



SAFETY DATA SHEET

Version: 10 / EN

Revision Date: 03.02.2023

ELMINAS SPHERES®

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

1.1. Product Identifier

Commercial product name ELMINAS SPHERES®
HGMS (Hollow Glass Microspheres)

1.2. Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Use Lightweight filler.
Use advised against None.

1.3. Details of the Supplier of the Product Safety Information

Company designation ELEMENT MINERAL A.S.
Konutkent Mah. 3028 Cad. No: 2C/ 20
06810 Ankara/ Türkiye
E-mail (competent person) info@elminas.com

1.4. Emergency Telephone Number

Emergency telephone number +90 (312) 504 51 15
Mobile +90 533 931 29 56

2. Hazards Identification

2.1. Hazard Classification

Not classified as hazardous according to OSHA Hazard Communication Standard, 29 CFR 1910.1200.

2.2. Label Elements

Signal Word Not applicable.
Symbols Not applicable.
Pictograms Not applicable.

3. Product Composition / Information on Ingredients

3.1. Chemical Characterization

Synonym Hollow Glass Microspheres
CAS no. 65997-17-3

4. First Aid Measures

4.1. Description of First Aid Measures

General Advice	In all cases of doubt, or when symptoms persist, seek medical advice.
If inhaled	Remove to fresh air. If signs develop, get medical attention.
In case of skin contact	Immediately flush skin with large amounts of water. If signs persists, get medical attention.
In case of eye contact	Immediately flush eyes with large amounts of water. If signs persists, get medical attention.
Ingestion	Do not induce vomiting. Give victim two glass of water. Never give anything by mouth to an unconscious person. Get medical attention.

4.2. Indication of any Immediate Medical Attention and Special Treatment Needed

Immediate medical attention	First Aid, decontamination, treatment or symptoms.
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5. Fire & Explosion Data

5.1. <u>Fire</u>	Not considered to be a fire hazard.
5.2. <u>Explosion</u>	Not considered to be an explosion hazard.
5.3. <u>Fire Extinguishing Media</u>	Use any means suitable for extinguishing surrounding fire.
5.4. <u>Special Fire Fighting Procedures</u>	Wear full protective clothing and self-contained breathing apparatus (SCBA).

6. Accidental Release Measures

Ventilate area of leak or spill. Wear appropriate personal protective equipment and use respiratory protection equipment. Collect as much of the spilled material as possible. Use wet sweeping compound or water to avoid dusting sweep up. Clean up residue. Place in a closed container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible.

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal precautions	Avoid generation and breathing of dust. Avoid contact with skin and eyes. If the dust concentration in workplace air exceeds the occupational exposure limit values, approved and suitable respiratory protection must be used.
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6.2. Environmental Precautions

Environmental precautions	The product is not classified as dangerous to the environment. Spillage to ground or water systems should be avoided as it floats on the water surface.
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6.3. Methods and Materials for Containment and Cleaning Up

Methods for cleaning up

Dust must be exhausted directly at the point of origin. Use approved industrial vacuum cleaner for removal. To clean the floor and all objects contaminated by this material, use plenty of water. Retain contaminated washing water and dispose it.

6.4. Reference to Other Sections

Reference to other sections

See Protective Measures sections 7 and 8.

7. Handling and Storage

7.1. Precautions for Safe Handling

Advice on safe handling

Keep container tightly closed and in a well-ventilated place. Carry out filling operations only at stations with exhaust ventilation facilities. Avoid generation of dust. Do not eat, drink or smoke when using this product. Do not breathe dust. If dust concentration in workplace air exceeds the occupational exposure limit values, approved and suitable respiratory protection must be used.

Advice on protection against fire and explosion

No special fire protection measures are necessary. The product is not combustible, oxidizing, and/or explosive.

7.2. Conditions for Safe Storage, Including and Incompatibilities

Storage

Store under normal warehouse conditions.

8. Exposure Controls / Personal Protection

8.1. Engineering Controls

Use with appropriate local exhaust ventilation. Provide local exhaust ventilation at transfer points. Conduct air monitoring to determine adequacy of ventilation. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits and/or control dust, fume or airborne particles. If ventilation is not adequate, use respiratory protection equipment.

8.2. Personal Protective Equipment

Eye / face protection

Avoid eye contact.
The following eye protections are recommended: Safety Glasses with side shields.

Skin protection

Avoid skin contact.
Select and use gloves and / or protective clothing to prevent skin contact based on the results of an exposure assessment. Consult with your glove and / or protective clothing manufacturer for selection of appropriate compatible materials.
Gloves made from the following materials are recommended: Neoprene, Nitrile Rubber.

Respiratory protection

Avoid breathing of dust.
Select one of the following NIOSH approved respirators based on airborne concentration of contaminants and in accordance with OSHA regulations. Half facepiece or fullface air-purifying respirator with N95 particulate filters.

Prevention of swallowing

Do not eat, drink or smoke when using this product. Wash exposed areas with soap and water.

9. Physical and Chemical Properties

9.1. Information on Basic Physical and Chemical Properties

Physical state	Solid
Appearance	Low density white powder
Colour	White
Odour	Odourless
pH value	8.0 - 9.5
Melting point (°C)	NA
Boiling point (°C)	NA
Flash point (°C)	NA
Specific gravity g/cm ³)	0.2 - 0.6
Vapor Density	NA
Solubility in water	Negligible

10. Stability and Reactivity

10.1. Stability

Stability Stable under ordinary conditions of use and storage.

10.2. Reactivity

Reactivity The product is stable if stored and handled as advised.

10.3. Hazardous Decomposition Products

Hazardous decomposition products None.

10.4. Hazardous Polymerization

Hazardous polymerization Will not occur.

11. Toxicological Information

11.1 Acute Date

When tested for primary irritation potential, this material caused eye irritation.

11.2 Special Studies

This material is not listed by IARC, NTP or OSHA as a carcinogen.

12. Ecological Information

12.1. Environmental Fate

Environmental fate No information found.

12.2. Environmental Toxicity

Environmental toxicity No information found.

13. Disposal Considerations

13.1. Classification

Classification Disposed material is not a hazardous waste.

13.1. Disposal Method

Disposal method Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing use or contamination of this product may change the waste management options. Dispose of container and unused contents in accordance with state and local requirements.

14. Transport Information

14.1. Transport Information

This material is not regulates hazardous material for transportation.

According to IATA DGR, this product can be classified as "Not Restricted, As Per Special Provision A3"

15. Regulatory Information

No specific provisions.

User should refer to any national measures that may be relevant.

15.1. Safety, Health and Environment Regulations / Legislations Specific for the Substance or Mixture

Additional regulations Specific national regulations must be considered.

Water hazards class (self-classification) Non-hazardous to water (nwg).

16. Other Information

HS Commodity: 7018200090

16.1. General Information

Reasons for amendments: Harmonization of version numbers

Replaces version dated: 15.01.2022

16.2. Legal Disclaimer

The information given in this SDS is to the best of ELEMENT MINERAL knowledge and believed accurate and reliable as of the data indicated. However, no representation, warranty or guarantee is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.