

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

Product Identifier

Product Name: Cadmium Red No. 2, medium
Article No.: 21130
Use of the Substance/Preparation: Artists' and Restoration Material

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

Identified uses: To dye plastics, varnishes and cement.

Details of the Supplier of the Safety Data Sheet

Company: Kremer Pigmente GmbH & Co. KG
Address: Hauptstrasse 41-47, D 88317 Aichstetten
Tel/Fax: Tel +49 7565 91120, Fax +49 7565 1606
Internet: www.kremer-pigmente.de, kremer-pigmente@t-online.de
Emergency No.: +49 7565 91120, Mon-Fri 8:00 - 17:00

2. Hazard Identification

Classification according to EC Regulation No.1272/2008

GHS Classification 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

Hazard designation: The material is not subject to classification according to EC lists.

3. Composition/Information on Ingredients

Chemical Characterization: Inorganic sulfide/selenide.
Pigment Red 108:1, C.I. 77202
Hazardous Ingredients: Cadmium sulfoselenide red 50-100%
CAS-Nr: 58339-34-7 EINECS-Nr: 261-218-1 EC-Nr:

4. First Aid Measures

Description of the First Aid Measures

After inhalation: Supply fresh air and seek medical advice in case of complaints.
After skin contact: For reasons of precaution, wash with soap and water.
After eye contact: Rinse open eyes with plenty of water. In case of discomfort seek medical help.
After ingestion: For reasons of precaution, drink water.
General information: Remove contaminated clothes.

Most Important Symptoms and Effects, both Acute and Delayed

Possible symptoms: No further information available.

Indication of any Immediate Medical Attention and Special Treatment needed

Information for physician: No information available.

5. Fire-Fighting Measures

Extinguishing Media

Suitable extinguishing media: Foam, carbon dioxide, extinguishing powder, water, water mist.

Unsuitable extinguishing media: Water with full jet.

Special Hazards arising from the Substance or Mixture

Special hazards: No information available.

Advice for Firefighters

Protective equipment: Wear suitable protective clothing.

Further information: Collect contaminated extinguishing water and debris separately; avoid contamination of sewage system.
Contaminated extinguishing water and debris should be disposed of according to local regulations.

6. Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions: Avoid formation of dust.

Wear protective clothing.

Ensure adequate ventilation.

Environmental precautions: Prevent contamination of soil, drains and surface waters.

Methods and material for containment and cleaning up: Take up mechanically and collect in suitable containers for disposal.

Reference to other sections: Avoid dust formation.

Dispose of contaminated material according to para 13.

7. Handling and Storage

Precautions for Safe Handling

Instructions on safe handling: Avoid formation of dust. Do not inhale dust.

Information on fire and explosion protection: No information available.

Conditions for Safe Storage, including any Incompatibilities

Storage conditions: No special measures required.

Storage compatibility: No special measures required.

Storage class (VCI): 13; Non combustible solids.

Specific End Use(s)

Further information: The product is slightly hazardous to water. Consider national regulations regarding handling and storage.

8. Exposure Controls/Personal Protection

Technical protective measures: Provide adequate ventilation in case of dust formation.
Technical protective measures have priority to personal protective measures.

Parameters to be controlled (DE): ELV: 0.015 mg/m³ (general dust value) ref. to Cd

Personal Protective Equipment

General protective measures: The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection: None required under normal operating conditions.

Hand protection: Suitable protective gloves recommended, e.g. glove material: nitrile rubber (NBR).

Protective glove material:	Protective gloves (nitrile rubber).
Eye protection:	Safety glasses with protective shields (EN 166).
Body protection:	Safety shoes.
Environmental precautions:	Prevent from getting into the soil, surface water and sewage system.

9. Physical and Chemical Properties

Information on Basic Physical and Chemical Properties

Form:	powder
Color:	red
Odor:	odorless
Odor threshold:	No information available.
Melting temperature:	not available
Boiling temperature:	not applicable
Flash point:	not available
Explosion risk:	not available
Vapor pressure:	not applicable
Density:	ca. 5.0 g/cm ³
Bulk density:	not determined
Solubility in water:	No data available
Viscosity dynamic:	not applicable
Oxidizing properties:	No information available.
Coefficient of variation (n-Octanol/Water):	not determined

10. Stability and Reactivity

Reactivity:	Stable if used according to specifications. No information available.
Chemical stability:	Stable if used according to specifications.
Hazardous reactions:	Unknown.
Conditions to avoid:	No information available.
Incompatible materials:	No information available.
Hazardous decomposition products:	None known.

11. Toxicological Information

Information on Toxicological Effects

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Acute Toxicity

LD50, oral: Cadmium sulfoselenide red > 5110 mg/kg (rat)

Primary effects

Irritant effect on skin:	Powder can cause local irritation in skin folds or beneath tightly worn clothes.
Irritant effect on eyes:	No information available.
Sensitization:	No information available.

Further toxicological effects: Animal testing was not carried out with this product.

12. Ecological Information

Persistency and Degradability: No information available.
Methods for the evaluation of the biological degradability are not applicable for inorganic substances.

Bioaccumulation: No information available.

Mobility: No information available.

Ecological effects

Aquatic toxicity: Cadmium sulfoselenide red

- Fish toxicity: LC50: > 10 000 mg/l (96h)

- Daphnia toxicity: EC50: > 100 mg/l (48h, Daphnia magna)

Further ecological effects: No special effects or hazards known.

Results of PBT and vPvB assessment: No data available.

Further information

Water hazard class: 1

13. Disposal Considerations

Waste Treatment Methods

Product: Dispose of according to official national and local regulations.

European Waste Code (EWC): The waste code must be determined with the regional disposal service.

Uncleaned packaging: Dispose of according to official local regulations.
Uncontaminated packaging may be disposed of in the same manner as the product.

14. Transport Information

Further information:

Further Information: Not classified as a dangerous good under transport regulations.

15. Regulatory Information

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

Local regulations on chemical accidents: EC-Regulation 96/82 does not apply (2003).

Technical instructions on air quality: Classification II: 25.3 %

Water hazard class: 1, slightly hazardous for water

Chemical Safety Assessment

Chemical safety assessment: A Chemical Safety Assessment is not necessary for this product.

16. Other Information

This product should be stored, handled and used in accordance with good hygiene practices and in conformity with any legal regulations.

Material Safety Data Sheet

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

21130 - Cadmium Red No. 2, medium



PIGMENTE
Printed: 31.07.2012

Revised edition: 25.04.2012

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.