



SAFETY DATA SHEET

Section 1: Identification

Product Name: Belter Fill

Grain Size: 2-4

Company Name: Belter Tech

Address: 3020 Commerce Way, Suite D, Atlanta, GA 30354

Emergency Telephone Number: 911

For information about this SDS, use this department contact phone#: (844) 914-1200

Section 2: Hazard(s) Identification

Hazard Classification of the material/mixture: No specific labeling to Regulation (EC) No 1272/2008

Marking elements: No marking according to Regulation (EC) No 1272/2008

Other dangers: The mixture does not meet the criteria for classification as PBT or vPvB. The dust can cause irritation to the eyes and respiratory tract if the granulated structure is destroyed during improper use.

Safety note: P262 avoid contact with your eyes, skin, and clothes.

Section 3: Composition/ Information on Ingredients

Substances/Mixture: Lightweight Filler

Chemical Name	CAS#	Weight %
Trade Secret	65997-17-3, 142844-00-6	98%
Aluminum Oxide	1344-28-1	2%

Section 4: First-Aid Measures

After inhalation: Supply fresh air immediately. If the product irritates the respiratory tract: contact a doctor.

After skin contact: Wash off with plenty of water and soap, rinse thoroughly.

After eye contact: Remove contact lenses. Rinse immediately with plenty of water for at least 15 minutes with the eyelids open. Consult an ophthalmologist if necessary.

After ingestion: Irritations in the mouth, throat and esophagus as well as in the gastrointestinal tract are possible. Immediately rinse mouth thoroughly. Drink plenty of water (200 - 300ml) in small sips (dilution effect). Avoid vomiting.

The most important, urgent and delayed symptoms and effects: This material does not have any typical symptoms and effects.

Information on immediate medical help or special treatment: No special measures required.

Section 5: Fire-Fighting Measures

Extinguishing agent: Not applicable, product is non-flammable.

Special risk of the material/mixture: No special risks are caused by the product or mixture.

Information about firefighting: The extinguishing agent should be chosen according to the primary cause of fire.

Section 6: Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures: Note to untrained emergency personnel: Use appropriate protective equipment. Ensure adequate ventilation and avoid dust. Use of a dust mask is recommended.

Measures for environmental protection: The product shouldn't get into the canalisation because it floats on the water due to its low density and may cause a blockage of pipes.

Measures for cleaning/collecting: Remove spillage by sweeping, vacuuming or wet absorption. Cover sewer system to prevent the material from entering the sewer system.

Section 7: Handling and Storage

Notes for safe handling: Avoid the formation of dust. The usage of a particle filtered protective mask FFP2 is required if the dust concentration raises above the reference value. Avoid contact with the eyes. Avoid ingestion or inhalation.

Notes for safe storage in consideration of incompatibility: Protect against humidity.

Specific end-use: Please observe the technical data sheet. Observe information documents on delivery forms, conveyance, transport options and storage. For pneumatic conveying, please observe the maximum conveying pressure of 0.8 bar.

Section 8: Exposure Controls/Personal Protection

Parameters to be controlled: Exposure limits: General maximum dust emission (ASGW) according to TRGS 900. Avleolar fraction: 1.25mg/m³ (a dust).

Exceedance factor: 8(VIII); with an 8-fold exceedance of 1.25 mg/m³ four times per shift over 15 minutes, no further exposure must occur, as otherwise the ASGW will be exceeded.

Total fraction inhalable dust: 10mg/m³(E dust). Exceedance factor: 2(l); for a period of 15 minutes, the respective limit value may be exceeded by up to 2 times in one shift.

Limitation and controlling of the exposition

Personal protective equipment, respiratory protection: The usage of a particle filtered protective mask FFP2 is required if the dust concentration rises above the AGW value.

Eye protection: Wear safety glasses with side shields to protect against eye contact.

Hand protection: Wear suitable protective gloves to minimize skin contact.

Body protection: Wear general purpose work suits in order to protect skin from irritation.

Specific hygienic measures: Not applicable.

Limitation and monitoring of environmental exposure: See paragraph 6 and 7

Section 9: Physical and Chemical Properties

Information about the basic physical and chemical properties.

Appearance

State of aggregation: Solid granulate, grain sizes 0.04 8mm

Color: Creamy white

Odor: Odorless

Safety-relevant data

Odor threshold: Not applicable

pH value: 8 – 12 according to DIN EN ISO 787-9

Melting point/freezing point melting temperature: Approx. 900°C, literature value for container glass

Boiling point/boiling range: Not applicable

Flash point: Not combustible

Evaporation rate: Not applicable

Flammability: Not flammable

Upper/lower flammability or explosive limits: Not applicable

Vapor pressure: Not applicable

Vapor density: Not applicable

Relative density bulk density: In the range of 140 – 600kg/m³ depending on grain size, according to DIN EN 1097-3

Solubility: Insoluble in water

Distribution coefficient n-Octanol/water: Not applicable

Autoignition temperature: Not applicable

Decomposition temperature, softening point: Approx. 700°C according to DIN ISO 7884-6

Viscosity: Not applicable

Explosive properties: Not applicable

Dust explosion hazard: Not applicable

Oxidizing properties: Not applicable

Section 10: Stability and Reactivity

Reactivity: The product is not reactive

Chemical stability: This product is stable under normal temperature and pressure conditions.

Possible danger reactions: When handled and stored as directed, no dangerous reactions occur.

Conditions to avoid: At temperatures above 900°C, the product starts to melt.

Incompatibility (material to avoid): The product dissolves on contact with hydrofluoric acid to form hexafluorosilicic acid (H₂SiF₆)

Hazardous decomposition: Not applicable

Section 11: Toxicological Information

Information on toxicological effects: There are no toxicological reports on the product.

Section 12: Ecological Information (non-mandatory)

Toxicity: Not applicable

Persistence and degradability: Biological nondegradable, as of mineral origin

Bioaccumulation: Not applicable

Mobility in the soil: Not applicable

Results of the PBT- and vPvB-Evaluation: The product does not contain and substance that meets the PBT or vPvB criteria.

Section 13: Disposal Considerations (non-mandatory)

Waste treatment process: Disposal via wastewater is recommended. Dispose the products in accordance with local regulations. Consult the exact waste code with the disposal company.

Name of waste: Lime-soda-silicate glass granulate

AVV waste code: 170202(glass)

Packaging: Non applicable

Section 14: Transport Information (non-mandatory)

In accordance with DOT regulations: Not regulated for transport.

In accordance with IMDG: Not regulated for transport.

In accordance with IATA: Not regulated for transport.

Section 15: Regulatory Information (non-mandatory)

US Federal Regulations

SARA Section 313 (specific toxic chemical listings):

Not subject to reporting requirements.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs): Not listed

TSCA (Toxic Substances Control Act): The ingredients of this product are listed on the TSCA inventory.

Section 16: Other Information

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