

# Safety Data Sheet

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



## 23230 Permanent Red A

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Revised edition: 01.02.2018

Version: 2

Printed: 18.12.2023

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

#### 1.1. Product Identifier

*Product Name:* Permanent Red A

*Article No.:* 23230

*UFI:* --

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

*Identified uses:*  
Coloring agent, pigment

*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:

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### 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:*

#### 2.2. Label Elements

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

*No classification required according to the CLP/GHS guidelines.*

*Hazard designation:*

*Not applicable.*

*Signal word:*

*Hazard designation:*

*Safety designation:*

*Hazardous components for labelling:*

#### 2.3. Other Hazards

*Organic substances in powder form may have the potential to cause dust explosions.*

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**Composition/Information on Ingredients**

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### 3.

#### 3.1. Substance

#### 3.2. Mixture

*Chemical Characterization:* Pigment Red 177, C.I. 65300

*Information on Components / Hazardous Ingredients:*

Pigment Red 177, C.I. 65300; REACH Reg. No. 01-2119962913-29 100 %

CAS-Nr: 4051-63-2

EINECS-Nr: 223-754-4

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 keep patient calm.*

*After skin contact:*

*Wash with soap and rinse with plenty of water.*

*After eye contact:*

*Remove contact lens. Rinse open eyes with plenty of water (10-15 min). Should irritation continue, seek medical advice.*

*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:*

*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

*Suitable extinguishing media:*

*Foam, carbon dioxide (CO<sub>2</sub>), extinguishing powder, water.*

*Unsuitable extinguishing media:*

*Water with full jet.*

#### 5.2. Special Hazards arising from the Substance or Mixture

*Special hazards:*

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

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*Dust can form explosive mixtures with air.*

### 5.3. Advice for Firefighters

*Protective equipment:*

*Wear suitable protective clothing.*

*Wear self-contained respiratory protective device.*

*Further information:*

*Collect contaminated extinguishing water and debris separately; avoid contamination of sewage system.*

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## 6. Accidental Release Measures

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

*Personal precautions:*

*Avoid formation of dust.*

*Avoid contact with skin, eyes and clothing. Do not ingest or inhale.*

### 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.*

*Take precautionary measures against static discharges; risk of dust explosion.*

### 6.4. Reference to other Sections

*Dispose of contaminated material according to Section 13.*

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## 7. Handling and Storage

### 7.1. Precautions for Safe Handling

*Instructions on safe handling:*

*Avoid formation of dust.*

*Hygienic 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.*

*Wash contaminated clothing before reusing.*

### 7.2. Conditions for Safe Storage, including any Incompatibilities

*Storage conditions:*

*Store in a cool and dry place.*

*Protect against heat and direct sunlight.*

*Requirements for storage areas and containers:*

*Keep container tightly closed.*

*Information on fire and explosion protection:*

*Keep away from sources of ignition - do not smoke. Take measures to prevent electrostatic discharge.*

*Dust may form an explosive mixture with air.*

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*Storage class:*

11; Combustible solids (TRGS 510)

*Further Information:*

Do not store together with oxidizing agents.

### 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: 1.25 mg/m<sup>3</sup> general dust limit inhalable fraction.

*Parameters to be controlled:*

VME (FR): 5 mg/m<sup>3</sup> inhalable fraction

AGW (BE): 3 mg/m<sup>3</sup> inhalable fraction

WEL TWA (GB): 4 mg/m<sup>3</sup> inhalable fraction

MAK (CH): 3 mg/m<sup>3</sup>

ACGIH TWA (USA): 5 mg/m<sup>3</sup> inhalable fraction

*Derived No-Effect Level (DNEL):*

*Predicted No-Effect Concentration (PNEC):*

*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:*

In case of formation of dust.

*Hand protection:*

Chemical protective gloves (EN 374 (Europe), F739 (US)).

*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:*

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*Prevent from getting into the soil, surface water and sewage system.*

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### 9. Physical and Chemical Properties

#### 9.1. Information on Basic Physical and Chemical Properties

<i>Form:</i>	<i>powder</i>
<i>Color:</i>	<i>red</i>
<i>Odor:</i>	<i>characteristic</i>
<i>Odor threshold:</i>	<i>no information available</i>
<i>pH-Value:</i>	<i>7.5 - 9.5 (50 g/l)</i>
<i>Melting temperature:</i>	<i>&gt; 200°C</i> <i>Decomposes without melting (DSC (DIN 51007))</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>no information available</i>
<i>Lower explosion limit:</i>	
<i>Vapor pressure:</i>	<i>not applicable</i>
<i>Vapor density:</i>	<i>This product is a non-volatile solid.</i>
<i>Density:</i>	<i>1.5 g/cm<sup>3</sup></i>
<i>Solubility in water:</i>	<i>insoluble</i>
<i>Coefficient of variation (n-Octanol/Water):</i>	<i>not determined</i>
<i>Auto-ignition temperature:</i>	<i>not applicable</i>
<i>Decomposition temperature:</i>	<i>not determined</i>
<i>Viscosity, dynamic:</i>	<i>not determined</i>
<i>Explosive properties:</i>	<i>Risk of dust explosion.</i>

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### *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:*

*Minimum ignition energy: 1 - 3 mJ*

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## 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:*

*Avoid dusting near sources of ignition.*

#### *Thermal decomposition:*

### 10.5. Incompatible Materials

*None known.*

### 10.6. Hazardous Decomposition Products

*None if stored and handled according to specifications.*

### 10.7. Further Information

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## 11. Toxicological Information

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

#### *Acute Toxicity*

*LD50, oral: > 5000 mg/kg (rat; OECD 401)*

*LD50, dermal: > 5000 mg/kg (rat; OECD 402)*

#### *LC50, inhalation:*

*No information available.*

#### *Primary effects*

#### *Irritant effect on skin:*

*Non irritating (rabbit; OECD 404)*

#### *Irritant effect on eyes:*

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*Non-irritating to eyes (rabbit; OECD 405)*

*Inhalation:*

*No information available.*

*Ingestion:*

*No information available*

*Sensitization:*

*No sensitizing effects known.*

*Mutagenicity:*

*No mutagenic effects known.*

*Reproductive toxicity:*

*No relevant data found.*

*Carcinogenicity:*

*No relevant data found.*

*Teratogenicity:*

*No information available.*

*Specific target organ toxicity (STOT):*

*No relevant data found.*

*Aspiration hazard:*

*No risk of aspiration.*

### 11. 2. Information on other Hazards

*No further information available.*

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## 12. Ecological Information

### 12. 1. Aquatic Toxicity

*Fish toxicity:*

*No data available.*

*Daphnia toxicity:*

*No information available.*

*Bacteria toxicity:*

*No data available.*

*Algae toxicity:*

*No information available.*

### 12. 2. Persistency and Degradability

*Pigment is not soluble in water and biologically not degradable.*

### 12. 3. Bioaccumulation

*No bioaccumulation.*

### 12. 4. Mobility

*No information available.*

### 12. 5. Results of PBT- und vPvP Assessment

*This substance is not classified as PBT (persistent, bioaccumulative, toxic), nor as vPvB (very persistent, very bioaccumulative).*

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### 12.6. Endocrine Disrupting Properties

*Not listed.*

### 12.7. Other Adverse Effects

*Water hazard class:*

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

*Behaviour in sewage systems:*

*Further ecological effects:*

*Biochemical oxygen demand (BOD5): 9 mg/g*

*Chemical oxygen demand (COD): 2132 mg/g*

*AOX Value:*

*Product does not contain any organically bound halogens which influence the AOX value of discard water.*

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### 13. Disposal Considerations

#### 13.1. Waste Treatment Methods

*Product:*

*Dispose of according to official national and local regulations.*

*European Waste Code (EWC):*

*070399 - Wastes not otherwise specified*

*Uncleaned packaging:*

*Contaminated packaging must be disposed like the substance.*

*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 / 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.:*

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*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. Maritime Transport in Bulk according to IMO Instruments

*not applicable*

### 14. 8. Further Information

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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 (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

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

### 15. 3. Further Information

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

*Listed in the following inventories:*

*EINECS (EC), TSCA (US), DSL (CA)*

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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.*