

Safety Data Sheet

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



391021 Colored Glass, Opal Light-Green, opaque

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Revised edition: 27.12.2017

Version: 2

Printed: 24.11.2020

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

1.1. Product Identifier

Product Name: Colored Glass, Opal Light-Green, opaque

Article No.: 391021

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

Identified uses:

Colorless and colored glass as an intermediate for further processing

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)

Acute toxicity (oral), hazard category 4
Skin sensitization, hazard category 1
Acute toxicity (inhalation), hazard category 4
Carcinogenicity, hazard category 2
Specific target organ toxicity (repeated exposure), hazard category 2
Chronic aquatic toxicity, hazard category 3

H302 Harmful if swallowed.

Cat.: 4

H317 May cause an allergic skin reaction.

Cat.: 1

H332 Harmful if inhaled.

Cat.: 4

H351 Suspected of causing cancer.

Cat.: 2

H373 May cause damage to organs through prolonged or repeated exposure.

Cat.: 2

H412 Harmful to aquatic life with long lasting effects.

Cat.: 3

Possible Environmental Effects:

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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:



GHS07



GHS08-2

Signal word:

Danger

Hazard designation:

H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
H332	Harmful if inhaled.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.

Safety designation:

P260a	Do not breathe dust.
P273	Avoid release to the environment.
P280	Wear protective gloves/ clothing/ eye/ face protection.
P284	Wear respiratory protection.
P301+P310	If swallowed: Immediately call a poison center or physician.
P303+P361+P353	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses and continue rinsing.
P314	Get medical advice/attention if you feel unwell.
P405	Store locked up.

Hazardous components for labelling:

2.3. Other Hazards

Restricted to professional users.

3. Composition/Information on Ingredients

3.1. Substance

3.2. Mixture

Chemical Characterization:

*Glass, oxide (colored glass): CAS No. 65997-17-3, EINECS 266-046-0
Inorganic product of fusion.
All components are bound by vitrification.*

Information on Components / Hazardous

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Ingredients:

Lead monoxide (Repr. 1A, H302-332-351-360-362-372-410); REACH Reg.No. 01-2119531110-62-0014	1 - 40 %	CAS-Nr: 1317-36-8 EINECS-Nr: 215-267-0 EC-Nr: 082-001-00-6
Cobalt oxide (H302-332-400); REACH Reg. No. 01-2119513794-36-xxxx	0 - 9 %	CAS-Nr: 1307-96-6 EINECS-Nr: 215-154-6 EC-Nr:
Nickel oxide (317-350i-372-413)	0 - 5 %	CAS-Nr: 1313-99-1 EINECS-Nr: 215-215-7 EC-Nr:
Cadmium oxide (H301-302-331-372-350i)	0 - 5 %	CAS-Nr: 1306-19-0 EINECS-Nr: 215-146-2 EC-Nr:
Diarsenic trioxide (H300-314-350-410)	0 - 5 %	CAS-Nr: 1327-53-3 EINECS-Nr: 215-481-4 EC-Nr:
Diantimony trioxide (H351); REACH Reg. No. 01-2119475613-35	0 - 5 %	CAS-Nr: 1309-64-4 EINECS-Nr: 215-175-0 EC-Nr:
Selenium (H301-373-413)	0 - 4 %	CAS-Nr: 7782-49-2 EINECS-Nr: 231-957-4 EC-Nr:
Manganese(IV) oxide (H302-332-373); REACH Reg. No. 01-2119452801-43	0 - 20 %	CAS-Nr: 1313-13-9 EINECS-Nr: 215-202-6 EC-Nr: 025-001-00-3
Zinc oxide (H400-410); REACH Reg. No. 01-2119463881-32-0000	0 - 15 %	CAS-Nr: 1314-13-2 EINECS-Nr: 215-222-5 EC-Nr: 030-013-00-7
Barium oxide (H302); REACH Reg. No. 01-2119489177-25-0000	0 - 12 %	CAS-Nr: 1304-28-5 EINECS-Nr: 215-127-9 EC-Nr:

Additional information:

4. First Aid Measures

4.1. Description of the First Aid Measures

General information:

Remove contaminated clothes immediately.

After inhalation:

Consult physician immediately.

Give artificial respiration in case breathing is not regular or if it has stopped.

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After skin contact:

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

After eye contact:

Rinse open eyes with plenty of water and call a physician.

After ingestion:

Do not induce vomiting. Consult physician immediately.

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

Symptoms:

No further information available.

Effects:

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

Treatment:

Seek medical attention after eye contact and after swallowing.

5. Fire-Fighting Measures

5.1. Extinguishing Media

Suitable extinguishing media:

CO₂, water spray.

Unsuitable extinguishing media:

5.2. Special Hazards arising from the Substance or Mixture

Special hazards:

Do not inhale explosion gases or combustion gases.

The combustion produces a dense smoke.

5.3. Advice for Firefighters

Protective equipment:

Wear self-contained respiratory protective device.

Further information:

Collect contaminated extinguishing water and debris separately; avoid contamination of sewage system.

6. Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions:

Wear protective clothing.

Ensure adequate ventilation.

Respiratory protection in case of formation of vapors/dust/aerosol.

6.2. Environmental Precautions

Environmental precautions:

Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

6.3. Methods and Material for Containment and Cleaning Up

Methods and material:

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Remove remains with water.

6.4. Reference to other Sections

Protective clothing, see Section 8.

See Section 13 for information on disposal.

7. Handling and Storage

7.1. Precautions for Safe Handling

Instructions on safe handling:

Avoid skin and eye contact as well as inhalation of vapors.

Hygienic measures:

Take off contaminated clothing immediately. Store working clothing separately.

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

7.2. Conditions for Safe Storage, including any Incompatibilities

Storage conditions:

Store in a cool and dry place.

Requirements for storage areas and containers:

Information on fire and explosion protection:

Do not store together with: foodstuffs and animal feed.

Storage class:

Further Information:

7.3. Specific End Use(s)

Further information:

8. Exposure Controls/Personal Protection

8.1. Parameters to be Controlled

Parameters to be controlled (DE):

Glass; oxide (CAS 65997-17-3), TLV (TRGS 900): 0.1 mg/m³ (long-term value); 0.1 mg/m³ (short-term value)

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 in case of dust formation.

Personal Protection

General protective measures:

Avoid contact with skin, eyes and clothing.

Keep away from foodstuffs and drinks. Do not eat, drink or smoke next page: 6

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during work. Wash hands before breaks and at the end of work.

Respiratory protection:

Respiratory equipment required in case of insufficient ventilation, filter type P3.

Hand protection:

Protective gloves (EN 374)

Pre-clean the used gloves before removing them and then store these well ventilated. Skin protection (cleaning, care cream).

Protective glove material:

Nitrile rubber (> 480 min, 0.11 mm).

Eye protection:

Tightly fitting safety goggles (EN 166).

Body protection:

Protective clothing.

Environmental precautions:

Prevent contamination of open water ways and sewage system. Avoid contamination of ground water.

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

Form: powder

Color: colorless to colored

Odor: odorless

Odor threshold:
not relevant

pH-Value:
not applicable

Melting temperature: 420 - 530°C

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

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Vapor density:

This product is a non-volatile solid.

Density:

2.4 - 3.3 g/cm³

Solubility in water:

insoluble

Coefficient of variation (n-Octanol/Water):

not applicable

Auto-ignition temperature:

not applicable

Decomposition temperature:

not applicable

Viscosity, dynamic:

not applicable

Explosive properties:

not applicable

Oxidizing properties:

none

Bulk density:

1.4 - 2.2 kg/dm³

9.2. Further Information

Solubility in solvents:

Viscosity, kinematic:

Burning class:

Solvent content:

Solid content:

Particle size:

Other information:

Flow point: > 900°C

Softening point: > 580°C

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

Unknown.

10.4. Conditions to Avoid

Conditions to avoid:

No information available.

Thermal decomposition:

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10.5. Incompatible Materials

Strong acids.
Strong reducing agents.

10.6. Hazardous Decomposition Products

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

10.7. Further Information

11. Toxicological Information

11.1. Information on Toxicological Effects

Acute Toxicity

No information available.

LD50, oral:

LD50, dermal:

LC50, inhalation:

Primary effects

Irritant effect on skin:

No information available

Irritant effect on eyes:

No information available.

Inhalation:

No information available.

Ingestion:

No information available

Sensitization:

No relevant data found.

Mutagenicity:

No relevant data found.

Reproductive toxicity:

No relevant data found.

Carcinogenicity:

No relevant data found.

Teratogenicity:

No relevant data found.

Specific target organ toxicity (STOT):

Repeated exposure: no information available.

Single exposure: no information available.

Additional toxicological information:

Aspiration hazard: no data available

12. Ecological Information

12.1. Aquatic Toxicity

No information available.

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Fish toxicity:

Daphnia toxicity:

Bacteria toxicity:

Algae toxicity:

12.2. Persistency and Degradability

No information available.

12.3. Bioaccumulation

No information available.

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:

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

Behaviour in sewage systems:

Further ecological effects:

Do not let product enter waterways or sewage system.

AOX Value:

13. Disposal Considerations

13.1. Waste Treatment Methods

Product:

Small quantities can usually be disposed of at landfills.

Large quantities of the product should not be disposed of on landfill sites.

European Waste Code (EWC):

Uncleaned packaging:

Dispose of according to official local regulations.

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

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Hazard no.:

Classification code:

Tunnel restriction code:

IMDG Class (sea):

Hazard no.:

EmS No.:

IATA Class:

not applicable

Hazard no.:

14.4. Packaging Group

ADR/RID:

not applicable

IMDG:

IATA:

14.5. Environmental Hazards

no

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

Do not store together with foodstuffs.

15. Regulatory Information

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

Water hazard class:

2, hazardous for water (German Regulation)

Local regulations on chemical accidents:

Employment restrictions:

Restriction and prohibition of application:

Restricted to professional users!

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

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.