

Safety Data Sheet

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



23045 Phthalo Turquoise

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Revised edition: 04.08.2020

Version: 1

Printed: 29.11.2021

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

1.1. Product Identifier

Product Name: Phthalo Turquoise

Article No.: 23045

UFI: --

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

Identified uses:

*Colorant
Ink related product
Colored printing inks*

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:

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:

Other Hazards

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2.3. *Fine dust can cause dust explosion.
Dust may be produced when working with this material, which can cause a mechanical irritation of eyes, nose and respiratory tract.*

3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

This produkt is a mixture.

Chemical Characterization:

C.I. Pigment Blue

Information on Components / Hazardous Ingredients:

Copper, [29H,31H-phthalocyanato(2)-N29,N30,N31,N32]-, chlorinated; REACH Reg. No. 01-2119453986-22	25 - 50 %	CAS-Nr: 68987-63-3 EINECS-Nr: 273-501-7 EC-Nr:
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Polychloro copper phthalocyanine (Pigment Green 7); REACH Reg. No. 01-2119459333-39-0000	25 - 50 %	CAS-Nr: 1328-53-6 EINECS-Nr: 215-524-7 EC-Nr:
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29H, 31H-Phthalocyaninato-(2-)-N29,N30,N31,N32 copper; REACH Reg. No. 01-2119458771-32	1 - 2.5 %	CAS-Nr: 147-14-8 EINECS-Nr: 205-685-1 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.
Never give anything by mouth to an unconscious person.
Stable side position in case of unconsciousness.*

After inhalation:

*Supply fresh air.
Give artificial respiration in case breathing is not regular or if it has stopped.*

After skin contact:

*Remove contaminated clothing and shoes immediately.
Wash with soap and rinse with plenty of water.
Do not use solvents or thinners.*

After eye contact:

*Remove contact lens.
Rinse open eyes with plenty of water for at least 15 minutes.
After an unintentional eye contact, avoid sunlight or other UV-light sources to avoid an increase of the eye sensitivity.*

After ingestion:

*Immediately get medical help.
Do not induce vomiting.*

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4. 2. Most important Symptoms and Effects, both Acute and Delayed

Symptoms:

Prolonged or repeated contact can irritate eyes and skin.

Effects:

Repeated or prolonged contact with the product may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis.

4. 3. Indication of any Immediate Medical Attention and special Treatment needed

Treatment:

Treat symptomatically.

In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

5. Fire-Fighting Measures

5. 1. Extinguishing Media

Suitable extinguishing media:

Foam, carbon dioxide (CO₂), extinguishing powder, water spray.

Unsuitable extinguishing media:

Water spray.

5. 2. Special Hazards arising from the Substance or Mixture

Special hazards:

In case of fire: hazardous fumes may be released.

In case of fire: formation of carbon oxides, nitrogen oxides and fumes.

Dust can form explosive mixtures with air.

5. 3. Advice for Firefighters

Protective equipment:

Respiratory protection may be required.

Further information:

Cool exposed containers with water spray.

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

6. Accidental Release Measures

6. 1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

Do not ingest or inhale.

Wear protective clothing.

6. 2. Environmental Precautions

Environmental precautions:

Do not allow entering sewage system or water.

Contact local authorities if product pollutes soil or vegetation.

6. 3. Methods and Material for Containment and Cleaning Up

Methods and material:

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Contain with non-flammable absorbent material (e.g. sand, diatomaceous earth, vermiculite) and dispose accordingly.

Clean up with detergents.

Do not use solvents for cleaning.

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:

Wear adequate protective clothing (see para. 8).

Hygienic measures:

Remove contaminated clothing before entering dining areas.

Wash thoroughly after handling.

Avoid contact with skin, eyes and clothing. Do not inhale dust.

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.

Keep container tightly closed.

Keep containers upright and protect from damage.

Information on fire and explosion protection:

Do not store together with: oxidants.

Do not store together with: strong acids and strong alkalis.

Storage class:

13; Non combustible solids (TRGS 510)

Further Information:

7.3. Specific End Use(s)

Further information:

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

Parameters to be controlled (DE):

Polychloro copper phthalocyanine: MAK (airborne fraction): 0.01 mg/m³ (8h); 0.02 mg/m³ (15 min)

Copper, [29H,31H-phthalocyanato(2)-N29,N30,N31,N32]-, chlorinated: MAK (airborne fraction): 0.01 mg/m³ (8h); 0.02 mg/m³ (15 min)

29H, 31H-Phthalocyaninato-(2-)-N29,N30,N31,N32 copper: MAK (airborne fraction): 0.01 mg/m³ (8h); 0.02 mg/m³ (15 min)

Parameters to be controlled:

Derived No-Effect Level (DNEL):

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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:

Contaminated work clothing should not be worn out of the workplace. Wash contaminated clothing before reusing. 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:

Not required.

Hand protection:

Protective gloves (EN 374)

Protective glove material:

Eye protection:

Safety glasses (EN 166)

Body protection:

Environmental precautions:

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

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

Form: solid

Color: green

Odor: odorless

Odor threshold: no information available

pH-Value: not determined

Melting temperature: not applicable

Boiling temperature: not applicable

Flash point: not applicable

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<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>no information available</i>
<i>Vapor pressure:</i>	<i>not applicable</i>
<i>Vapor density:</i>	<i>No information available.</i>
<i>Density:</i>	<i>1.9 g/cm³</i>
<i>Solubility in water:</i>	<i>insoluble</i>
<i>Coefficient of variation (n-Octanol/Water):</i>	<i>not applicable</i>
<i>Auto-ignition temperature:</i>	<i>not applicable</i>
<i>Decomposition temperature:</i>	<i>not applicable</i>
<i>Viscosity, dynamic:</i>	<i>not applicable</i>
<i>Explosive properties:</i>	<i>not applicable</i>
<i>Oxidizing properties:</i>	<i>none</i>

9.2. Further Information

<i>Solubility in solvents:</i>
<i>Viscosity, kinematic:</i>
<i>Burning class:</i>
<i>Solvent content:</i>
<i>Solid content:</i>
<i>Particle size:</i>
<i>Other information:</i>

10. Stability and Reactivity

10.1. Reactivity

Stable if used according to specifications.

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10.2. Chemical Stability

Stable if used according to specifications.

10.3. Possibility of Hazardous Reactions

Exothermic reaction with oxidizing agents, strong alkalis and strong acids.

10.4. Conditions to Avoid

Conditions to avoid:

Avoid high temperature.

Thermal decomposition:

10.5. Incompatible Materials

Oxidizing agents.

Strong acids.

Strong alkalis.

10.6. Hazardous Decomposition Products

In case of high temperatures: formation of hazardous decomposition products.

10.7. Further Information

11. Toxicological Information

11.1. Information on Toxicological Effects

Repeated or prolonged contact with the product may cause removal of the natural fat from the skin, which can lead to drying of the skin.

Acute Toxicity

LD50, oral:

No information available.

LD50, dermal:

No information available.

LC50, inhalation:

No information available.

Primary effects

Irritant effect on skin:

No significant skin irritation after a short exposure.

Irritant effect on eyes:

Exposure to high ambient dust levels can cause irritation of the eyes.

Inhalation:

No irritant effect known.

Ingestion:

No irritant effect known.

Sensitization:

Not known.

Mutagenicity:

not determined

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Reproductive toxicity:

No relevant data found.

Carcinogenicity:

No relevant data found.

Teratogenicity:

No relevant data found.

Specific target organ toxicity (STOT):

No relevant data found.

Additional toxicological information:

12. Ecological Information

12.1. Aquatic Toxicity

No information available.

Fish toxicity:

Daphnia toxicity:

Bacteria toxicity:

Algae toxicity:

12.2. Persistency and Degradability

No information available.

12.3. Bioaccumulation

No information available.

12.4. Mobility

No information available.

12.5. Results of PBT- und vPvP Assessment

Not applicable.

12.6. Other Adverse Effects

Water hazard class:

1, slightly hazardous

Behaviour in sewage systems:

Further ecological effects:

Do not let product enter waterways or sewage system.

AOX Value:

Product contains organically bound halogens which may influence the AOX value of discard water.

13. Disposal Considerations

13.1. Waste Treatment Methods

Product:

If product cannot be reused or recycled, it has to be disposed of according to current local regulations.

European Waste Code (EWC):

Uncleaned packaging:

Contaminated packaging must be treated like the substance.

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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

Not classified as environmentally hazardous.

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

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)

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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

Listed in the following inventories:

TSCA (US), AICS (AUS), DSL (CA), ENCS (JP), KECI (KR), PICCS (PH), NZIoC (NZ), IECSC (CN), TCSI (TW)

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.