

# Safety Data Sheet

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



**23504 Maroon, very fine, PR 179**

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Revised edition: 23.08.2016

Version: 3

Printed: 18.12.2018

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

### 1.1. Product Identifier

*Product Name:* Maroon, very fine, PR 179

*Article No.:* 23504

### 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.de

*EMail:* 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)*

H412

Cat.: 3

Chronic aquatic toxicity, hazard category 3

Harmful to aquatic life with long lasting effects.

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

*Safety Phrases:*

*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:*

Avoid release to the environment.

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Dispose of contents/ container according to regional, national and 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, C.I. Pigment Red 179

*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:

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:

*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.*

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## 5. Fire-Fighting Measures

### 5.1. Extinguishing Media

*Suitable extinguishing media:*

*Extinguishing powder, foam.*

*Unsuitable extinguishing media:*

*Carbon dioxide (CO<sub>2</sub>)*

### 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.*

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## 6. Accidental Release Measures

### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

*Personal precautions:*

*Do not inhale 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.*

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## 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.*

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*Requirements for storage areas and containers:*

*No special measures necessary.*

*Information on fire and explosion protection:*

*Take measures to prevent electrostatic discharge.*

*Storage class (VCI):*

*11; Combustible solids*

*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/m<sup>3</sup> inhalable fraction (general dust limit)*

*TLV: 1.25 mg/m<sup>3</sup> air-borne fraction (general dust limit)*

*Peak limit category II (2)*

*Dodecanol (112-58-8): TLV: 155 mg/m<sup>3</sup>; 20 ppm (1)*

*Tetradecanol (112-72-1): TLV: 178 mg/m<sup>3</sup>; 20 ppm (1)*

*Parameters to be controlled:*

*Switzerland (CH): TLV: 3 mg/m<sup>3</sup> air-borne fraction (general dust limit); 10 mg/m<sup>3</sup> 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)).*

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*Protective glove material:*

*For long-term exposure:*

*Recommended: Protective index 6, > 480 min. of permeation time accord. 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.*

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## 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 (DKK (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 easily 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/cm<sup>3</sup> (20°C)

*Solubility in water:* insoluble

*Coefficient of variation (n-*

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*Octanol/Water):*

*no information available*

*Auto-ignition temperature:*

*Product is not auto-ignitable.*

*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/m<sup>3</sup>*

## 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.*

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## 10.7. Further Information

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## 11. Toxicological Information

### 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*

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## 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)*

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*Bacteria toxicity:*

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

*Algae toxicity:*

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

**12. 2. Persistence 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 and discharge of waste water into biological treatment plant should be carried out according to official national and local regulations.*

*Further ecological effects:*

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

*AOX Value:*

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**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:*

*Uncontaminated packaging may be recycled.*

*Packaging may be disposed of in the same manner as the product.*

*Waste Code No.:*

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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 restriction code:

IMDG Class (sea):

Hazard no.:

EmS No.:

IATA Class:

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.*

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## 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:*

*Not applicable.*

*Technical instructions on air quality:*

## 15. 2. Chemical Safety Assessment

*A Chemical Safety Assessment has not yet been carried out for this product.*

## 15. 3. Further Information

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## 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.*