

Safety Data Sheet

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



23500 Maroon, PR 179

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Revised edition: 08.10.2019

Version: 3.1

Printed: 06.07.2022

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

1.1. Product Identifier

Product Name: Maroon, PR 179

Article No.: 23500

UFI: --

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

Identified uses:
Coloring agent for dye and varnish industry

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)

H412 Harmful to aquatic life with long lasting effects.
Cat.: 3

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:

Not applicable.

Signal word:

Hazard designation:

H412 Harmful to aquatic life with long lasting effects.

Safety designation:

P273 Avoid release to the environment.

Dispose of contents/ container according to regional, national and next page: 2

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international regulations.

Hazardous components for labelling:

2.3. Other Hazards

This product is capable of dust explosion under certain circumstances.

3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

Chemical Characterization: Perylene Pigment. Pigment Red 179, C.I. 71130

Information on Components / Hazardous Ingredients:

Dodecanol (H319-411-410); REACH Reg. No. 01-2119485976-15	1 - 3 %	CAS-Nr: 112-53-8 EINECS-Nr: 203-982-0 EC-Nr:
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Tetradecanol (H319-410); ; REACH Reg. No 01-2119485910-33	0.3 - 2.5 %	CAS-Nr: 112-72-1 EINECS-Nr: 204-000-3 EC-Nr:
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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 seek medical advice in case of complaints.

After skin contact:

Wash with soap and rinse with plenty of water.

After eye contact:

*Rinse open eyes with plenty of water for at least 15 minutes.
Consult physician.*

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:

Treat symptomatically.

5. Fire-Fighting Measures

5.1. Extinguishing Media

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Suitable extinguishing media:

Extinguishing powder, foam.

Unsuitable extinguishing media:

Carbon dioxide (CO₂)

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:

Contaminated extinguishing water and debris should be disposed of according to local regulations.

Avoid formation of dust: risk of dust explosion.

6. Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

Avoid inhalation of dust.

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:

Take up mechanically and collect in suitable containers for disposal. Avoid dust formation.

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. Do not inhale dust.

Provide adequate ventilation.

Hygienic measures:

Keep away from foodstuffs and drinks.

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:

No special measures necessary.

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Information on fire and explosion protection:

Take measures to prevent electrostatic discharge.

Storage class:

11; Combustible solids (TRGS 510)

Further Information:

Store in a dry place.

7.3. Specific End Use(s)

Further information:

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

Parameters to be controlled (DE):

TRGS 900

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

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

Peak limit category II (2)

Dodecanol (CAS 112-58-8), TLV: 155 mg/m³; 20 ppm (1)

Tetradecanol (CAS 112-72-1), TLV: 178 mg/m³; 20 ppm (1)

Parameters to be controlled:

Switzerland (CH): TLV: 3 mg/m³ air-borne fraction (general dust limit); 10 mg/m³ inhalable fraction (general dust limit)

Derived No-Effect Level (DNEL):

No values available.

Predicted No-Effect Concentration (PNEC):

No values available.

Additional Information:

8.2. Exposure Controls

Technical protective measures:

Provide adequate ventilation/exhaust system.

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)).

Protective glove material:

For long-term exposure:

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:

Protective clothing, antistatic.

Environmental precautions:

No special measures required.

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

Form: powder

Color: brown

Odor: odorless

Odor threshold:
not determined

pH-Value: 4 - 7 (DIN EN ISO 787-9)

Melting temperature: > 200°C (DDK (DIN 51007))

Boiling temperature:
not applicable

Flash point:
not applicable

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

Flammability (solid, gas): > 500°C
not highly flammable

Upper explosion limit:
no information available

Lower explosion limit:
no information available

Vapor pressure:
not applicable

Vapor density:
This product is a non-volatile solid.

Density: 1.5 g/cm³ (20°C)

Solubility in water: insoluble

Coefficient of variation (n-Octanol/Water):
no information available

Auto-ignition temperature:

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

Decomposition temperature: < 300 J/g (DDK (DIN 51007))

Viscosity, dynamic:
not applicable

Explosive properties:
Product does not present an explosion hazard.

Oxidizing properties:
no information available

Bulk density: 500 kg/m³

9.2. Further Information

Solubility in solvents:

Viscosity, kinematic:

Burning class:

Solvent content:

Solid content: > 98.5 % (DIN EN ISO 787-2)

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)

Minimum ignition energy: Particle size distribution: < 63 µm; the product is capable of dust explosion.

10. Stability and Reactivity

10.1. Reactivity

Stable if used according to specifications.

10.2. Chemical Stability

No decomposition if used according to specifications.

10.3. Possibility of Hazardous Reactions

Risk of dust explosion.

10.4. Conditions to Avoid

Conditions to avoid:

Avoid humidity.

Take necessary action to avoid static electricity discharge.

Thermal decomposition:

10.5. Incompatible Materials

No information available.

10.6. Hazardous Decomposition Products

None if stored and handled according to specifications.

10.7. Further Information

11. Toxicological Information

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11.1. Information on Toxicological Effects

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

Acute Toxicity

LD50, oral: > 5000 mg/kg (rat; BASF-Test)

LD50, dermal: > 2500 mg/kg (rat; BASF-Test)

LC50, inhalation: > 0.4 mg/l (4h, rat; BASF-Test)

Primary effects

Irritant effect on skin:

Non irritating (rabbit; OECD 404)

Irritant effect on eyes:

Non-irritating to eyes (rabbit; OECD 405)

Inhalation:

No information available.

Ingestion:

No information available

Sensitization:

No sensitizing effects known.

Mutagenicity:

No relevant data found.

Reproductive toxicity:

No information available.

Carcinogenicity:

No relevant data found.

Teratogenicity:

No information available.

Specific target organ toxicity (STOT):

Single exposure: no organospecific toxicity expected.

Repeated exposure: no information available.

Additional toxicological information:

Aspiration hazard: not applicable

12. Ecological Information

12.1. Aquatic Toxicity

Toxic for aquatic organisms. May cause long-term adverse effects in the aquatic environment.

Fish toxicity:

*LC50: > 100 mg/l (96h, *Leuciscus idus*)*

Daphnia toxicity:

*EC50: 10 - 100 mg/l (48h, *Daphnia magna*)*

Bacteria toxicity:

EC50: > 100 mg/l (0.5h, active sludge; OECD 209)

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Algae toxicity:

EC50: 1 - 10 mg/l (72h, Pseudokirchneriella subcapitata; OECD 201)

12.2. Persistency and Degradability

Not readily biodegradable.

Very insoluble product and can thus be removed from water mechanically in suitable effluent treatment plants.

Elimination information: 50 - 100 % color reduction (Static test). Easily eliminated from water.

12.3. Bioaccumulation

Due to the product's consistency and low water solubility, bioavailability is improbable.

12.4. Mobility

Does not evaporate from the surface of the water to the atmosphere.

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. Other Adverse Effects

Water hazard class:

1, slightly hazardous

Behaviour in sewage systems:

Treatment in biological waste treatment plant has to be performed according to local and administrative regulations.

Further ecological effects:

The product is not soluble in water. No negative effects expected.

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

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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

Not classified as environmentally hazardous.

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 applicable

14.8. Further Information

*Not classified as a dangerous good under transport regulations.
Protect against humidity.*

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:

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Restriction and prohibition of application:

Not applicable.

Technical instructions on air quality:

15.2. Chemical Safety Assessment

A Chemical Safety Assessment is not necessary 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.