

# Safety Data Sheet

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



## 56200 Fluorescent Pigment Golden Orange

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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 Golden Orange

*Article No.:* 56200

#### 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.

P271

Use only outdoors or in a well-ventilated area.

Avoid release to the environment.

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P281

Use personal protective equipment as required.

P285

In case of inadequate ventilation wear respiratory protection.

P391

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:*

*Remove contaminated clothes immediately.*

*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:*

*Water with full jet.*

#### 5.2. Special Hazards arising from the Substance or Mixture

*Special hazards:*

*No information available.*

#### 5.3. Advice for Firefighters

*Protective equipment:*

*Wear self-contained respiratory protective device.*

*Further information:*

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### 6. Accidental Release Measures

#### 6.1. Personal Precautions, Protective Equipment and Emergency Procedures

*Personal precautions:*

*Ensure adequate ventilation.*

#### 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

*Protective clothing, see Section 8.*

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### 7. Handling and Storage

#### 7.1. Precautions for Safe Handling

*Instructions on safe handling:*

*Provide adequate ventilation.*

*Hygienic measures:*

*Do not eat or drink during work. Do not smoke.*

#### 7.2. Conditions for Safe Storage, including any Incompatibilities

*Storage conditions:*

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

*Requirements for storage areas and containers:*

*Information on fire and explosion protection:*

*Take measures to prevent electrostatic discharge.*

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*Storage class:*

*Further Information:*

*No information available.*

### 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/m<sup>3</sup>; 2 (I)*

*Parameters to be controlled:*

*Formaldehyde (CAS 50-00-0); TWA, STEL: GB (EH40): 2 ppm, 2.5 mg/m<sup>3</sup>; FR (VLEP): 0.5 ppm, 1 ppm; NL (MAC): 0.15 ppm, 0.5 mg/m<sup>3</sup>*

*Formaldehyde (CAS 50-00-0), TWA/STEL/Ceiling: 0.5 ppm, 0.6 mg/m<sup>3</sup>; skin (A); 0.3 ppm, 0.38 mg/m<sup>3</sup> (BE); Ceiling: 0.3 ppm, 0.4 mg/m<sup>3</sup> (BE); TWA: 0.3 ppm, 0.37 mg/m<sup>3</sup>; STEL: 1 ppm, 1.2 mg/m<sup>3</sup>; Ceiling: 1 ppm, 1.2 mg/m<sup>3</sup> (FI)*

*Formaldehyde (CAS 50-00-0), TWA: 0.3 ppm, 0.4 mg/m<sup>3</sup>; STEL: 1 ppm, 1.2 mg/m<sup>3</sup>; Ceiling: 0.6 ppm, 0.8 mg/m<sup>3</sup> (IS); TWA/STEL: 2 ppm, 2.5 mg/m<sup>3</sup> (IR); TWA: 0.5 ppm, 0.6 mg/m<sup>3</sup>; STEL: 1.5 ppm, 1.8 mg/m<sup>3</sup>; Ceiling: 1 ppm, 1.2 mg/m<sup>3</sup> (NO); Ceiling: 0.3 ppm (PT); STEL: 0.3 ppm, 0.37 mg/m<sup>3</sup> (ES)*

*Formaldehyde (CAS 50-00-0), LLV: 0.3 ppm, 0.37 mg/m<sup>3</sup>; CLV: 0.6 ppm, 0.74 mg/m<sup>3</sup> (SE); TWA: 0.3 ppm, 0.37 mg/m<sup>3</sup>; STEL: 0.6 ppm, 0.74 mg/m<sup>3</sup> (CH); TWA: 2 ppm, 2.5 mg/m<sup>3</sup>; STEL: 2 ppm, 2.5 mg/m<sup>3</sup> (GB)*

*Derived No-Effect Level (DNEL):*

*Predicted No-Effect Concentration (PNEC):*

*Additional Information:*

### 8.2. Exposure Controls

*Technical protective measures:*

*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: nitrile rubber (NBR).*

*Protective glove material:*

*Eye protection:*

*Safety glasses with protective shields (EN 166).*

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*Body protection:*

*Protective clothing.*

*Environmental precautions:*

*No special measures required.*

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### 9. Physical and Chemical Properties

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

<i>Form:</i>	<i>powder</i>
<i>Color:</i>	<i>yellow - orange</i>
<i>Odor:</i>	<i>neutral</i>
<i>Odor threshold:</i>	<i>No information available.</i>
<i>pH-Value:</i>	<i>5 - 8</i>
<i>Melting temperature:</i>	<i>not applicable</i>
<i>Boiling temperature:</i>	<i>not applicable</i>
<i>Flash point:</i>	<i>not applicable</i>
<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>1.38 g/ml</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>No information available.</i>
<i>Decomposition temperature:</i>	<i>No data available.</i>
<i>Viscosity, dynamic:</i>	

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*not applicable*

*Explosive properties:*

*Dust can form explosive mixtures with air.*

*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:*

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## 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:*

*Do not overheat.*

*Thermal decomposition:*

### 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

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## 11. Toxicological Information

### 11.1. Information on Toxicological Effects

*Acute Toxicity*

*LD50, oral:*

*Formaldehyde: 600 mg/kg (rat)*

*LD50, dermal:*

*Formaldehyde: 270 mg/kg (rabbit)*

*LC50, inhalation:*

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*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:*

*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.*

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## 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:*

*no information available*

*Algae toxicity:*

*No information available.*

### 12.2. Persistency and Degradability

*No information available.*

### 12.3. Bioaccumulation

*Formaldehyde: logPOW 0.35*

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### 12.4. Mobility

*Product is not water soluble.*

### 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:*

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## 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.:*

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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.:*

*EmS No.:*

*IATA Class:*

*Hazard no.:*

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### 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

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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 (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)*

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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.*