

Safety Data Sheet

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



23405 Quinacridone Crimson, PR 202

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Revised edition: 01.01.2023

Version: 2.0

Printed: 18.09.2024

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

1.1. Product Identifier

Product Name: Quinacridone Crimson, PR 202

Article No.: 23405

UFI: --

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.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:
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:

2.3. Other Hazards

This product is capable of dust explosion under certain

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circumstances.

3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

Chemical Characterization: Pigment Red 202, C.I. 73907

Information on Components / Hazardous Ingredients:

2,9-Dichloro-5,12-dihydrochino [2,3-b]acridine-7,14-dione (Pigment Red 202)	100 %	CAS-Nr: 3089-17-6 EINECS-Nr: 221-424-4 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)

5.2. Special Hazards arising from the Substance or Mixture

Special hazards:

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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:

Avoid dust formation.

Contain with dust binding material and dispose accordingly.

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:

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.

Take measures to prevent electrostatic discharge.

Storage class:

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11; Combustible solids (TRGS 510)

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):

The general dust limit should be observed.

Parameters to be controlled:

Derived No-Effect Level (DNEL):

*42 mg/kg bw/d (worker, skin contact, long-term exposure - systemic effects)
147 mg/m³ (worker, inhalation, long-term exposure - systemic effects)
3 mg/m³ (consumer, inhalation, long-term exposure - local effects)
25 mg/kg (consumer, skin contact/swallowing, long-term exposure - systemic effects)*

Predicted No-Effect Concentration (PNEC):

According to the present state of knowledge negative ecological effects are not expected.

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.
The usual precautionary measures are to be adhered to when handling chemicals.
Protective clothing recommended due to the coloring effects of the product.*

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 next page: 5

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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:

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: 3 - 5

Melting temperature: > 300°C

Boiling temperature:
not applicable

Flash point:
not applicable

Evaporation rate:
This product is a non-volatile solid.

Flammability (solid, gas):
not highly flammable

Upper explosion limit:
no information available

Lower explosion limit:
no information available

Vapor pressure:
not applicable

Vapor density:
No information available.

Density: 1.68 g/cm³

Solubility in water: insoluble

Coefficient of variation (n-Octanol/Water): -0.532 logKOW (23°C)

Auto-ignition temperature:
Product is not auto-ignitable (Test type: Spontaneous self-ignition
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at room temperature)

Decomposition temperature:

No data available.

Viscosity, dynamic:

not applicable

Explosive properties:

Product does not present an explosion hazard.

Oxidizing properties:

not oxidizing

Bulk density:

ca. 1.65 g/cm³

9.2. Further Information

Solubility in solvents:

Viscosity, kinematic:

Burning class:

Solvent content:

Solid content:

Particle size:

Other information:

Self-heating ability: This product is not a self-heating substance according to the UN class 4.2 (UN Test N.4)

10. Stability and Reactivity

10.1. Reactivity

*Stable if used according to specifications.
Not corrosive for metals.*

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 formation of dust.
Avoid heat, open fire and other ignition sources.
Avoid electrostatic discharge.*

Thermal decomposition:

No data available.

10.5. Incompatible Materials

Strong acids, strong bases and strong oxidizing agents.

10.6. Hazardous Decomposition Products

*Carbon oxides, nitrogen oxides, toxic fumes/vapors.
Hydrogen chloride*

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10.7. Further Information

Corrosion of metals: not corrosive.

11. Toxicological Information

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

Product shows practically no toxicity after a single oral or dermal exposure.

Acute Toxicity

LD50, oral: > 5000 mg/kg (rat)

LD50, dermal: > 2000 mg/kg (OECD 402)

LC50, inhalation:

Primary effects

Irritant effect on skin:

Non irritating (rabbit)

Irritant effect on eyes:

Non-irritating to eyes (rabbit; OECD 405)

Inhalation:

No information available.

Ingestion:

No information available

Sensitization:

Non sensitizing (mouse; OECD 429).

Mutagenicity:

Not mutagenic.

Reproductive toxicity:

No negative effects known.

Carcinogenicity:

No relevant data found.

Teratogenicity:

No information available.

Specific target organ toxicity (STOT):

Single exposure: no organospecific toxicity expected.

Repeated exposure: repeated oral intake of the substance did not cause damage to the reproductive organs.

Aspiration hazard:

The classification was carried out according to the calculation method of the General EU Classification Guidelines for Preparations (1999/45/EG).

11.2. Information on other Hazards

12. Ecological Information

12.1. Aquatic Toxicity

Highly unlikely to be acutely harmful to aquatic organisms. No toxic

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effect in the range of water solubility.

Fish toxicity:

LC50: > 100 mg/l (96h, Danio rerio; OECD 203)

NOEC: > 10 mg/l (28d, Danio rerio; OECD 215)

Daphnia toxicity:

EC50: > 100 mg/l (48h, Daphnia magna; OECD 202)

NOEC: > 1 mg/l (21d, Daphnia magna; OECD 211)

Bacteria toxicity:

NOEC: > 100 mg/l (3h, active sludge; OECD 209)

Algae toxicity:

EC50: > 10 mg/l (72h, Desmodesmus subspicatus; OECD 201)

12. 2. Persistency and Degradability

3.2 % (28d; OECD 301B)

Not readily biodegradable.

The product is virtually insoluble in water and can thus be separated from water mechanically in suitable effluent treatment plants.

No hydrolysis expected due to its structure.

12. 3. Bioaccumulation

No bioaccumulation expected due to the distribution coefficient n -Octanol/water (logPOW).

12. 4. Mobility

Adsorption to solid soil phase is not expected.

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

12. 7. Other Adverse Effects

Water hazard class:

1, slightly hazardous

Behaviour in sewage systems:

No impairment of the biodegradability of active sludge expected when small amounts are discharged in biological sewage plants.

Further ecological effects:

Do not discharge product uncontrolled into the environment. Result based on a product with similar composition.

AOX Value:

Adsorbable organically-bound halogen: approx. 18 %

13. Disposal Considerations

13. 1. Waste Treatment Methods

Product:

In accordance with current regulations, product may be taken to a

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waste disposal site or incineration plant, after consultation with site operator and/or with the responsible authority.

European Waste Code (EWC):

Uncleaned packaging:

*Contaminated packaging must be disposed like the substance.
Non-contaminated packaging may be recycled.*

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.:

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. Maritime Transport in Bulk according to IMO Instruments

not evaluated

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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 (according to the German Regulation AwSV)

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 been carried out 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.