

Safety Data Sheet

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



56930 Photochrome Pigmente Blue

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Revised edition: 23.02.2017

Version: 1

Printed: 16.03.2018

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

1.1. Product Identifier

Product Name: Photochrome Pigmente Blue

Article No.: 56930

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

Identified uses:

Industrial application

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

E-Mail: 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)

*Skin irritation, hazard category 2
Skin sensitization, hazard category 1*

H315 Causes skin irritation.

Cat.: 2

H317 May cause an allergic skin reaction.

Cat.: 1

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)

Hazard designation:



GHS07-1

Signal word:

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Warning

Hazard designation:

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.

Safety designation:

P272	Contaminated work clothing should not be allowed out of the workplace.
P280	Wear protective gloves/ clothing/ eye/ face protection.
P302+P352	If on skin: Wash with soap and water.
P362	Take off contaminated clothing and wash before reuse.

Hazardous components for labelling:

2.3. Other Hazards

3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

Chemical Characterization:

Information on Components / Hazardous Ingredients:

Poly(styrene-alt-maleic anhydride), partial methyl (H315-319-335)	7.5 - 9.5 %	CAS-Nr: 31959-78-1 EINECS-Nr: 663-534-9 EC-Nr:
Paraffin oil (H304)	62 - 68 %	CAS-Nr: 8012-95-1 EINECS-Nr: 232-384-2 EC-Nr:
Polyoxymethylene melamine (H315-317)	21 - 24 %	CAS-Nr: 9003-08-01 EINECS-Nr: 618-354-5 EC-Nr:
Spiro[2H-indole-2,3-[3H]naphth[2,1-b][1,4]oxazine], 6'-(2,3-dihydro-1H-indol-1-yl)-1,3-dihydro-1,3,3-trimethyl- (H411)	1.3 - 1.8 %	CAS-Nr: 114747-44-3 EINECS-Nr: 601-320-9 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. Consult physician if symptoms persist.

After skin contact:

Remove contaminated clothing. Wash off immediately with plenty of water and soap.

Wash contaminated clothing before reuse.

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After eye contact:

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

After ingestion:

*Immediately get medical help.
Never give anything by mouth to an unconscious person.
Do not induce vomiting without medical advice.*

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:

No information available.

5. Fire-Fighting Measures

5.1. Extinguishing Media

Suitable extinguishing media:

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

Unsuitable extinguishing media:

None known.

5.2. Special Hazards arising from the Substance or Mixture

Special hazards:

*Combustible material.
In case of fire: formation of irritating gases/vapors.
May cause explosive gas-air-mixtures.*

5.3. Advice for Firefighters

Protective equipment:

Normal fire fighting clothing, i.e. fire kit (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

Further information:

*Collect contaminated extinguishing water and debris separately; avoid contamination of sewage system.
Cool exposed containers with water spray.*

6. Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

*Avoid formation of dust, wear protective clothing.
Wear protective clothing.*

6.2. Environmental Precautions

Environmental precautions:

Do not discharge into drains, surface or ground water in

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concentrated form.

6.3. Methods and Material for Containment and Cleaning Up

Methods and material:

Clean up mechanically. Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

6.4. Reference to other Sections

*Dispose of contaminated material according to Section 13.
Protective clothing, see Section 8.*

7. Handling and Storage

7.1. Precautions for Safe Handling

Instructions on safe handling:

Wear adequate protective clothing (see para. 8).

Hygienic measures:

*Do not eat or drink during work. Do not smoke.
Take off contaminated clothing immediately.*

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

Store in tightly sealed containers in a cool and well ventilated location.

Protect product from direct sunlight.

Requirements for storage areas and containers:

Store the product in the original container.

Information on fire and explosion protection:

No special measures necessary.

Storage class (VCI):

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):

TLV: 3 mg/m³ general dust limit inhalable fraction.

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

Parameters to be controlled:

Derived No-Effect Level (DNEL):

Predicted No-Effect Concentration (PNEC):

Additional Information:

8.2. Exposure Controls

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Technical protective measures:

Technical protective measures have priority to personal protective measures.

Facilities storing or utilizing this material should be equipped with an eyewash and shower facility.

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. Wash contaminated clothes before reuse.

Respiratory protection:

*Required in case of insufficient ventilation.
Recommended: Particle filter P1-P3*

Hand protection:

Protective gloves (EN 374)

Protective glove material:

Eye protection:

Tightly fitting safety goggles (EN 166).

Body protection:

*Protective suit with long sleeves.
Safety shoes (EN 344).*

Environmental precautions:

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

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

Form: powder

Color: bright green

Odor: odorless

*Odor threshold:
No information available.*

*pH-Value:
not available*

*Melting temperature:
not determined*

*Boiling temperature:
not applicable*

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Flash point:

not available

Evaporation rate:

No information available.

Flammability (solid, gas):

not available

Upper explosion limit:

no information available

Lower explosion limit:

no information available

Vapor pressure:

not determined

Vapor density:

No information available.

Density:

not determined

Solubility in water:

insoluble

Coefficient of variation (n-Octanol/Water):

not determined

Auto-ignition temperature:

No information available.

Decomposition temperature:

No data available.

Viscosity, dynamic:

not applicable

Explosive properties:

Product is not explosive; however, an explosive dust/air mixture can be formed.

Oxidizing properties:

no information available

Bulk density:

not determined

9.2. Further Information

Solubility in solvents:

Viscosity, kinematic

Burning class:

Solvent content:

Solid content:

Particle size:

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Other information:

10. Stability and Reactivity

10.1. Reactivity

No decomposition if used according to specifications.

10.2. Chemical Stability

Stable if used according to specifications.

10.3. Possibility of Hazardous Reactions

Dust can form explosive mixtures with air.

10.4. Conditions to Avoid

Conditions to avoid:

Avoid formation of dust.

Thermal decomposition:

10.5. Incompatible Materials

None known.

10.6. Hazardous Decomposition Products

No information available.

10.7. Further Information

11. Toxicological Information

11.1. Information on Toxicological Effects

Acute Toxicity

LD50, oral:

*Spiro[2H-indole-2,3-[3H]naphth[2,1-b][1,4]oxazine], 6'-(2,3-dihydro-1H-indol-1-yl)-1,3-dihydro-1,3,3-trimethyl-: > 2000 mg/kg
Paraffin oil: > 5000 mg/kg*

LD50, dermal:

*Spiro[2H-indole-2,3-[3H]naphth[2,1-b][1,4]oxazine], 6'-(2,3-dihydro-1H-indol-1-yl)-1,3-dihydro-1,3,3-trimethyl-: > 2000 mg/kg
Paraffin oil: > 2000 mg/kg*

LC50, inhalation:

Paraffin oil: 200 mg/l (4h)

Primary effects

Irritant effect on skin:

Irritating to skin.

Irritant effect on eyes:

No information available.

Inhalation:

No information available.

Ingestion:

No information available

Sensitization:

May cause sensitization by skin contact.

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Mutagenicity:

Not mutagenic.

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:

No risk of aspiration.

12. Ecological Information

12.1. Aquatic Toxicity

Fish toxicity:

Spiro[2H-indole-2,3-[3H]naphth[2,1-b][1,4]oxazine], 6'-(2,3-dihydro-1H-indol-1-yl)-1,3-dihydro-1,3,3-trimethyl-: EC50: > 1 mg/l (48h, crustaceans)

Paraffin oil: LC50: > 100 mg/l (96h, fish)

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

On the basis of available data, the product does not contain and PBT or vPvB in percentage greater than 0.1 %.

12.6. Other Adverse Effects

Water hazard class:

2 (German Regulation) (Assessment by list): hazardous.

Behaviour in sewage systems:

Further ecological effects:

AOX Value:

13. Disposal Considerations

13.1. Waste Treatment Methods

Product:

Reuse, when possible.

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*Product residues should be considered special hazardous waste.
Dispose of according to official national and local regulations.*

European Waste Code (EWC):

Uncleaned packaging:

Uncontaminated packaging may be recycled. Completely empty packaging can be disposed of with the regular waste.

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 (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:

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

14.7. Transportation in Bulk according to Annex II of MARPOL 73/78 and IBC-Code

14.8. Further Information

15. Regulatory Information

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15. 1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

Water hazard class:

2, hazardous for water (German Regulation)

Local regulations on chemical accidents:

Seveso III Directive: not applicable under Directive 2012/18/EC.

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.

EC SVHC-List: This product does not contain a substance in the candidate list for substances of very high concern above the legal limit value (> 0.1 % (w/w) REACH Regulation (EC) 1907/2006, Article 57).

15. 3. Further Information

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

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.