

Safety Data Sheet

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



56200 Fluorescent Pigment Golden Orange

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Revised edition: 24.09.2025

Version: 2

Printed: 08.12.2025

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

1.1. Product Identifier

Product Name: Fluorescent Pigment Golden Orange

Article No.: 56200

UFI:

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

EMail: 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)*

H412
Cat.: 3

*Hazardous to the aquatic environment, chronic hazard category 3
Harmful to aquatic life with long lasting effects.*

Possible Environmental Effects:

2.2. Label Elements

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

*This product is classified and labelled according to CLP/GHS
regulations.*

Hazard designation:
Not applicable.

Signal word:

Hazard designation:
H412 Harmful to aquatic life with long lasting effects.
EUH208 May produce an allergic reaction.

Safety designation:

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P273	Avoid release to the environment.
P402+P404	Store in a closed container in a dry place.
P501	Dispose of contents/ container according to regional, national and international regulations.

Hazardous components for labelling:

Contains formaldehyde. Can cause allergic reactions.

2.3. Other Hazards

Dust clouds on pigment powder can pose a risk of dust explosion.

3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

Chemical Characterization:

Triazine-toluene sulfonamide-paraformaldehyde polycondensation resin with synthetic coloring matter.

Information on Components / Hazardous Ingredients:

Talcum (asbestos-free)	1 - 5 %	CAS-Nr: 14807-96-6 EINECS-Nr: 238-877-9 EC-Nr:
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2-Hydroxy-4-methoxybenzophenone (H410)	< 1 %	CAS-Nr: 131-57-7 EINECS-Nr: 205-031-5 EC-Nr:
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C.I. Basic Red 1:1, Xanthene dye (302-317-318-H410); REACH Reg.-Nr. 01-2120107344-68	< 0.5 %	CAS-Nr: 3068-39-1 EINECS-Nr: 221-326-1 EC-Nr:
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Formaldehyde (H301-311-314-317-330-341-350-355); STOT SE: H355: C>=5%, Skin.Corr. 1B; H314: C>=25%; Skin Irrit. 2; H315: 5%<=25%; Eye Irrit. 2; H319: 5%<=25%	< 0.1 %	CAS-Nr: 50-00-0 EINECS-Nr: 200-001-8 EC-Nr: 605-001-00-5
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Additional information:

4. First Aid Measures

4.1. Description of the First Aid Measures

General information:

Show this safety data sheet to the doctor in attendance.

Seek medical attention in case of complaints.

Use a barrier when performing mouth-to-mouth resuscitation.

Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid contact with skin. Use personal protective equipment as required. See Section 8 for more information.

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After inhalation:

Remove from the danger zone and lay on the floor. Keep the victim warm and calm. If unconscious, place in the recovery position and seek medical advice. Artificial respiration and/or oxygen administration may be necessary. Administer oxygen if breathing is difficult. If breathing is difficult or has stopped, initiate artificial respiration.

Use a barrier when performing mouth-to-mouth resuscitation.

Consult a doctor immediately if signs of an allergy, especially of the respiratory tract, are observed.

After skin contact:

Allergic symptoms may develop within 12 hours after exposure. In the case of skin irritation or allergic reactions see a physician.

Wash immediately with soap and plenty of water for 15 minutes. Remove contaminated clothing and shoes.

Wash contaminated clothing before reuse.

Clean contaminated shoes before reuse.

After eye contact:

Rinse gently with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Do not rub the affected area. If irritation persists, consult a doctor.

After ingestion:

Rinse mouth. Never give water to an unconscious person. Consult a doctor if symptoms persist. Do not induce vomiting without medical advice.

4.2. Most important Symptoms and Effects, both Acute and Delayed

Symptoms:

May cause allergy or asthma symptoms or breathing difficulties if inhaled. Skin rashes. May cause allergic skin reactions.

Effects:

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

Treatment:

Treat symptomatically.

May cause sensitization of susceptible persons. Effects of contact or inhalation.

5. Fire-Fighting Measures

5.1. Extinguishing Media

Suitable extinguishing media:

Use extinguishing media for surrounding fire.

Unsuitable extinguishing media:

Do not use a solid water stream as it may scatter and spread fire.

5.2. Special Hazards arising from the Substance or Mixture

Special hazards:

Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various

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hydrocarbons, aldehydes and soot. These may be highly dangerous if inhaled in confined spaces or at high concentration. Fine dust dispersed in the air poses a potential hazard in sufficient quantities and in the presence of an ignition source, as dust explosions can occur.

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:

Evacuate employees to safe areas. Use personal protective equipment. Keep people away from the spill/leak and send them to the windward side. Do not inhale dust.

6.2. Environmental Precautions

Environmental precautions:

Prevent further leakage or spillage if this can be done without risk. 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.

Clean up with water.

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:

If ventilation is inadequate, wear respiratory protection. Ensure adequate ventilation. Use only in rooms with adequate ventilation. If exposed to mist, spray, or aerosol, wear suitable respiratory protection and protective clothing.

Persons suffering from skin sensitization problems, asthma, allergies, chronic or recurrent respiratory diseases should not be employed in any processing operations.

Avoid contact with eyes, skin and clothing.

Hygienic measures:

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

Remove contaminated clothing immediately and wash before reusing.

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Rinse water must be disposed of in accordance with local and national regulations.

Handle with good work hygiene and safety technology.

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

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

Keep product away from children.

Protect product from direct sunlight.

Requirements for storage areas and containers:

Store in correctly labelled containers. Keep locked away.

Information on fire and explosion protection:

Do not store together with ignitable sources, heat and fire.

Storage class:

Further Information:

Recommend storage temperature: 5 - 25°C.

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: GB (EH40): 2 ppm, 2.5 mg/m³; FR (VLEP): 0.5 ppm, 1 ppm; NL (MAC): 0.15 ppm, 0.5 mg/m³

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)

Talc: TWA: 2 mg/m³ (AT, BE, IT, PT, ES, CH); STEL: 3 mg/m³, TWA: 1 mg/m³ (GB); TWA: 0.3 fiber/cm³ (DK); TWA: 0.5 fiber/cm³, STEL: 2 ppm, 1 ppm (FI); TWA: 0.25 mg/m³ (NL); TWA: 6 mg/m³, 2 mg/m³, STEL: 12 mg/m³, 4 mg/m³ (NO); LLV: 2 mg/m³, 1 mg/m³ (SE)

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Derived No-Effect Level (DNEL):

PNEC (Predicted No-Effect Concentration):

Additional Information:

8. 2. Exposure Controls

Technical protective measures:

Ensure adequate ventilation, especially in enclosed spaces. Wherever reasonably possible, this should be achieved by local extraction or by good 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:

Required in case of insufficient ventilation. Workers must wear suitable, certified respiratory protection when exposed to concentrations above the exposure limits. Respiratory protection with steam filter (EN 141).

Hand protection:

Protective gloves (EN 374)

Protective glove material:

Please note the manufacturers' detailed statements, especially about the minimum thickness and the minimum breakthrough time.

Eye protection:

Not required.

Body protection:

Protective clothing.

Environmental precautions:

9. Physical and Chemical Properties

9. 1. Information on Basic Physical and Chemical Properties

Form: powder

Color: yellow - orange

Odor: neutral

Odor threshold: no information available

pH-Value: 6.8

Melting temperature:

Boiling temperature: not applicable

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<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>1.4 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>No information available.</i>
<i>Decomposition temperature:</i>	<i>No data available.</i>
<i>Viscosity, dynamic:</i>	<i>not applicable</i>
<i>Explosive properties:</i>	<i>no information available</i>
<i>Oxidizing properties:</i>	<i>no information available</i>
<i>Bulk density:</i>	<i>not determined</i>

9.2. Further Information

Solubility in solvents:

Viscosity, kinematic:

Burning class:

Solvent content:

Solid content:

Particle size:

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Particle characteristics: no information

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
No information available.
- 10.4. Conditions to Avoid
Conditions to avoid:
Do not overheat.
Thermal decomposition:
Avoid heat.
- 10.5. Incompatible Materials
Strong oxidizing agents.
- 10.6. Hazardous Decomposition Products
Carbon monoxide and dioxide, fumes, nitrogen oxide.
- 10.7. Further Information

11. Toxicological Information

- 11.1. Information on Hazard Classes as defined in Regulation (EC) No. 1272/2008
- Acute Toxicity*
- LD50, oral:*
> 5000 mg/kg (ATE)
Formaldehyde: LD50: 100 mg/kg (rat)
2-Hydroxy-4-methoxybenzophenone: LD50: > 12800 mg/kg (rat)
C.I. Basic Red 1:1: LD50: 449 mg/kg
- LD50, dermal:*
Formaldehyde: LD50: 270 mg/kg (rat)
2-Hydroxy-4-methoxybenzophenone: LD50: > 16000 mg/kg (rabbit)
- LC50, inhalation:*
14.24 mg/l (ATE)
Formaldehyd: LC50: 6 mg/l (rat)
C.I. Basic Red 1:1: 0.051 - 0.5 mg/l (rat)
- Primary effects*
- Irritant effect on skin:*
May cause allergic reactions.
- Irritant effect on eyes:*
No irritant effect known.
- Inhalation:*
May cause an allergy, asthma-like symptoms or breathing

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difficulties when inhaled.

Ingestion:

No information available

Sensitization:

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Mutagenicity:

No relevant data found.

Reproductive toxicity:

No information available.

Carcinogenicity:

No relevant data found.

Teratogenicity:

No information available.

Specific target organ toxicity (STOT):

*Single exposure: Not classified based on available information.
Repeated exposure: Not classified based on available information.*

Aspiration hazard:

No risk of aspiration.

11. 2. Information on other Hazards

Endocrine Disrupting Properties: no information available.

12. Ecological Information

12. 1. Aquatic Toxicity

< 1% of the mixture consists of components with unknown water hazard.

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)

Talc: LC50: > 100000 mg/l (24h)

2-Hydroxy-4-methoxybenzophenone: LC50: 3.8 mg/l (96h, Oryzias latipes)

C.I. Basic Red 1:1: LC50: 6.85 mg/lg (96h, Leuciscus idus); NOEC: 2.15 mg/l (96h)

Daphnia toxicity:

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

C.I. Basic Red 1:1: LC50: 1.0 mg/l (48h, Daphnia magna)

Bacteria toxicity:

No data available.

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Algae toxicity:

C.I. Basic Red 1:1: LC50: 0.023 mg/l (72h, Pseudokirchneriella subcapitata); NOEC: 0.014 mg/l (72h)

12. 2. Persistency and Degradability

No information available.

12. 3. Bioaccumulation

Formaldehyde: logPOW 0.35

2-Hydroxy-4-methoxybenzophenone: log KOW: 3.45

C.I. Basic Red 1:1: log KOW: 1.7

12. 4. Mobility

No data available.

12. 5. Results of PBT- und vPvP Assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB).

12. 6. Endocrine Disrupting Properties

This substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated Regulation (EU) No. 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1 % or higher.

12. 7. Other Adverse Effects

Water hazard class:

3, hazardous

Behaviour in sewage systems:

Further ecological effects:

AOX Value:

13. Disposal Considerations

13. 1. Waste Treatment Methods

Product:

Avoid the contamination of drains, watercourses or the soil.

Disposal should be carried out in accordance with applicable regional, national, and local laws and regulations.

Dispose of contents/container to an approved landfill site.

European Waste Code (EWC):

Uncleaned packaging:

Do not reuse empty containers.

Waste Code No.:

14. Transport Information

14. 1. UN Number

ADR, IMDG, IATA

14. 2. UN Proper Shipping Name

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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

None

14. 6. Special Precautions for User

Not classified as a dangerous good under transport regulations.

14. 7. Maritime Transport in Bulk according to IMO Instruments

14. 8. Further Information

15. Regulatory Information

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

Water hazard class:

3, very 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:

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Formaldehyde (CAS Nr. 50-00-0)

Synthetic polymer microparticles:

Regulation (EC) No. 1907/2006 (REACH), Annex XVII, entry number 78 regarding synthetic polymer microparticles (Regulation 2023/2055 (EU)): The synthetic polymer microparticles supplied are subject to the conditions of entry 78.

Sulphonamide-Melamine-Paraformaldehyde polymer: 80 -100 %

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

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

Regulation on Persistent Organic Pollutants (POP): not listed

Formaldehyde (CAS 50-00-0): French RG-Number: RG 43 (Diseases caused by formaldehyde and its polymers)

Talc (free of asbestos fibers; CAS 14807-96-6): French RG-Number: RG 25

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.