

59800 Glass Bubbles

Edition: 23.03.2000

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product Information:

Product Name: Glass Bubbles
Article no.: 59800
Application: Artists' and Restoration Material

Company: Kremer Pigmente GmbH & Co. KG
Hauptstrasse 41-47, D - 88317 Aichstetten
Tel. +49 7565 914480 Fax. +49 7565 1606
www.kremer-pigmente.de, kremer-pigmente@t-online.de

2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Characterization:

Bubbles of lead glass (lead content as PbO: 24.7 %)

Hazardous contents: none

3. HAZARD IDENTIFICATION

Not hazardous.

4. FIRST AID MEASURES

General information: No special measures required.
After eye contact: Carefully remove particle from eye, if necessary remove contact lens. Rinse open eye for several minutes under running water and consult physician.
After ingestion: If swallowed plenty of material consult physician.
Information for physician: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Use fire fighting measures that suit the environment.
Protective equipment: No special measures required.

6. ACCIDENTAL RELEASE MEASURES Person-

related safety measures: Avoid causing dust.
Measures for environmental

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protection: No special measures required.
Methods of cleaning/adsorption: Collect mechanically and if possible reuse material. Avoid causing dust when cleaning.

7. HANDLING AND STORAGE

Handling

Instructions on safe handling: Prevent formation of dust. Increased risk of falling due to spilled material.

Storage

Requirements for storage areas and containers:

No special requirements.

Advice on storage compatibility: Do not store together with products belonging to storage group 1 (Explosive Material), 5.1A (Inflammable Material) and 6.2 (Infective Material). Special regulations are valid for storage with products belonging to storage groups 5.1C and 7.

Storage group: 13 (not inflammatory solids)

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Additional information about design of technical systems:
No further data.

Components with critical values that require monitoring at the workplace:
Not required.

Personal protective equipment:

General protective measures: Do not inhale dust. Avoid contact with eyes.

Hygiene measures: Do not eat, drink or smoke while working. Wash hands before breaks and after work.

Respiratory protection: Dust mask.

Eye protection: Tightly sealed safety glasses.

Hand protection: Protective gloves.

Body protection: Protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: spherical
Color: crystal clear
Odor: odorless

Changes in physical state:

Melting point/Melting range: 470°C

Inflammability (solid, gaseous): product is not inflammable

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Danger of explosion:	none
Vapor pressure:	negligible
Density:	2.95 g/cm ³
Solubility in water:	Insoluble in standard solvents. Hydrolyte group 3 (DIN ISO 719) Acid group 3 (DIN 12116) Resistant to alkalis 3 (DIN ISO 695)
Particle size:	approx. 0.5 mm

10. STABILITY AND REACTIVITY

General information:	product is stable
Hazardous reactions:	none
Hazardous decomposition products:	None

11. TOXICOLOGICAL INFORMATION

Product is not toxic.

12. ECOLOGICAL INFORMATION

Generally not hazardous for water. At present there are no ecotoxicological assessments.

13. DISPOSAL CONSIDERATIONS

Product:	If possible reuse product residues.
Uncleaned packaging:	Not contaminated packaging can be used again. Cleaning agent: water.

14. TRANSPORT INFORMATION

Non-hazardous according to ADR/GGVS, RID/GGVE, ICAO/IATA, IMDG.

15. REGULATORY INFORMATION

Designation according to EC guidelines: The material is not subject to classification according to EC lists.

National Regulations (D):
Occupational regulation: none

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Technical air regulation: Treat like total dust: 50 mg/m³ (mass stream > 0.5 kg/h), resp.
150 mg/m³ (mass stream ≤ 0.5 kg/h).

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 therefore not be construed as guaranteeing specific properties.