

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

### Identification of the Product

Product Name: Colored Glass, Opal Orange, yellowish, opaque  
Article No.: 39060  
Use of the Substance/Preparation: Artists' and Restoration Material

### Company

Company: Kremer Pigmente GmbH & Co. KG  
Address: Hauptstrasse 41-47, D 88317 Aichstetten  
Tel/Fax: Tel +49 7565 914480, Fax +49 7565 1606  
Internet: www.kremer-pigmente.de, kremer-pigmente@t-online.de  
Emergency No.: +49 7565 914480, Mon-Fri 8:00 - 17:00

## 2. Hazard Identification

Hazard designation:



Xn Harmful

Risk Phrases:

R20 Harmful by inhalation.

R22 Harmful if swallowed.

Additional information:

Avoid inhalation of dust.

After inhalation: irritation of the respiratory system. Risk of silicosis and lung cancer.

Ingestion of the product may result in vomiting.

Risk of being cut in mouth, throat and other organs.

## 3. Composition/Information on Ingredients

Chemical Characterization:

Colored glass, EINECS 266-046-0

Inorganic product of fusion.

All components are bound by vitrification.

Hazardous Ingredients:

Zinc oxide (N; R50-53) 0.01-18.4 %

CAS-Nr: 1314-13-2 EINECS-Nr: 215-222-5 EC-Nr: 030-013-00-7

Copper oxide (Xn) 0-10.4 %

CAS-Nr: 1317-38-0 EINECS-Nr: 215-269-1 EC-Nr:

Diantimony trioxide (Xn) 0-4.29 %

CAS-Nr: 1309-64-4 EINECS-Nr: 215-175-0 EC-Nr:

Diarsenic trioxide (T+,N) 0-4.84 %

CAS-Nr: 1327-53-3 EINECS-Nr: 215-481-4 EC-Nr:

Barium oxide (Xn; R20/22) 0-12.1 %

CAS-Nr: 1304-28-5 EINECS-Nr: 215-127-9 EC-Nr:

Cobalt oxide (Xn,N) 0-4.54 %

CAS-Nr: 1307-96-6 EINECS-Nr: 215-154-6 EC-Nr:

Cadmium oxide (T+,N) 0.04-6.8 %

CAS-Nr: 1306-19-0 EINECS-Nr: 215-146-2 EC-Nr:

Selenium (T) 0-8.4 %

CAS-Nr: 7782-49-2 EINECS-Nr: 231-957-4 EC-Nr:

#### 4. First Aid Measures

After inhalation:	In case of complaints consult a physician.
After skin contact:	Remove contaminated clothing immediately. Wash off immediately with plenty of water and soap.
After eye contact:	Rinse open eyes with plenty of water for at least 15 minutes. Consult physician.
After ingestion:	Rinse mouth thoroughly with plenty of water and drink plenty of water. Consult physician.

#### 5. Fire-Fighting Measures

Suitable extinguishing media:	Use extinguishing media for surrounding fire. Product itself does not burn.
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#### 6. Accidental Release Measures

Personal precautions:	Avoid dust formation. Avoid contact with eyes and skin.
Environmental precautions:	Do not discharge into drains, surface or ground water.
Methods of cleaning/absorption:	Clean up mechanically. Avoid dust formation.

#### 7. Handling and Storage

##### *Handling*

Instructions on safe handling:	Avoid dust formation. Provide adequate ventilation.
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##### *Storage*

Storage conditions:	Store in tightly sealed containers in a dry room.
Storage compatibility:	Do not store together with: strong acids and strong alkalis.
Storage class (VCI):	13; Non combustible solids.

#### 8. Exposure Controls/Personal Protection

Additional information about design of technical systems:	No further measures, see Section 7.
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Components with workplace control parameters (Germany):	TWA: 0.1 mg/m <sup>3</sup>
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##### *Personal protective equipment*

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 the shift.
Respiratory protection:	Dust mask (particle filter P3; EN 136, 140, 149) .
Hand protection:	Protective gloves The manufacturer's directions for use should be observed because of the great diversity of types.
Eye protection:	Tightly fitting safety goggles.

#### 9. Physical and Chemical Properties

Form:	powder
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Revised edition: 21.09.2009

Color:	orange
Odor:	odorless
Melting temperature:	420 - 530°C
Softening point:	> 580°C
Density:	2.4 - 3.3 g/cm <sup>3</sup>
Bulk density:	1.4 - 2.2 kg/dm <sup>3</sup>
Solubility in water:	insoluble
Further information:	Flow point: > 900°C

### 10. Stability and Reactivity

Hazardous decomposition products: If heated above 900°C: formation of fumes of inorganic metal compounds.

### 11. Toxicological Information

Irritant effect on eyes: Dust may cause irritation.  
Inhalation: Harmful by inhalation.  
Further toxicological effects: Risk of irreversible damage.

### 12. Ecological Information

Elimination (Persistence and Degradability): Inorganic substance. Biological degradability is not affected.  
Further ecological effects: Very toxic for water organisms; bactericidal effect.  
*Further information*  
Water hazard class: 2

### 13. Disposal Considerations

Product: Product can be taken to a waste disposal site according to local regulations.  
Uncleaned packaging: Dispose of according to official local regulations.

### 14. Transport Information

Further information: Not classified as a dangerous good under transport regulations.

### 15. Regulatory Information

Designation according to EC Guidelines: The material is subject to classification according to EC lists.

Hazard designation:



Xn Harmful

Risk Phrases: R20 Harmful by inhalation.  
R22 Harmful if swallowed.  
Safety Phrases: S24 Avoid contact with skin.  
S22 Do not breathe dust.  
S21 When using do not smoke.  
S25 Avoid contact with eyes.



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Safety Phrases:	S36 Wear suitable protective clothing. S37 Wear suitable gloves. S45 If swallowed, seek medical advice immediately and show this container or label. S20 When using do not eat or drink. S02 Keep out of reach of children.
Water hazard class:	2, hazardous for water

## 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.