

Safety Data Sheet

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



28490 Kremer Color Paste - Permanent Red

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Revised edition: 20.05.2021

Version: 2

Printed: 08.09.2021

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

1.1. Product Identifier

Product Name: Kremer Color Paste - Permanent Red

Article No.: 28490

UFI:

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

Identified uses:
Coloring agent

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)

H317

Cat.: 1

Skin sensitization, hazard category 1

May cause an allergic skin reaction.

Possible Environmental Effects:

2.2. Label Elements

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

This product is classified and labelled according to CLP/GHS regulations.

Hazard designation:



GHS07-1

Signal word:

Warning

Hazard designation:

May cause an allergic skin reaction.

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H317

Safety designation:

P272

Contaminated work clothing should not be allowed out of the workplace.

P280a

Wear protective gloves/ clothing.

Hazardous components for labelling:

2.3. Other Hazards

3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

Chemical Characterization:

Aqueous dispersion of Permanent Red. Pigment Red 170, C.I. 12475

Information on Components / Hazardous Ingredients:

Rosin, Gum Rosin (Skin Sens. 1, H317); REACH
Reg. No. 01-2119480418-32

< 5 %

CAS-Nr: 8050-09-7

EINECS-Nr: 232-475-7

EC-Nr: 650-015-00-7

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 keep patient calm.

After skin contact:

Wash with soap and rinse with plenty of water.

After eye contact:

Rinse eyes with water.

After ingestion:

Do not induce vomiting. Consult physician immediately.

Show product label to person applying first aid.

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

Symptoms:

Can cause allergic reactions.

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:

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Foam, water jet.

Unsuitable extinguishing media:

Carbon dioxide, water jet, dry extinguishing powder.

5.2. Special Hazards arising from the Substance or Mixture

Special hazards:

In case of fire: formation of carbon and nitrogen oxides.

5.3. Advice for Firefighters

Protective equipment:

Wear self-contained respiratory protective device.

Further information:

6. Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

Wear protective clothing.

Avoid contact with skin, eyes and clothing.

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:

Contain with absorbent, inert material (sand, Silica Gel, acid binder, universal absorbent, saw dust) and dispose accordingly.

Moisten the spillage with water before mechanically removing it.

6.4. Reference to other Sections

Dispose of contaminated material according to Section 13.

7. Handling and Storage

7.1. Precautions for Safe Handling

Instructions on safe handling:

No special measures required.

Hygienic measures:

Wash hands before breaks and after work.

Take off contaminated clothing immediately and reuse only after thoroughly cleaning these.

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

Store in tightly sealed containers in a dry and cool room.

Protect from frost.

Requirements for storage areas and containers:

Ventilate containers properly.

Information on fire and explosion

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protection:

No special measures necessary.

Storage class:

Further Information:

7.3. Specific End Use(s)

Further information:

No further information available.

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

Parameters to be controlled (DE):

Does not contain any components with workplace limit values.

Parameters to be controlled:

Derived No-Effect Level (DNEL):

Rosin, Gum Rosin:

17 mg/kg day (worker, skin contact, long-term exposure - systemic effects)

117 mg/m³ (worker, inhalation, long-term exposure - systemic effects)

10 mg/kg bw/day (consumer, swallowing/skin contact, long-term exposure - systemic effects)

35 mg/m³ (worker, inhalation, long-term exposure - systemic effects)

Predicted No-Effect Concentration (PNEC):

Rosin, Gum Rosin:

Fresh water: 0.002 mg/l

Sea water: 0 mg/l

Fresh water sediment: 0.007 mg/kg

Sea water sediment: 0.001 mg/kg

Sewage treatment system (STP): 1000 mg/l

Soil: 0 mg/kg

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.

Remove contaminated clothing immediately.

Wash hands before breaks and after work.

Respiratory protection:

Suitable respiratory protection for lower concentration or short-

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term effect: particle filter with medium efficiency for solid and liquid particles (e.g. EN 143 or 149, type P2 or FFP2).

Hand protection:

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

Protective glove material:

Please note the manufacturers' detailed statements, especially about the minimum thickness and the minimum breakthrough time.

Eye protection:

Safety glasses (EN 166)

Body protection:

Protective clothing.

Environmental precautions:

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

<i>Form:</i>	<i>liquid</i>
<i>Color:</i>	<i>red</i>
<i>Odor:</i>	<i>mild</i>
<i>Odor threshold:</i>	<i>no information available</i>
<i>pH-Value:</i>	<i>not determined</i>
<i>Melting temperature:</i>	<i>not applicable</i>
<i>Boiling temperature:</i>	<i>not applicable</i>
<i>Flash point:</i>	<i>not applicable</i>
<i>Evaporation rate:</i>	<i>not applicable</i>
<i>Flammability (solid, gas):</i>	<i>not applicable</i>
<i>Upper explosion limit:</i>	<i>not determined</i>
<i>Lower explosion limit:</i>	<i>not determined</i>
<i>Vapor pressure:</i>	<i>not applicable</i>
<i>Vapor density:</i>	<i>No information available.</i>

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Density:	1.35 g/cm ³ (Pigment)
Solubility in water:	miscible
Coefficient of variation (n-Octanol/Water):	not determined
Auto-ignition temperature:	not applicable
Decomposition temperature:	260°C (Pigment)
Viscosity, dynamic:	not determined
Explosive properties:	Product does not present an explosion hazard.
Oxidizing properties:	no information available
Bulk density:	

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	Stable if used according to specifications.
10.3. Possibility of Hazardous Reactions	Unknown.
10.4. Conditions to Avoid	
Conditions to avoid:	No information available.
Thermal decomposition:	
10.5. Incompatible Materials	None known.
10.6. Hazardous Decomposition Products	None if stored and handled according to specifications.

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10.7. Further Information

11. Toxicological Information

11.1. Information on Toxicological Effects

Acute Toxicity

LD50, oral:

Rosin: LD50: > 2000 mg/kg (rat,f; OECD 423)

LD50, dermal:

Rosin: LD50: > 2000 mg/kg (rat, m/f; OECD 402)

LC50, inhalation:

No information available.

Primary effects

Irritant effect on skin:

Rosin: no irritant effect (4h, rabbit; OECD 404)

Irritant effect on eyes:

Rosin: no irritant effect (rabbit; OECD 405)

Inhalation:

No information available.

Ingestion:

No information available

Sensitization:

No relevant data found.

Rosin:

May cause sensitization by skin contact (Mouse Local Lymph Node Assay (LLNA); OECD 429).

Mutagenicity:

No relevant data found.

Rosin:

In vitro genetic-toxicity: Ames-Test negative; Conc.: 62-5000 µg/plate (Salmonella typhimurium; OECD 471)

In vitro genetic-toxicity: negative; Conc.: 2.5-55 µg/ml (mouse lymphoma cells; OECD 476)

In vitro genetic-toxicity: Chromosomal Aberration Test (cultivated human peripheral lymphocytes; OECD 473), conc: 1.9-3500 µg/l: negative

Reproductive toxicity:

No relevant data found.

Rosin:

Effect on fertility:

First Generation Study (oral, rat m/f): NOAEL Parents: 248-309 mg/kg bw / NOAEL F1: 248-309 mg/kg bw / NOAEL Early stage of embryonic development: 288 mg/kg bw (Exposure period: 30-45d, Application: oral (food); Dosage: 1000 - 3000 - 10000 ppm; OECD 421)

Effects on the development of the unborn child:

Prenatal Study (oral, rat m/f): NOAEL Mothers: 199.3 mg/kg bw / next page: 8

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NOAEL Embryo-foetal toxicity: 387.2 mg/kg bw (Exposure period: 16d, Application: oral (food); Dosage: 0, 2500, 5000, 7500 ppm; OECD 414)

No reproductive toxicity expected.

Carcinogenicity:

No relevant data found.

Rosin: not classified as carcinogenic product for humans.

Teratogenicity:

No information available.

Specific target organ toxicity (STOT):

Single exposure: the substance or mixture is not classified as specific target organ toxicant.

Repeated exposure: the substance or mixture is not classified as specific target organ toxicant.

Rosin: NOAEL (oral, food): > 1172 mg/kg (23d, dosage: up to 1172 mg/kg/d body weight; rat, m/f; OECD 407)

Rosin: NOAEL (oral, food): 335.2-401.2 mg/kg bw/d (90d, daily, dosage: 0, 2500, 5000, 7500 ppm; rat, m/f; OECD 408)

Additional toxicological information:

Aspiration hazard: not applicable

Endocrine Disrupting Properties:

This substance/mixture does not contain any components with endocrine disrupting properties in a percentage of 0.1 or greater, according to Article 57(f) of the REACH Regulation (EC) No. 1907/2006 or the Delegated Regulation (EC) 2017/2100 or the Delegated Regulation (EC) 2018/605.

12. Ecological Information

12.1. Aquatic Toxicity

Fish toxicity:

Rosin: LC50: 1.7 mg/l (96h, Pimephales promelas; OECD 203); LL50: 10 mg/l (96h, Danio rerio; OECD 203)

Daphnia toxicity:

Rosin: EL50: > 100 mg/l (48h, Daphnia magna; OECD 202)

Bacteria toxicity:

Rosin: EC50: > 10000 mg/l (3h, active sludge; OECD 209)

Algae toxicity:

Rosin: ErC50: 39.6 mg/l (72h, Pseudokirchneriella subcapitata; OECD 201); NOEC: 6.25 mg/l (72h, Pseudokirchneriella subcapitata; OECD 201)

12.2. Persistency and Degradability

Rosin: 71 %, readily biodegradable (28d; 2 mg/l, active sludge; OECD 301D)

12.3. Bioaccumulation

Rosin: Bioconcentration factor (BCF): 110 - 180 (28d)

12.4. Mobility

Rosin: log Koc: 0.876 - 5.37 (medium: water - soil)

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12. 5. Results of PBT- und vPvP Assessment

On the basis of available data, the product does not contain any PBT or vPvB substances in percentage greater than 0.1 %.

12. 6. Other Adverse Effects

Water hazard class:

1 (German Regulation) (Assessment by list): slightly hazardous.

Behaviour in sewage systems:

Further ecological effects:

Do not let product enter waterways or sewage system.

Endocrine Disrupting Properties:

This substance/mixture does not contain any components with endocrine disrupting properties in a percentage of 0.1 or greater, according to Article 57(f) of the REACH Regulation (EC) No. 1907/2006 or the Delegated Regulation (EC) 2017/2100 or the Delegated Regulation (EC) 2018/605.

AOX Value:

13. Disposal Considerations

13. 1. Waste Treatment Methods

Product:

Dispose of according to official national and local regulations.

European Waste Code (EWC):

Uncleaned packaging:

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

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Hazard no.:

EmS No.:

IATA Class:

not applicable

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 classified as a dangerous good under transport regulations.

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

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:

1, slightly hazardous for water (according to the German Regulation AwSV)

Local regulations on chemical accidents:

Employment restrictions:

Restriction and prohibition of application:

EC. REACH, Section XVII, Restrictions on the Manufacture, Placing on the Market and Use of Certain Dangerous Substances, Preparations and Articles: not applicable

Technical instructions on air quality:

15. 2. Chemical Safety Assessment

No Chemical Safety Assessment (CSA) is yet available for the substance, or for the component substances, contained in this product.

REACH - Candidate List of Substances of Very High Concern for Authorization (Article 59): not applicable

15. 3. Further Information

EC. REACH, Annex XIV, Candidate List of Substances of very High Concern (SVHC): not regulated / not applicable

Regulation (EC) 1005/2009 - Substances that Deplete the Ozone Layer: not regulated / not applicable

Regulation (EU) 2019/1021 - Persistent organic pollutants: not regulated / not applicable

Regulation (EC) 111/2005 laying down rules for the monitoring of

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trade between the Community and third countries in drug precursors: not forbidden and/or not restricted
Regulation (EC) 649/2012 concerning the export and import of dangerous chemicals: 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.