

59832 Glass Bubbles, 0-50 µ

Edition: 08.09.2003

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

Product Information:

Product Name: Glass Bubbles, very fine, 0 - 50 µ

Article No.: 59832

Application: Artists' and Restauration Material

Company: Kremer Pigmente GmbH & Co. KG
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Tel. +49 7565 91120 Fax. +49 7565 1606
www.kremer-pigmente.de, kremer-pigmente@t-online.de**2. COMPOSITION / INFORMATION ON INGREDIENTS**

Chemical Characterization:

SiO ₂	72,5 %
NaO	13.7 %
CaO	9.8 %
MgO	3.3 %
Al ₂ O ₃	0,4 %
FeO/Fe ₂ O ₃	0,2 %
K ₂ O	0,1 %

CAS-No.: 65997-17-3

EINECS-No.: 266-046-0

3. HAZARD IDENTIFICATION

Can cause irritation of eyes and respiratory system when the MAC (maximum workplace concentration) value is exceeded.

4. FIRST AID MEASURES

General information:	No special measures required.
After inhalation:	Supply fresh air.
After skin contact:	Wash off with soap and water.
After eye contact:	Rinse open eye for several minutes under running water
After ingestion:	No hazards known.

5. FIRE-FIGHTING MEASURES

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

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6. ACCIDENTAL RELEASE MEASURES

Person-related safety measures: Avoid causing dust. Wear protective clothing.
Measures for environmental 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: Keep bags and containers tightly closed. Store dry.
Storage group: 10-13

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:
Max. dust level: 5 mg/m³ (no free SiO₂, all components are amorphe/not crystalline).

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: Not required.
Body protection: Protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: solid
Color: crystal clear
Odor: odorless

Changes in physical state:
Softening point: approx. 730°C
Inflammability (solid, gaseous): product is not inflammable
Danger of explosion: none
Density: approx. 2.6 g/cm³ (20°C)
Solubility in water: Insoluble in standard solvents.

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Particle size: 150 - 210 μ

10. STABILITY AND REACTIVITY

General information: product is stable

11. TOXICOLOGICAL INFORMATION

Product can cause irritating effects on eyes and respiratory system at dust levels above the maximum recommended limits.

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

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.