



SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

- 1.1 Product identifier: I-Series, T-Series, & U-Series Glass Microspheres
Product Name: Soda-Lime Glass Microspheres, Solid Glass Microspheres, Glass Beads, Glass Spheres
CAS: 65997-17-3 / EC: 266-046-0/ REACH No. Glass exempt from EU registration
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
Identified use(s) Glass filler, Bead blasting, Glass media, etc.
Uses advised against: Not identified.
- 1.3 Company name, address, phone, and e-mail: Novum Glass LLC
13150 Sterling Hills Drive, Rolla, MO 65401. Phone: 573-308-0380, e-mail: novum@novumglass.com
- 1.4 Emergency telephone number: 573-308-0380 (USA)

SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture: Not classified as dangerous for supply/use
This product does not meet the criteria for classification in any hazard class according to OSHA 29 CFR 1910.1200 nor EU Regulation (EC) No 1272/2008 on classification, labeling and packaging (CLP) of substance or mixtures.
- 2.2 Not classified as hazardous according to OSHA Hazard Com.Standard 29 CFR1910.1200
Label elements: None. Not required per EU Regulation (EC) No 1272/2008 (CLP)
Signal Word: None. Not Applicable
- 2.3 Other hazards: Dust may cause irritation to eyes and skin. Spilled material is slippery.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Chemical Name and Ingredient(s): Glass oxide, Glass (100 %)	CAS No: 65997-17-3
EC No. 266-046-0 / REACH Registration: Exempt status	EC Classification and Risk Phrases: Not applicable
Soda- Lime Glass (wt %): SiO ₂ (67-75%), Na ₂ O (10-20%), CaO (6-15%), MgO (1-5%), Al ₂ O ₃ (0-5%)	

3.2 Mixtures : Not Applicable

SECTION 4: FIRST AID MEASURES

- 4.1 Description of first aid measures
Eye Contact: Irrigate with eyewash solution or clean water for at least 15 minutes, If symptoms persist, obtain medical attention.
Skin contact: Wash affected skin with plenty of water. If symptoms occur obtain medical attention.
Inhalation : In case of small particle inhalation, remove casualty to fresh air. If symptoms develop, obtain medical attention.
Ingestion: Rinse mouth with water. For large quantities swallowed seek medical advice/attention.
- 4.2 Most Important symptoms or effects. See Section 11.1 Information on toxicological effects.

SECTION 5: FIRE-FIGHTING MEASURES

- 5.1 Not a fire hazard. Non-combustible.
- 5.2 Special hazards arising from substance or mixture: None known.
- 5.3 Special protective actions for firefighter: No special protection is required.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- 6.1 Vacuum or sweep up spilled material to prevent slipping hazards. Avoid generation of dust.

SECTION 7: HANDLING AND STORAGE

- 7.1 Precautions for safe handling
Avoid contact with eyes, skin and clothing. Avoid generation of dust.
Wash thoroughly after handling.
- 7.2 Condition for safe storage
Keep container tightly closed and dry.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters: Used for handling large quantities of material.
Substance: Glass oxide; Glass
Occupational Exposure Limits: OSHA PEL:15 mg/m³ total dust / 5 mg/m³ respirable;
ACGIH TLV :10 mg/m³ total dust / 3 mg/m³ respirable

8.2 Exposure Controls

8.2.1 Engineering Controls: When creating dust, use with adequate ventilation to ensure exposure levels are maintained below the limits provided above.

8.2.2 Personal Protection



Eye/face Protection	Wear safety glasses or goggles
Respiratory Protection	Use respiratory protection for dust-intensive work. NIOSH approved dust respirators or dust mask.
Skin Protection	Wear gloves. Wash hands thoroughly after use

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical State.....Solid Spherical Particle	Color.....Colorless	Odor.....Odorless
Solubility (Water).....Insoluble.	Specific Gravity..... 2.5	Softening PointApprox 650°C

The following information is not applicable to this product:

Upper/lower flammability or explosive limits; Odor threshold; Vapor pressure; Vapor density; pH; Initial boiling point and boiling range; Flash point; Evaporation rate; Flammability (solid, gas); Partition coefficient: n-octanol/water; Auto-ignition temperature; Decomposition temperature; and Viscosity.

9.2 Other Information: Hazardous Classes: None

SECTION 10: STABILITY AND REACTIVITY

10.1 Information on Stability and Reactivity

Reactivity: Stable under normal conditions.	Chemical stability: Stable under normal conditions.	Possibility of hazardous reactions: Not applicable.
Conditions to avoid: Creating dust.	Incompatible materials: Avoid strong acids.	Hazardous decomposition: Not applicable

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Ingestion: The acute oral toxicity of this product has not been tested.	Skin Contact: Dust can cause mechanical irritation.
Inhalation: Inhalation may cause irritation to the mucous membranes.	Eye Contact: Dust can cause mechanical irritation.
Carcinogenicity Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.	Sensitization: Not Sensitizing

SECTION 12: ECOLOGICAL INFORMATION

12.1 No environmental hazards have been reported or known. Not classified as PBT or vPvB.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Product is considered non hazardous. Dispose according to local, state, and national legislation.

SECTION 14: TRANSPORT INFORMATION

14.1 Proper Shipping Name; NOT CLASSED AS DANGEROUS FOR TRANSPORT; Hazard Class: not relevant

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulation/legislation specific for the substance or mixture

This product does not meet the criteria for classification in any hazard class according to OSHA 29 CFR 1910.1200 nor EU Regulation (EC) No 1272/2008 on classification, labeling and packaging (CLP) of substance or mixtures. TSCA Inventory Status: Reported/included. AICS Inventory Status: Reported/included. DSL/NDSL Inventory Status: Reported/included. There is no CERCLA Reportable quantity for this material. Contains no SARA Title III, Section 313 notification chemical present at or above the de minimus level. WHMIS/GHS Classification (Canada): Non-Hazardous under WHMIS. Not Classified as PBT or vPvB. HMIS Rating; Health– 0, Flammability– 0, Reactivity – 0

SECTION 16: OTHER INFORMATION

This is Rev.E created 05/07/24 to clarify the glass microspheres are not hazardous particles. Rev.D dated 02/20/23. created per EU 2020/878. Rev.C SDS reviewed only 01/09/23. Previous 09/23/20 Rev. 2 (HCS). Previously MSDS 02/15/2016. Disclaimer: The information and recommendations herein are based upon data believed to be correct for material as shipped. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to this information.