

Safety Data Sheet (SDS) for Foam Glass Aggregate

Section 1: Identification

Product Name: Foam Glass Aggregate (Cellular Glass Aggregate)

Product Use: Construction, Insulation, Lightweight Fill

Manufacturer Information:

Company Name: United Concrete & Gravel Ltd.

Address: Address 1279 Sword Ave, Quesnel, BC V2J 7H2

Telephone: Phone +1 250 992 7281

Emergency Contact: **+1-888-992-7281**

Section 2: Hazard Identification

GHS Classification: Not classified as hazardous

GHS Label Elements: No pictogram required

Hazard Statements: Not applicable; product is non-hazardous

Precautionary Statements:

P261: Avoid breathing dust

P280: Wear eye protection in dusty environments

P305 + P351 + P338: If in eyes, rinse cautiously with water for several minutes; remove contact lenses if present and easy to do

Section 3: Composition/Information on Ingredients

Chemical Composition: Recycled Glass (100%)

CAS Number: 65997-17-3 (Glass)

Impurities: Small amounts of foaming agents, typically <1% of SiCa

Section 4: First Aid Measures

Inhalation: Move to fresh air. If breathing is difficult, seek medical attention.

Skin Contact: Rinse with water. Seek medical attention if irritation develops.

Eye Contact: Rinse with water for several minutes. If irritation persists, seek medical attention.

Ingestion: Not typically hazardous; however, if discomfort occurs, seek medical advice.

Section 5: Fire-Fighting Measures

Flammability: Non-flammable

Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding materials

Special Protective Equipment: Standard firefighting equipment

Special Hazards: None

Section 6: Accidental Release Measures

Personal Precautions: Avoid generating dust. Wear a dust mask in dusty environments.

Environmental Precautions: Product is non-toxic and inert.

Cleanup Methods: Sweep up material and collect for reuse or disposal in accordance with local regulations.

Section 7: Handling and Storage

Handling: Minimize dust generation. Use PPE such as a dust mask if dust is present.

Storage: Store in a dry, ventilated area.

Section 8: Exposure Controls / Personal Protection

Exposure Limits: Treat as a nuisance dust; use local limits where available (e.g., 10 mg/m³ for total dust).

Engineering Controls: Use local ventilation to minimize dust.

Personal Protective Equipment (PPE):

Respiratory Protection: Use a dust mask (e.g., N95) if dust levels are high.

Eye Protection: Safety glasses or goggles in dusty conditions.

Skin Protection: Use gloves if handling for prolonged periods.

Section 9: Physical and Chemical Properties

Appearance: Gray to light green, granular

Odor: Odorless

pH: Neutral

Melting Point: Approx. 1400°C (glass component)

Solubility: Insoluble in water

Density: ~190 kg/m³

Flash Point: Not applicable

Section 10: Stability and Reactivity

Reactivity: Non-reactive

Stability: Stable under normal conditions

Conditions to Avoid: None known

Incompatible Materials: None known

Hazardous Decomposition Products: None

Section 11: Toxicological Information

Acute Toxicity: Non-toxic

Chronic Effects: Prolonged dust inhalation may cause respiratory irritation

Carcinogenicity: Not classified as carcinogenic

Other Health Effects: Possible mild respiratory and eye irritation from dust exposure

Section 12: Ecological Information

Ecotoxicity: Non-toxic to aquatic or terrestrial life

Persistence and Degradability: Non-degradable, inert material

Bioaccumulation: No potential for bioaccumulation

Section 13: Disposal Considerations

Waste Disposal Methods: Dispose of in accordance with local, regional, and national regulations. Foam glass aggregate is typically considered non-hazardous waste.

Section 14: Transport Information

UN Number: Not regulated

Transport Hazard Class: Not applicable

Packing Group: Not applicable

Environmental Hazards: None known

Section 15: Regulatory Information

OSHA: Non-hazardous under OSHA Hazard Communication Standard

EPA: Not regulated as hazardous

Other Regulations: Compliant with GHS standards; consult local regulations

Section 16: Other Information

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