

Safety Data Sheet

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



56300 Fluorescent Pigment Brick Red

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Revised edition: 24.01.2017

Version: 2

Printed: 20.02.2020

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

1.1. Product Identifier

Product Name: Fluorescent Pigment Brick Red

Article No.: 56300

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

Identified uses:

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:

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:

Signal word:

Hazard designation:

EUH208

May produce an allergic reaction.

Safety designation:

P243

Take precautionary measures against static discharge.

P261

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

P262

Do not get in eyes, on skin, or on clothing.

P270

Do not eat, drink or smoke when using this product.

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Use only outdoors or in a well-ventilated area.

Avoid release to the environment.

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Use personal protective equipment as required.

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In case of inadequate ventilation wear respiratory protection.

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Collect spillage

Hazardous components for labelling:

2.3. Other Hazards

Contains formaldehyde: can cause allergic reactions.

3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

This produkt is a mixture.

Chemical Characterization:

Information on Components / Hazardous Ingredients:

Formaldehyde (H301-311-314-317-331-341-350);
REACH Reg.No. 01-2119488953-20-xxxx

<0.1 %

CAS-Nr: 50-00-0

EINECS-Nr: 200-001-8

EC-Nr: 605-001-00-5

Additional information:

4. First Aid Measures

4.1. Description of the First Aid Measures

General information:

Avoid contact with eyes, skin and clothes.

After inhalation:

Supply fresh air and seek medical advice in case of complaints.

After skin contact:

Remove contaminated clothing.

Wash with soap and rinse with plenty of water.

After eye contact:

Rinse open eyes with plenty of water. In case of discomfort seek medical help.

After ingestion:

Rinse mouth thoroughly with plenty of water. Do not induce vomiting. Consult physician immediately.

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.

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5. Fire-Fighting Measures

5.1. Extinguishing Media

Suitable extinguishing media:

Foam, carbon dioxide, extinguishing powder, water, water mist.

Unsuitable extinguishing media:

None known.

5.2. Special Hazards arising from the Substance or Mixture

Special hazards:

Dust can form explosive mixtures with air.

In case of fire: formation of toxic fumes.

5.3. Advice for Firefighters

Protective equipment:

Wear self-contained respiratory protective device.

Further information:

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:

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

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:

Take up mechanically and collect in suitable containers for disposal. Avoid dust formation.

6.4. Reference to other Sections

See Section 13 for information on disposal.

Protective clothing, see Section 8.

7. Handling and Storage

7.1. Precautions for Safe Handling

Instructions on safe handling:

The usual precautionary measures are to be adhered to when handling chemicals.

Avoid formation of dust.

Hygienic measures:

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

Store in tightly sealed containers in a dry room.

Protect against overheating.

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Requirements for storage areas and containers:

Information on fire and explosion protection:

*Take measures to prevent electrostatic discharge.
Do not store together with: oxidants.*

Storage class:

Further Information:

When the product is applied at higher temperatures, formaldehyde is released. Provide adequate ventilation.

7.3. Specific End Use(s)

Further information:

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

Parameters to be controlled (DE):

Formaldehyde (CAS 50-00-0), TWA: 0.3 ppm, 0.37 mg/m³; 2 (I)

Parameters to be controlled:

Formaldehyde (CAS 50-00-0), TWA/STEL/Ceiling: 0.5 ppm, 0.6 mg/m³; skin (A); 0.3 ppm, 0.38 mg/m³ (BE); Ceiling: 0.3 ppm, 0.4 mg/m³ (BE); TWA: 0.3 ppm, 0.37 mg/m³; STEL: 1 ppm, 1.2 mg/m³; Ceiling: 1 ppm, 1.2 mg/m³ (FI)

Formaldehyde (CAS 50-00-0), TWA: 0.3 ppm, 0.4 mg/m³; STEL: 1 ppm, 1.2 mg/m³; Ceiling: 0.6 ppm, 0.8 mg/m³ (IS); TWA/STEL: 2 ppm, 2.5 mg/m³ (IR); TWA: 0.5 ppm, 0.6 mg/m³; STEL: 1.5 ppm, 1.8 mg/m³; Ceiling: 1 ppm, 1.2 mg/m³ (NO); Ceiling: 0.3 ppm (PT); STEL: 0.3 ppm, 0.37 mg/m³ (ES)

Formaldehyde (CAS 50-00-0), LLV: 0.3 ppm, 0.37 mg/m³; CLV: 0.6 ppm, 0.74 mg/m³ (SE); TWA: 0.3 ppm, 0.37 mg/m³; STEL: 0.6 ppm, 0.74 mg/m³ (CH); TWA: 2 ppm, 2.5 mg/m³; STEL: 2 ppm, 2.5 mg/m³ (GB)

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:

*Do not inhale dust. Do not eat, drink or smoke while working.
Wash hands before breaks and at the end of work.*

Respiratory protection:

Dust mask.

Hand protection:

*Suitable protective gloves recommended, e.g. glove material:
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nitrile rubber (NBR).

Protective glove material:

Eye protection:

Safety glasses with protective shields (EN 166).

Body protection:

Protective clothing.

Environmental precautions:

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

Form: powder

Color: orange red

Odor: neutral

Odor threshold:

No information available.

pH-Value: 5 - 8

Melting temperature:

not applicable

Boiling temperature:

not applicable

Flash point:

not applicable

Evaporation rate:

not applicable

Flammability (solid, gas):

not applicable

Upper explosion limit:

no information available

Lower explosion limit:

no information available

Vapor pressure:

not applicable

Vapor density:

No information available.

Density: 1.38 g/ml

Solubility in water: insoluble

Coefficient of variation (n-Octanol/Water):

not applicable

Auto-ignition temperature:

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No information available.

Decomposition temperature:

No data available.

Viscosity, dynamic:

not applicable

Explosive properties:

not applicable

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:

Other information:

10. Stability and Reactivity

10.1. Reactivity

No information available.

10.2. Chemical Stability

Stable if used according to specifications.

10.3. Possibility of Hazardous Reactions

Hazardous polymerisation will not occur.

10.4. Conditions to Avoid

Conditions to avoid:

Avoid dusting near sources of ignition. Avoid heat.

Thermal decomposition:

Avoid heat.

10.5. Incompatible Materials

Strong acids, strong bases and strong oxidizing agents.

10.6. Hazardous Decomposition Products

Thermal decomposition may yield irritating gases and vapors.

10.7. Further Information

11. Toxicological Information

11.1. Information on Toxicological Effects

Acute Toxicity

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LD50, oral:

Formaldehyde: 600 mg/kg (rat)

LD50, dermal:

Formaldehyde: 270 mg/kg (rabbit)

LC50, inhalation:

Formaldehyde: 0.578 mg/l (4h; rat)

Primary effects

Irritant effect on skin:

No information available

Irritant effect on eyes:

Irritating to eyes.

Inhalation:

No information available.

Ingestion:

No information available

Sensitization:

No relevant data found.

Mutagenicity:

No relevant data found.

Reproductive toxicity:

No information available.

Carcinogenicity:

Formaldehyde: Carc. 1B (EC)

Teratogenicity:

No information available.

Specific target organ toxicity (STOT):

No relevant data found.

Additional toxicological information:

No information available.

12. Ecological Information

12.1. Aquatic Toxicity

Fish toxicity:

Formaldehyde: LC50: 22.6 - 25.7 mg/l flow-through, 23.2 - 29.7 mg/l static (96, Pimephales promelas); 1510 µg/l static (96h, Lepomis macrochirus); 41 mg/l static (96h Brachydanio rerio); 0.032 - 0.226 mg/l flow-through, 100 - 136 mg/l static (96h, Oncorhynchus mykiss)

Daphnia toxicity:

Formaldehyde: LC50: 2 mg/l (48h; Daphnia magna); EC50: 11.3-18 mg/l static (48h; Daphnia magna)

Bacteria toxicity:

Algae toxicity:

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12.2. Persistency and Degradability

No information available.

12.3. Bioaccumulation

Formaldehyde: logPOW 0.35

12.4. Mobility

No information available.

12.5. Results of PBT- und vPvP Assessment

No data available.

12.6. Other Adverse Effects

Water hazard class:

1, slightly hazardous (German Regulation; Self-assessment).

Behaviour in sewage systems:

Further ecological effects:

No ecological problems expected.

AOX Value:

13. Disposal Considerations

13.1. Waste Treatment Methods

Product:

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

European Waste Code (EWC):

Uncleaned packaging:

Contaminated packaging must be disposed like the substance.

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):

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Hazard no.:

EmS No.:

IATA Class:

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

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)

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

No information available.

15. 3. Further Information

The product/preparation is registered in the following national inventories:

EINECS (EU), TSCA (US), AICS (AUS), DSL (CA), PICCS (PH), LECS (KR), MITI/ENCs (JP), IECSC (CN), NZIoC (NZ)

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

Formaldehyde (CAS 50-00-0): French RG-Number: RG 53 (Diseases caused by formaldehyde and its polymers)

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

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therefore not be construed as guaranteeing specific properties.