

Safety Data Sheet

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



23330 Yellow, greenish, PY 129

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Revised edition: 11.02.2019

Version: 3.1

Printed: 17.05.2019

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

1.1. Product Identifier

Product Name: Yellow, greenish, PY 129

Article No.: 23330

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

Identified uses:
Coloring component

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)

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)

H332

Cat.: 4

Acute toxicity (inhalation), hazard category 4
Harmful if inhaled.

Possible Environmental Effects:

See Section 12.

2.2. Label Elements

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

Hazard designation:



GHS07-1

Signal word:

Warning

Hazard designation:

H332

Harmful if inhaled.

Safety designation:

Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray

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Use only outdoors or in a well-ventilated area.

If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Call a poison center or physician if you feel unwell.

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:

Azomethine-Copper complex. Pigment Yellow 129, C.I. 48042

Information on Components / Hazardous Ingredients:

[1-[[[2-Hydroxyphenyl]imino]methyl]-2-naphtholato
(2-)-N,O,O']copper; REACH Reg. No. 01-
2120100829-57-0000

100 %

CAS-Nr: 15680-42-9

EINECS-Nr: 239-763-1

EC-Nr:

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:

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

After eye contact:

Rinse open eyes with plenty of water for at least 15 minutes.

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:

No further information available.

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

Treatment:

Treat symptomatically.

5. Fire-Fighting Measures

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5.1. Extinguishing Media

Suitable extinguishing media:

Extinguishing powder, foam.

Unsuitable extinguishing media:

Carbon dioxide (CO₂)

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:

Avoid formation of dust: risk of dust explosion.

Dispose of fire debris and contaminated extinguishing water in accordance with local regulations.

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:

Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

Prevent contamination of soil, drains and surface waters.

6.3. Methods and Material for Containment and Cleaning Up

Methods and material:

Avoid dust formation.

Contain with dust binding material and dispose accordingly.

6.4. Reference to other Sections

7. Handling and Storage

7.1. Precautions for Safe Handling

Instructions on safe handling:

Avoid formation of dust.

Respiratory protection when handling without exhaust system.

Hygienic measures:

No further measures, see Section 8.

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

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containers:

Store the product in the original container.

Information on fire and explosion protection:

*Avoid dust formation.
Take measures to prevent electrostatic discharge.
Dust explosion class 2 (Kst-value 200 - 300 bar m/s).*

Storage class:

11; Combustible solids

Further Information:

7.3. Specific End Use(s)

Further information:

See Section 1.2.; no other uses provided

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

Parameters to be controlled (DE):

none known

Parameters to be controlled:

Derived No-Effect Level (DNEL):

*2.35 mg/m³ (worker, inhalation, long-term exposition - systemic effects)
3.3 mg/kg (worker, skin contact, long-term exposition - systemic effects)
0.58 mg/m³ (consumer, inhalation, long-term exposition - systemic effects)
1.7 mg/kg (consumer, skin contact, long-term exposition - systemic effects)
0.17 mg/m³ (consumer, swallowing, long-term exposition - systemic effects)*

Predicted No-Effect Concentration (PNEC):

*Fresh water: 0.015 mg/l
Seawater: 0.0015 mg/l
Fresh water sediment: 0.181 mg/kg
Sea water sediment: 0.0181 mg/kg
Sewage treatment system (STP): 100 mg/l
Intermittent release: 0.155 mg/l
Soil: 0.0271 mg/kg*

Additional Information:

8.2. Exposure Controls

Technical protective measures:

Provide adequate ventilation in case of dust formation.

Personal Protection

General protective measures:

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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)). 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:

Environmental precautions:

Do not allow entering sewerage system.

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

Form: powder

Color: yellowish green

Odor: odorless

Odor threshold:

No information available.

pH-Value: ca. 7

Melting temperature: > 300°C

Boiling temperature:

not applicable

Flash point:

not applicable

Evaporation rate:

This product is a non-volatile solid.

Flammability (solid, gas): > 500°C (BAM)

Upper explosion limit:

no information available

Lower explosion limit:

no information available

Vapor pressure:

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not applicable

Vapor density:

No information available.

Density:

1.87 g/cm³ (20°C)

Solubility in water:

insoluble

Coefficient of variation (n-Octanol/Water):

not applicable

Auto-ignition temperature:

> 250°C

Product is not auto-ignitable.

Decomposition temperature:

195°C, 30 kJ/kg

(DSC (DIN 51007))

370°C, 20 kJ/g (DSC (DIN 51007))

410°C, 90 kJ/g (DSC (DIN 51007))

Viscosity, dynamic:

not applicable

Explosive properties:

Product does not present an explosion hazard.

Oxidizing properties:

not oxidizing

Bulk density:

1600 kg/m³

9.2. Further Information

Solubility in solvents:

Viscosity, kinematic

Burning class:

Solvent content:

Solid content:

Particle size:

Other information:

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

Risk of dust explosion.

10.4. Conditions to Avoid

Conditions to avoid:

Avoid electrostatic discharge.

Thermal decomposition:

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No data available.

10.5. Incompatible Materials

No information available.

10.6. Hazardous Decomposition Products

None if stored and handled according to specifications.

10.7. Further Information

Corrosion of metals: not corrosive.

11. Toxicological Information

11.1. Information on Toxicological Effects

*Product shows practically no toxicity after a single oral exposure.
Harmful by inhalation.*

Acute Toxicity

LD50, oral:

> 5000 mg/kg (rat; OECD 401)

LD50, dermal:

not determined

LC50, inhalation:

1 - 5 mg/l (4h, rat; OECD 403)

Primary effects

Irritant effect on skin:

Non irritating (rabbit)

Irritant effect on eyes:

Non-irritating to eyes (rabbit; OECD 405)

Inhalation:

No information available.

Ingestion:

No information available

Sensitization:

Non sensitizing (guinea pig; OECD 406).

Mutagenicity:

Product does not show a mutagenic effect in a test with bacteria.

Reproductive toxicity:

Did not show any teratogenic effects in animal studies (OECD 421/422).

Carcinogenicity:

No relevant data found.

Teratogenicity:

No indications of a teratogenic effect were seen in animal studies (OECD 421/422).

Specific target organ toxicity (STOT):

Single exposure: no organospecific toxicity expected.

Repeated exposure: may cause damage to the liver after repeated or prolonged exposure (swallowing).

Additional toxicological information:

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Aspiration hazard: not applicable

12. Ecological Information

12.1. Aquatic Toxicity

Acutely harmful for aquatic organisms. Based on long-term (chronic) toxicity study data, the product is very likely not harmful to aquatic organisms.

Fish toxicity:

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

Daphnia toxicity:

EC50: > 100 mg/l (48h, Daphnia magna; OECD 202)

Bacteria toxicity:

EC20: > 1000 mg/l (3h, active sludge; OECD 209)

Algae toxicity:

EC50: 15 mg/l (72h, Pseudokirchneriella subcapitata; OECD 201)

EC10: 6 mg/l (72h, Pseudokirchneriella subcapitata; OECD 201)

12.2. Persistency and Degradability

Not readily biodegradable.

12.3. Bioaccumulation

Bioaccumulation is not to be expected.

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.

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. Do not discharge product uncontrolled into the environment. The product contains: Oxidized Copper Powder

AOX Value:

13. Disposal Considerations

13.1. Waste Treatment Methods

Product:

In accordance with current regulations, product may be taken to an incineration plant.

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European Waste Code (EWC):

Uncleaned packaging:

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

Uncontaminated packaging may be recycled.

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

not applicable

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

not evaluated

14.8. Further Information

Not classified as a dangerous good under transport regulations.

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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 has been carried out for this product.

15.3. Further Information

Regulation (EC) 1005/2009 - Substances that Deplete the Ozone Layer: 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.