



Safety Data Sheet

Section I – Identification

Product Name: AeroAggregates

Manufacturer/Supplier:

AERO Aggregates
1500 Chester Pike
Eddystone, PA 19022

Information Number: +1 610 447 8900
CHEMTREC: +1 800 424 9300

Emergency Contact: Herb Northrop, Chief Operating Officer
Emergency Number: +1 215 370 1575

Generic Name: Closed Cell Foam Glass

Use: Multiple. Primary use as a lightweight, structural aggregate.

Chemical Family: Mixture

General Comments: General and emergency information available 8:00 AM – 5:00 PM Monday through Friday.

CHEMTREC telephone number is to be used only in the chemical transportation emergencies involving spill, leak, fire, exposure, or accident involving chemicals. All non-emergency questions should be directed to technical service.

Section II – Hazard(s) Identification

Hazard Classification: Potential Irritant

Signal Word: **CAUTION**

Hazard Statement: Dust in contact with skin may cause irritation.
Direct contact of dust with eyes may cause eye irritation.

Hazardous Polymerization: Will Not Occur

Routes of Exposure: Dust inhalation if propagated, skin, eyes and ingestion.



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Immediate Effects:

Inhalation: No adverse effects are expected. May cause respiratory irritation. Non-Detectable crystalline silica.

Skin Contact: Irritation from glass particles.

Eye Contact: Contact can cause dramatic irritation, inflammation of the mucous membrane, tearing, and sensitivity to light.

Ingestion: May be harmful if ingested, although this is not likely route of entry. Ingestion can cause possible abrasion of mouth and throat from glass particles.

Medical Conditions Aggravated By Exposure:

Acute: Preexisting skin and eye disorders may be aggravated by direct contact to this product.

Chronic: Prolonged or repeated overexposure to airborne glass dust can lead to inflammation of lung tissue, but crystalline silica is non-detectable through previous sampling and published composition(s) of soda-lime glass.

Carcinogenicity: There are no components in this product that are listed as a carcinogen by NTP, IARC, ACGIH, or OSHA.

Section III – Composition/Information on Ingredients

Chemical Name	Wt. %	CAS#
Silica, Amorphous	70 – 80	60676-86-0
Sodium Oxide	10 – 15	1313-59-3
Calcium Oxide	5 – 10	1305-78-8
Aluminum Oxide	1 – 2	1344-28-1
Potassium Oxide	0.1 – 1	12136-45-7
Magnesium Oxide	0.1 – 1	1309-48-4
Iron Oxide	0.1 – 1	1309-37-1
Silica, Crystalline	< 1	14808-60-7



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Section IV – First Aid Measures

Inhalation:	Move exposed individual to fresh air. Encourage person to cough, spit out, and blow nose to remove dust. If breathing is difficult, seek medical attention. If needed, call poison center, physician, or emergency medical service if needed. Note, non-detectable crystalline silica, less than 0.1%.
Skin Contact:	Wash thoroughly without pressure. If irritation persists or skin is broken, consult physician.
Eye Contact:	Flush with potable water for 15 minutes, do not rub or apply pressure. Consult physician or emergency medical service.
Ingestion:	An unlikely route of entry. Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Call a physician.
Comments:	Show this Safety Data Sheet to physician in attendance.

Section V – Fire Fighting Measures

Suitable Extinguishing Media:	Fine Water Spray, CO ₂ , Dry Chemical, Foam. If entering a confined area, use self-contained breathing apparatus.
Unusual Fire and Explosion Hazards:	None. This product is not flammable or combustible.
Hazardous Combustion Products:	None known.
Hazardous Decomposition Products:	None known.



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Section VI – Accidental Release Measures

Precautions for Personnel: Avoid direct contact with eyes. Wash thoroughly after handling and before eating or drinking.

Environmental Precautions: All in accordance with local, state, and federal government regulations.

Section VII – Handling

General Procedures: Avoid inhalation of dust and contact with skin and eyes. Use only with adequate ventilation. Use work methods that minimize dust propagation. Keep workplace clean. Observe food industrial hygiene practices.

Handling: Limit generation of dust. Wash hands before other activities such as, but not limited to, eating or other functions that involve hand to potential exposure pathways.

Section VIII – Exposure and Personal Protection

Exposure Guidelines: If exposed to particulate dust above recommended limits, wear a suitable NIOSH-approved respirator with a protection factor appropriate for the level of exposure. Seek guidance from a qualified industrial hygienist or safety professional, prior to respirator selection and use.

Engineering Controls: If cutting, grinding, crushing, or drilling AeroAggregates, maintain airborne dust concentrations below regulatory limits. Processes and controls that may aid in controlling airborne respirable dust include wet suppression, ventilation, process enclosure, and enclosed employee work station.



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Personal Protective Equipment:

- Eye Protection:** If cutting, grinding, crushing, or drilling AeroAggregates, wear safety glasses with side shields or dust goggles.
- Skin Protection:** Wear gloves for abrasion protection. Wear normal protective work clothing.
- Respiratory Protection:** Use nuisance dust mask when cutting or abrading with adequate ventilation. Seek guidance from a qualified industrial hygienist or safety professional, prior to dust mask/respirator selection and use.

Environmental Exposure Control:

If available, use local exhaust when cutting.

Work/Hygienic Practices:

Avoid contact with eyes and skin. Wash thoroughly after handling and before eating or drinking.

Special Precautions:

Respirable dust particles may be generated by crushing, cutting, grinding, or drilling AeroAggregates. Follow protective controls listed in the Exposure Guidelines above when handling product.

Comments:

Proper and safe use of the material is solely the purchaser's responsibility. The manufacturer extends no warranties and make no representations as to the suitability of the product for the purchaser's intended purpose or the consequences of purchaser's actions.



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Section IX – Physical Properties

Appearance:	Grey cellular solid	Flash Point: °C (°F) TCC	NA
Odor:	No odor	Ignition Temperature: °C (°F)	NA
Odor Threshold:	NA	Evaporation Rate (BuAC=1)	NA
pH	NA	Flammability:	Non-Flammable
Melting Point: °C (°F)	732 (1350)	Flammable Limits: LEL	NA
		UEL	NA
Boiling Point: °C (°F)	NA	Vapor Pressure: (MM Hg): pH	NA
Solubility in Water:	Insoluble	Vapor Density: (Air = 1)	NA
Partition Coefficient: n-octanol/water:	NA	Specific Gravity: (H ₂ O = 1)	≈ 1
Viscosity	NA	Evaporation Rate: (BuAC = 1)	NA
VOC: g/l (lbs./gal)	0.0 (0.0)	Percent Volatile By Volume: (%)	NA

Section X – Stability and Reactivity

Reactivity:	Hazardous reaction will not occur under normal conditions.
Stability:	Stable
Possibility of Hazardous Reactions:	Hazardous reaction will not occur.
Conditions to Avoid:	NA
Materials to Avoid:	NA
Decomposition Products:	None
Incompatible Materials:	Hydrofluoric acid

Section XI – Toxicological Information

Eye Effects:	May cause eye irritation.
Skin Effects:	May cause skin irritation.
Chronic:	Frequent inhalation of dust should be avoided.



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Carcinogenicity

IARC: Glass (CAS No. 60676-86-0) is listed as Group 3 – no evidence that it causes cancer.

NTP: Glass (CAS No. 60676-86-0) is not listed by the National Toxicology Program in their Annual Report.

OSHA: Glass (CAS No. 60676-86-0) is not listed by NIOSH on their Occupational Cancer List.

Notes:

Glass (CAS 60676-86-0) is not listed by ACGIH.

Corrosivity: None known

Sensitization: Not a skin or respiratory sensitizer.

Neurotoxicity: None known

Genetic Effects: None known

Reproductive Effects: None known

Target Organs: Irritation of eyes and mucous membranes may be caused through exposure to significant dust upon crushing.

Teratogenic Effects: None known

Mutagenicity: None known

Comments: Although manufacturer has taken reasonable care in the preparation of this Safety Data Sheet, no warranties are made. Manufacturer makes not representations and assumes no responsibility as to the accuracy or suitability of the Safety Data Sheet for the applications intended by the purchasers.



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Section XII – Ecological Information

Environmental Data: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Ecotoxicological Information: This product is not classified as environmentally hazardous.

Section XIII – Disposal Considerations

Disposal Method: Dispose of waste material in accordance with all local, regional, national, provincial, territorial, and international regulations.

Section XIV – Transport Information

Special Shipping Information: Not regulated

DOT Shipping Class: Not regulated

TDG: Not regulated

IATA: Not regulated



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Section XV – Regulatory Information

US Regulatory Information

OSHA 29 CFR 1910-1200

TSCA

Potential Irritant

Components of this product are listed on TSCA Inventory

SARA Title III:

SARA SECTION 302: None

SARA SECTION 304: NA

SARA (311, 312) HAZARD CLASS: None

SARA (313) CHEMICALS: None

CERCLA:

NA

RCRA:

Refer to section 13

CPSC CLASSIFICATION:

NA

HMIS: FLAMMABILITY: 0

REACTIVITY: 0 HEALTH: 0

NFPA: FLAMMABILITY: 0

REACTIVITY: 0 HEALTH: 0

WHMIS CLASSIFICATION:

Potential Irritant

Section XVI – Other Information

Prepared in accordance with 29 CFR 1910.1200

Version 1.0

Dated 18 October 2017

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