

# Safety Data Sheet

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



## 23010 Phthalo Green, yellowish, PG 36

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Revised edition: 08.10.2018

Version: 1.1

Printed: 04.09.2020

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

#### 1.1. Product Identifier

*Product Name:* Phthalo Green, yellowish, PG 36

*Article No.:* 23010

#### 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:

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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)*

*This product does not require classification and labelling as hazardous according to CLP/GHS.*

*Hazard designation:*

*Not applicable.*

*Signal word:*

*Hazard designation:*

*Safety designation:*

*Hazardous components for labelling:*

#### 2.3. Other Hazards

*This product is capable of dust explosion under certain circumstances.*

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### Composition/Information on Ingredients

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### 3.

#### 3.1. Substance

#### 3.2. Mixture

*Chemical Characterization:* Copper Phthalocyanine pigment, halogenated. Pigment Green 36, C.I. 74265

*Information on Components / Hazardous Ingredients:*

*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:*

*Wash off immediately with soap and plenty of water and rinse thoroughly.*

*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:*

*None known.*

*Effects:*

*No further information available.*

#### 4.3. Indication of any Immediate Medical Attention and special Treatment needed

*Treatment:*

*Symptomatic treatment (decontamination, vital functions), no specific antidote known.*

### 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.*

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### 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:*

*Avoid formation of dust, wear protective 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 dust binding material and dispose accordingly.  
Avoid dust formation.*

### 6.4. Reference to other Sections

*Protective clothing, see Section 8.*

*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:*

*Respiratory protection when handling without exhaust system.*

*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:*

*Information on fire and explosion protection:*

*Avoid dust formation.*

*Take measures to prevent electrostatic discharge.*

*Storage class:*

*11; Combustible solids (TRGS 510)*

*Further Information:*

### 7.3. Specific End Use(s)

*Further information:*

*No information available.*

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### 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> air-borne fraction (general dust limit)

TLV: 10 mg/m<sup>3</sup> inhalable fraction (general dust limit)

Peak limit Category: 2 (II)

*Parameters to be controlled:*

*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:*

*Keep away from foodstuffs and drinks. Do not eat, drink or smoke during work. Wash hands before breaks and at the end of work. 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, > 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.*

*Environmental precautions:*

*Avoid contamination of sewage system, open water ways and ground water.*

### 9. Physical and Chemical Properties

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

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<i>Form:</i>	<i>powder</i>
<i>Color:</i>	<i>green</i>
<i>Odor:</i>	<i>odorless</i>
<i>Odor threshold:</i>	<i>not determined</i>
<i>pH-Value:</i>	<i>6 - 9</i>
<i>Melting temperature:</i>	<i>&gt; 410°C</i>
<i>Boiling temperature:</i>	<i>not applicable</i>
<i>Flash point:</i>	<i>not applicable</i>
<i>Evaporation rate:</i>	<i>This product is a non-volatile solid.</i>
<i>Flammability (solid, gas):</i>	<i>376°C not easily flammable</i>
<i>Upper explosion limit:</i>	<i>no information available</i>
<i>Lower explosion limit:</i>	<i>no information available</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>3.013 g/cm<sup>3</sup> (20°C)</i>
<i>Solubility in water:</i>	<i>insoluble</i>
<i>Coefficient of variation (n-Octanol/Water):</i>	<i>-0.4 log Kow no information available</i>
<i>Auto-ignition temperature:</i>	<i>376°C</i>
<i>Decomposition temperature:</i>	<i>No decomposition if used according to specifications.</i>
<i>Viscosity, dynamic:</i>	<i>not applicable</i>
<i>Explosive properties:</i>	<i>Product does not present an explosion hazard.</i>
<i>Oxidizing properties:</i>	<i>not oxidizing</i>
<i>Bulk density:</i>	

### 9.2. Further Information

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*Solubility in solvents:*

*Viscosity, kinematic:*

*Burning class:*

*Solvent content:*

*Solid content:*

*Particle size:*

*Other information:*

*Hygroscopy: not hygroscopic*

*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.*

#### 10.2. Chemical Stability

*Stable if used according to specifications.*

#### 10.3. Possibility of Hazardous Reactions

*The product may contain explosive fine dust or such dust may be produced by abrasion during transport or product transfer.*

#### 10.4. Conditions to Avoid

*Conditions to avoid:*

*Avoid humidity.*

*Avoid formation of dust.*

*Thermal decomposition:*

#### 10.5. Incompatible Materials

*Strong oxidizing agents and bases.*

#### 10.6. Hazardous Decomposition Products

*None if stored and handled according to specifications.*

#### 10.7. Further Information

### 11. Toxicological Information

#### 11.1. Information on Toxicological Effects

*Acute Toxicity*

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

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

*LC50, inhalation:*

*No information available.*

*Primary effects*

*Irritant effect on skin:*

*No information available*

*Irritant effect on eyes:*

*No information available.*

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*Inhalation:*

*No information available.*

*Ingestion:*

*No information available*

*Sensitization:*

*Non sensitizing (guinea pig; OECD 406).*

*Mutagenicity:*

*No relevant data found.*

*Reproductive toxicity:*

*No relevant data found.*

*Carcinogenicity:*

*No relevant data found.*

*Teratogenicity:*

*No information available.*

*Specific target organ toxicity (STOT):*

*Single exposure: no organospecific toxicity expected.  
Repeated exposure: no toxicological effects.*

*Additional toxicological information:*

*Aspiration hazard: not applicable  
The data refer to the properties of the individual components.*

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## 12. Ecological Information

### 12.1. Aquatic Toxicity

*Fish toxicity:*

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

*Daphnia toxicity:*

*EC50: > 500 mg/l (48h, Daphnia magna)*

*Bacteria toxicity:*

*No data available.*

*Algae toxicity:*

*EC50: > 100 mg/l (72h, Desmodesmus subspicatus)*

### 12.2. Persistency and Degradability

*No information available.*

### 12.3. Bioaccumulation

*No information available.*

### 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.*

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### 12.6. Other Adverse Effects

*Water hazard class:*

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

*Behaviour in sewage systems:*

*Further ecological effects:*

The product does not contain any substances which can deplete the ozone layer, according to Section I of EC-Directive 2037/2000/EC.

*AOX Value:*

Product contains according to the formulation, organically bound halogen. It can increase the AOX-value in the water purification plants overflow or if it reaches waters.

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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):*

080111 - Waste paint and varnish containing organic solvents or other dangerous substances

*Uncleaned packaging:*

Uncontaminated packaging may be recycled.

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 (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.:*

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*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 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

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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:*

*Technical instructions on air quality:*

### 15. 2. Chemical Safety Assessment

*A Chemical Safety Assessment is not necessary for this product.*

### 15. 3. Further Information

*Regulation (EC) 2037/2000 - Substances that Deplete the Ozone Layer: does not contain any ozone-depleting substances of group I and II nor are any used for the manufacture.*

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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.*