Section 8.

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:

Store the product in the original container.

Information on fire and explosion protection:

Avoid dust formation.

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*Take measures to prevent electrostatic discharge.
Dust explosion class 1 (Kst-value > 0 - 200 bar m/s).*

Storage class (VCI):

11; Combustible solids

Further Information:

7.3. Specific End Use(s)

Further information:

See Section 1.2.; no other uses provided

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

Parameters to be controlled (DE):

TRGS 900

TLV: 1.25 mg/m³ air-borne fraction (general dust limit)

TLV: 10 mg/m³ inhalable fraction (general dust limit)

Peak limit category II (2)

Category II: substances with a resorptive effect.

Parameters to be controlled:

Derived No-Effect Level (DNEL):

3 mg/m³ (worker, inhalation, long-term exposition - local effects)

Predicted No-Effect Concentration (PNEC):

Sewage treatment system (STP): 100 mg/l

Soil: 1 mg/l

Additional Information:

8.2. Exposure Controls

Technical protective measures:

Provide adequate ventilation in case of dust formation.

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:

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, > 480 min. of permeation time accord. EN 374.

Nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinyl

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chloride (0.7 mm).

Eye protection:

Safety glasses with protective shields (EN 166).

Body protection:

Protective clothing.

Safety shoes.

Environmental precautions:

Do not allow entering sewerage system.

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

Form: powder

Color: red

Odor: odorless

Odor threshold:

No information available.

pH-Value: ca. 7

Melting temperature: > 350°C

Boiling temperature:

not applicable

Flash point:

not applicable

Evaporation rate:

This product is a non-volatile solid.

Flammability (solid, gas):

530°C

not easily flammable

Upper explosion limit:

no information available

Lower explosion limit:

no information available

Vapor pressure:

0.000000 hPa (25°C)

Vapor density:

No information available.

Density:

1.51 g/cm³ (20°C)

Solubility in water:

0.0112 mg/l (25°C)

Coefficient of variation (n-Octanol/Water):

0.29 log KOW (20°C)

not applicable

Auto-ignition temperature:

390°C

Product is not auto-ignitable.

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Decomposition temperature:

No data available.

Viscosity, dynamic:

not applicable

Explosive properties:

Product does not present an explosion hazard.

Oxidizing properties:

not oxidizing

Bulk density:

9.2. Further Information

Solubility in solvents:

Viscosity, kinematic

Burning class:

Solvent content:

Solid content:

Particle size:

Other information:

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

Risk of dust explosion.

10.4. Conditions to Avoid

Conditions to avoid:

Avoid electrostatic discharge.

Avoid ignition sources.

Thermal decomposition:

No data available.

10.5. Incompatible Materials

Strong acids, strong bases and strong oxidizing agents.

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 (OECD 401)

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<i>LD50, dermal:</i>	<i>> 2000 mg/kg (OECD 402)</i>
<i>LC50, inhalation:</i>	<i>No information available.</i>
<i>Primary effects</i>	
<i>Irritant effect on skin:</i>	<i>Non irritating (rabbit)</i>
<i>Irritant effect on eyes:</i>	<i>Non-irritating to eyes (rabbit)</i>
<i>Inhalation:</i>	<i>No information available.</i>
<i>Ingestion:</i>	<i>No information available</i>
<i>Sensitization:</i>	<i>Not sensitizing (OECD 429, Mouse Local Lymph Node Assay (LLNA))</i>
<i>Mutagenicity:</i>	<i>No mutagenic effects observed.</i>
<i>Reproductive toxicity:</i>	<i>Did not show any teratogenic effects in animal studies (OECD 421/422).</i>
<i>Cancerogenity:</i>	<i>No relevant data found.</i>
<i>Teratogenicity:</i>	<i>Did not show any teratogenic effects in animal studies (OECD 421/422).</i>
<i>Specific target organ toxicity (STOT):</i>	<i>Single exposure: no organospecific toxicity expected. Repeated exposure: no toxicological effects.</i>
<i>Additional toxicological information:</i>	<i>Aspiration hazard: not applicable</i>

12. Ecological Information

12.1. Aquatic Toxicity

<i>Fish toxicity:</i>	<i>LC50: > 100 mg/l (96h, Danio rerio; OECD 203)</i>
<i>Daphnia toxicity:</i>	<i>EC50: > 100 mg/l (48h, Daphnia magna; OECD 202) NOEC: > 10 mg/l (21d, Daphnia magna; OECD 211)</i>
<i>Bacteria toxicity:</i>	<i>EC20: > 1000 mg/l (3h, active sludge; OECD 209) Toxicity to soil dwelling organisms: NOEC: > 1000 mg/kg (14d, Eisenia foetida; OECD 207)</i>
<i>Algae toxicity:</i>	

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	<p><i>EC50: > 1 mg/l (72h, Desmodesmus subspicatus; OECD 201)</i> <i>EC10: > 1 mg/l (72h, Desmodesmus subspicatus; OECD 201)</i> <i>EC50: > 10 mg/l (72h, Pseudokirchneriella subcapitata; OECD 201)</i> <i>EC10: > 10 mg/l (72h, Pseudokirchneriella subcapitata; OECD 201)</i></p>
12. 2. Persistency and Degradability	<p><i>Not readily biodegradable.</i> <i>The product is virtually insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plants.</i></p>
12. 3. Bioaccumulation	<p><i>No bioaccumulation expected due to the distribution coefficient n-Octanol/water (logPOW).</i></p>
12. 4. Mobility	<p><i>Does not evaporate from the surface of the water to the atmosphere.</i> <i>Not expected to adsorb on soil.</i></p>
12. 5. Results of PBT- und vPvP Assessment	<p><i>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.</i></p>
12. 6. Other Adverse Effects	
<p><i>Water hazard class:</i></p>	<p><i>1 (German Regulation) (Assessment by list): slightly hazardous.</i></p>
<p><i>Behaviour in sewage systems:</i></p>	<p><i>Treatment and discharge of waste water into biological treatment plant should be carried out according to official national and local regulations.</i></p>
<p><i>Further ecological effects:</i></p>	
<p><i>AOX Value:</i></p>	<p><i>Product contains organically bound halogen.</i></p>

13. Disposal Considerations	
13. 1. Waste Treatment Methods	
<p><i>Product:</i></p>	<p><i>In accordance with current regulations, product may be taken to an incineration plant.</i></p>
<p><i>European Waste Code (EWC):</i></p>	
<p><i>Uncleaned packaging:</i></p>	<p><i>Uncontaminated packaging may be recycled.</i> <i>Packaging may be disposed of in the same manner as the product.</i></p>
<p><i>Waste Code No.:</i></p>	

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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:

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 applicable

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

not evaluated

14.8. Further Information

Not classified as a dangerous good under transport regulations.

15. Regulatory Information

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

Water hazard class:

1, slightly hazardous for water (German Regulation, Assessment by list)

Local regulations on chemical accidents:

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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

Regulation (EC) 2037/2000 - Substances that Deplete the Ozone Layer: not regulated / not applicable

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.