

# Safety Data Sheet

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



## 28050 Kremer Color Paste - Yellow, PY 1

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Version: 1

Printed: 04.05.2022

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

#### 1.1. Product Identifier

*Product Name:* Kremer Color Paste - Yellow, PY 1

*Article No.:* 28050

*UFI:* --

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

*Identified uses:*  
Coloring agent for industrial purposes

*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)*

H317

Cat.: 1

H412

Cat.: 3

*Skin sensitization, hazard category 1*

*Hazardous to the aquatic environment, chronic hazard category 3*

May cause an allergic skin reaction.

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)*

*Hazard designation:*



GHS07-1

*Signal word:*

Warning

*Hazard designation:*

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H317 May cause an allergic skin reaction.  
H412 Harmful to aquatic life with long lasting effects.

### Safety designation:

P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/ clothing/ eye/ face protection.  
P302+P352 If on skin: Wash with soap and water.  
P333+P313 If skin irritation or rash occurs: Get medical attention.  
P362 Take off contaminated clothing and wash before reuse.  
P501 Dispose of contents/ container according to regional, national and international regulations.

### Hazardous components for labelling:

#### 2.3. Other Hazards

Contains a mixture of 5-Chloro-2-methylisothiazolin-3(2H)-one (EG 247-500-7) and 2-Methylisothiazol-3(2H)-one (EG 220-239-6) (3:1): can cause allergic reactions.

### 3. Composition/Information on Ingredients

#### 3.1. Substance

#### 3.2. Mixture

Chemical Characterization: Aqueous suspension of pigments, containing C.I. Pigment Yellow 1

#### Information on Components / Hazardous Ingredients:

Polyethylene glycol HO-(CH <sub>2</sub> H <sub>2</sub> O) <sub>n</sub> -H, average molecular mass 400	10 - 20 %	CAS-Nr: 25322-68-3 EINECS-Nr: 500-038-2 EC-Nr:
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Reaction compound of 5-Chloro-2-methyl-2H-isothiazole-3-one and 2-Methyl-2H-isothiazole-3-one (3:1) (H301-310-314-317-318-330-400-H410); REACH Reg. No. 01-2120764691-48	0.0025-0.025 %	CAS-Nr: 55965-84-9 EINECS-Nr: EC-Nr: 613-167-00-5
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#### Additional information:

### 4. First Aid Measures

#### 4.1. Description of the First Aid Measures

##### General information:

No special measures required.

##### After inhalation:

Supply fresh air. Consult physician if symptoms persist.  
In case breathing is not regular or if it has stopped, seek medical advice immediately and initiate first aid measures.  
In case of unconsciousness place patient stable in side position for transportation.  
Keep the airways open. Unfasten tight garments (collar, tie, belt).  
In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under

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*medical surveillance for 48h.*

*After skin contact:*

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

*Wash contaminated clothing and shoes before reuse.*

*After eye contact:*

*Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes.*

*In case of continued complaints consult a specialist.*

*After ingestion:*

*Rinse mouth thoroughly with plenty of water and drink plenty of water. Consult a physician.*

*Do not induce vomiting unless directed to do so by medical personnel.*

*Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as collar, tie, belt or waistband.*

*If symptoms persist, call a physician.*

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

*Symptoms:*

*Can cause allergic reactions.*

*Effects:*

### 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:*

*Water mist, extinguishing powder, foam, carbon dioxide.  
Use extinguishing media for surrounding fire.*

*Unsuitable extinguishing media:*

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

*Special hazards:*

*In case of fire: formation of carbon oxides, nitrogen oxides.  
The container may burst when heated or in case of fire.*

### 5.3. Advice for Firefighters

*Protective equipment:*

*Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.*

*Further information:*

*Promptly isolate the scene by removing all persons from the*

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*vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.*

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### 6. Accidental Release Measures

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

*Personal precautions:*

*Avoid contact with skin, eyes and clothing.*

*Avoid formation of dust, wear protective clothing. Keep spectators away.*

*Floor may be slippery; use care to avoid falling.*

#### 6.2. Environmental Precautions

*Environmental precautions:*

*Prevent contamination of soils, drains and surface water.*

*Contact local authorities if product pollutes waterways or the sewage system.*

#### 6.3. Methods and Material for Containment and Cleaning Up

*Methods and material:*

*Contain with absorbent material (sand, earth, vermiculite or diatomaceous earth) and collect in appropriate containers for disposal.*

#### 6.4. Reference to other Sections

*Protective clothing, see Section 8.*

*Dispose of contaminated material according to Section 13.*

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### 7. Handling and Storage

#### 7.1. Precautions for Safe Handling

*Instructions on safe handling:*

*Wear adequate protective clothing (see para. 8).*

*Hygienic measures:*

*Avoid contact with skin, eyes and clothing.*

*Change contaminated clothing. Wash hands after work.*

*Keep away from foodstuffs and drinks.*

#### 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.*

*Do not store together with food stuff and animal feed.*

*Requirements for storage areas and containers:*

*Store the product in the original container.*

*Store product in correctly labelled containers.*

*Information on fire and explosion protection:*

*Storage class:*

*12; Non-combustible liquids (TRGS 510)*

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*Further Information:*

*Store in a dry place.*

### 7.3. Specific End Use(s)

*Further information:*

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## 8. Exposure Controls/Personal Protection

### 8.1. Parameters to be Controlled

*Parameters to be controlled (DE):*

*TRGS 900*

*Polyethylene glycol (PEG) (CAS 25322-68-3), TLV: 200 mg/m<sup>3</sup> (inhalable fraction, 2 (II)); 1000 mg/m<sup>3</sup> (inhalable fraction, 8(II))*

*Parameters to be controlled:*

*Derived No-Effect Level (DNEL):*

*Predicted No-Effect Concentration (PNEC):*

*Additional Information:*

### 8.2. Exposure Controls

*Technical protective measures:*

*Provide adequate ventilation/exhaust system.*

*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: respiratory mask with an ABEK-filter.*

*Hand protection:*

*Solvent resistant protective gloves.*

*Protective glove material:*

*Polypropylene (CR), nitrile rubber (NBR), polyvinyl chloride (PVC). Remove contaminated gloves and discard according to specifications.*

*Eye protection:*

*Use safety glasses or face shields in case of splash risk.*

*Body protection:*

*Protective clothing.*

*Environmental precautions:*

*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.*

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### 9. Physical and Chemical Properties

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

<i>Form:</i>	<i>liquid</i>
<i>Color:</i>	<i>yellow</i>
<i>Odor:</i>	<i>odorless</i>
<i>Odor threshold:</i>	<i>no information available</i>
<i>pH-Value:</i>	<i>6 - 8</i>
<i>Melting temperature:</i>	<i>not available</i>
<i>Boiling temperature:</i>	<i>100°C (1013 hPa)</i>
<i>Flash point:</i>	<i>&gt; 100°C (&gt; 212°F)</i>
<i>Evaporation rate:</i>	<i>No information available.</i>
<i>Flammability (solid, gas):</i>	<i>not available</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>1.0 - 1.4 g/cm<sup>3</sup> (20°C)</i>
<i>Solubility in water:</i>	<i>miscible</i>
<i>Coefficient of variation (n-Octanol/Water):</i>	<i>no information available</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>&lt; 1000 mPa.s (20°C)</i>
<i>Explosive properties:</i>	<i>not available</i>
<i>Oxidizing properties:</i>	<i>no information available</i>
<i>Bulk density:</i>	

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### 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

*Stable if used according to specifications.*

#### 10.2. Chemical Stability

*Stable if used according to specifications.*

#### 10.3. Possibility of Hazardous Reactions

*None if handled and stored according to specifications.*

#### 10.4. Conditions to Avoid

*Conditions to avoid:*

*No further information available.*

*Thermal decomposition:*

#### 10.5. Incompatible Materials

*Strong acids, strong bases and strong oxidizing agents.*

*Strong reducing agents.*

#### 10.6. Hazardous Decomposition Products

*None if stored and handled according to specifications.*

#### 10.7. Further Information

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### 11. Toxicological Information

#### 11.1. Information on Toxicological Effects

*Acute Toxicity*

*LD50, oral:*

*Polyethylene glycol 400 (25322-68-3): LD50: > 2000 mg/kg (rat; OECD 423)*

*LD50, dermal:*

*Polyethylene glycol 400 (25322-68-3): LD50: > 2000 mg/kg (ratte; OECD 402)*

*LC50, inhalation:*

*Reaction compound of: 5-Chloro-2-methyl-2H-isothiazol-3-one and 2-Methyl-2H-isothiazol-3-one (3:1): 0.31 mg/l (4h, rat)*

*Polyethylene glycol 400 (25322-68-3): LC0: 2516 mg/m<sup>3</sup> (6h, rat)*

*Primary effects*

*Irritant effect on skin:*

*Reactions compound of 5-Chloro-2-methyl-2H-isothiazol-3-one*

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	<i>and 2-Methyl-2H-isothiazole-3-one (3:1): causes chemical burns Polyethylene glycol 400 (25322-68-3): no irritating effect (rabbit; OECD 404)</i>
<i>Irritant effect on eyes:</i>	<i>Reaktion compound of 5-Chloro-2-methyl-2H-isothiazole-3-one and 2-Methyl-2H-isothiazole-3-one (3:1): risk of severe eye damage. Polyethylene glycol 400 (25322-68-3): no irritating effect (rabbit; OECD 405)</i>
<i>Inhalation:</i>	<i>No information available.</i>
<i>Ingestion:</i>	<i>No information available</i>
<i>Sensitization:</i>	<i>Reaction compound of 5-Chloro-2-methyl-2H-isothiazole-3-one and 2-Methyl-2H-isothiazole-3-one (3:1): may cause sensitization by skin contact (guinea pig; OECD 406) Sensitizing (OECD 429, Mouse Local Lymph Node Assay (LLNA)) Polyethylene glycol 400 (25322-68-3): non sensitizing (guinea pig; OECD 406)</i>
<i>Mutagenicity:</i>	<i>Polyethylene glycol 400 (25322-68-3): In vitro genetic-toxicity: Ames-Test negative (Salmonella typhimurium; OECD 471) In vitro genetic toxicity: Mammalian Cell Test (ovaries of the chinese hamster, OECD 476): negative</i>
<i>Reproductive toxicity:</i>	<i>Polyethylene glycol 400 (25322-68-3): Effect on fertility: Did not show any effects on the fertility and the early stage of embryonic development (oral, rat m/f; OECD 421)</i>
<i>Carcinogenicity:</i>	<i>No relevant data found.</i>
<i>Teratogenicity:</i>	<i>No relevant data found.</i>
<i>Specific target organ toxicity (STOT):</i>	<i>Repeated exposure: Polyethylene glycol 400 (25322-68-3): NOAEL: 8000 mg/kg, LOAEL: 16000 mg/kg (90d, rat m/f, oral, daily 2000-24000 mg/kg bw/d)</i>
<i>Additional toxicological information:</i>	<i>Endocrine Disrupting Properties: This substance/mixture does not contain any components with endocrine disrupting properties in a percentage of 0.1 or greater, according to Article 57(f) of the REACH Regulation (EC) No. 1907/2006 or the Delegated Regulation (EC) 2017/2100 or the Delegated Regulation (EC) 2018/605.</i>

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### 12. Ecological Information

#### 12.1. Aquatic Toxicity

*Fish toxicity:*

*Reaction mass of 5-Chloro-2-methyl-2H-isothiazole-3-one and 2-Methyl-2H-isothiazole-3-one (3:1): LC50: 0.58 mg/l (96h, Danio rerio)*

*Polyethylene glycol 400 (25322-68-3): LC50: > 100 mg/l (96h, Poecilia reticulata; OECD 203)*

*Daphnia toxicity:*

*Reaction compound of 5-Chloro-2-methyl-2H-isothiazole-3-one and 2-Methyl-2H-isothiazole-3-one (3:1): EC50: 1.02 mg/l (48h, Daphnia magna)*

*Polyethylene glycol 400 (25322-68-3): EC50: > 100 mg/l (48h, Daphnia magna; OECD 202)*

*Bacteria toxicity:*

*No data available.*

*Algae toxicity:*

*Reaction compound of 5-Chloro-2-methyl-2H-isothiazole-3-one and 2-Methyl-2H-isothiazole-3-one (3:1): EC50: 0.379 mg/l (72h, Pseudokirchneriella subcapitata); EC10: 0.188 mg/l (72h, Pseudokirchneriella subcapitata; OECD 201)*

*M-Factor (Acute): 100*

*M-Factor (Chronic): 100*

*Polyethylene glycol 400 (25322-68-3): ErC50: > 100 mg/l (72h, Desmodesmus subspicatus); NOEC: 56,02 mg/l (72h, Desmodesmus subspicatus)*

#### 12.2. Persistency and Degradability

*Reaction mass of 5-Chloro-2-methyl-2H-isothiazole-3-one and 2-Methyl-2H-isothiazole-3-one (3:1): Not readily biodegradable.*

*Polyethylene glycol 400 (25322-68-3): 70 %, Readily biodegradable (28d; OECD 301D)*

#### 12.3. Bioaccumulation

*Polyethylene glycol 400: log POW 2.29*

#### 12.4. Mobility

*No information 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) at levels of 0.1 % or higher.*

#### 12.6. Other Adverse Effects

*Water hazard class:*

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

*Behaviour in sewage systems:*

*Further ecological effects:*

*Endocrine Disrupting Properties:*

*This substance/mixture does not contain any components with*

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*endocrine disrupting properties in a percentage of 0.1 or greater, according to Article 57(f) of the REACH Regulation (EC) No. 1907/2006 or the Delegated Regulation (EC) 2017/2100 or the Delegated Regulation (EC) 2018/605.*

*Product does not contain relevant concentrations of heavy metals.*

*The product does not contain any phosphates or phosphorus organic compounds.*

*Product does not contain nitrogen which may contribute to eutrophication.*

*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 waste disposal site or incineration plant, after consultation with site operator and/or with the responsible authority.*

*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 / DOT (US) (land transportation).*

*IMDG/IATA:*

#### 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.:*

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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

*not applicable*

### 14.8. Further Information

*Do not store together with foodstuffs.*

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## 15. Regulatory Information

### 15.1. Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

*Water hazard class:*

*2, hazardous for water (according to the German Regulation AwSV)*

*Local regulations on chemical accidents:*

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

*Employment restrictions:*

*The employment restrictions for young workers in accordance with the Youth Employment Protection Law are to be observed.*

*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, Registered no. 3*

*Technical instructions on air quality:*

### 15.2. Chemical Safety Assessment

*A Chemical Safety Assessment is not necessary for this product.*

*EC SVHC-List: This product does not contain a substance in the candidate list for substances of very high concern (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*

*International Chemical Weapons Convention (CWC), list of the toxic chemicals and toxic chemical precursors: not forbidden and/or restricted*

*Regulation (EC) 1005/2009 - Substances that Deplete the Ozone Layer: not regulated / not applicable*

*Regulation (EU) 2019/1021 - Persistent organic pollutants: not regulated / not applicable*

*Regulation (EC) 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug*

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*precursors: not forbidden and/or not restricted*

*Regulation (EC) 649/2012 concerning the export and import of dangerous chemicals: Not applicable*

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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.*