

Safety Data Sheet

No. ASG-01; updated July 5, 2016

1. Identification

Product: Abrasive – Crushed Glass
 100% Post-Consumer Recycled Amorphous Glass
 All Grades/Surface Profiles 0-200 US Std. Mesh

Company: Agan Sage Glass, LLC
 482 Houses Corner Road
 Sparta, NJ
 Phone: (203) 470-4856

Use(s): Abrasive

2. Hazard(s) Identification

Product: Crushed Amorphous Glass Abrasive, Blast Media or Grit, Crushed Glass Cullet
 Amorphous Glass CAS #65997-17-3

Crushed glass cullet material is of solid physical state, non-toxic, and sand-like.

Hazard Statements: Potentially nuisance dust; less than 0.1% respirable crystalline silica; no known carcinogens listed by NTP, IARC, or OSHA. See section 11. Slightly hazardous in case of skin contact or of eye contact (irritant). Slightly hazardous in case of ingestion or of inhalation.

3. Composition

Chemical Component	CAS #	% of Mixture	ACGIH TLV (mg/m ³)	OSHA PEL (mg/m ³)	Carcinogenicity
Amorphous Glass	65997-17-3	100	10 TWA	10 TWA	No
Silicone Dioxide SiO ₂	7631-86-9	72-73.5	10 TWA (total)	15 TWA (total) 5 TWA (respirable)	No
Sodium Oxide Na ₂ O	1313-59-3	11.4-13.1	Not listed	Not listed	No
Calcium Oxide CaO	1305-78-8	10.1-10.4	2 TWA	5 TWA	No
Magnesium Oxide MgO	1309-48-4	1.1-1.3	10 TWA (total) 5 TWA (respirable)	10 TWA (fume) 5 TWA (respirable)	No
Aluminum Oxide Al ₂ O ₃	1344-28-1	1.6-1.8	10 TWA (total)	10 TWA (total) 5 TWA (respirable)	No
Potassium Oxide K ₂ O	11135-81-2	0.4-0.6	Not listed	Not listed	No
Other Oxides		<0.5	Not listed	Not listed	No

4. First-Aid Measures

Eyes: immediately flush with large amounts of water. Do not wear contact lenses when working with this material. Seek medical attention if necessary.

Skin: Remove contaminated clothing. Wash skin thoroughly with large amounts of water. Seek medical attention if necessary.

Inhalation: Move to fresh air, seek medical care if necessary.

Ingestion: Seek medical care.

5. Fire-Fighting Measures

Extinguishing Media: suitable for surrounding fire

Specific/Unusual Hazards: None

Control Measures: Use SCBA, full protective equipment.

Flash Point: None

Flammability: UEL: N/A; LEL: N/A

6. Accidental Release Measures

In case of spills, use personal protective equipment (NIOSH approved dust mask, goggles, leather gloves), ventilate the area, clean up any accumulated material. Avoid any accumulation of dust. Discard any spilled material.

7. Handling and Storage

Store in clean, dry, ventilated space. Avoid any accumulation of dust. USE PPE when handling. Avoid personal contact and wash immediately if contact occurs.

8. Exposure Controls / Personal Protection

Protective equipment should be determined by the conditions of exposure.

Eyes: Dust-resistant goggles.

Skin: Gloves and long sleeves to prevent repeated contact with skin, if necessary.

Inhalation: NIOSH/MSHA approved dust mask if exposure limits are exceeded.

Ventilation: General ventilation, building exhaust, mechanical ventilation/engineered controls may be used to properly maintain the environment within exposure limits.

9. Physical and Chemical Properties

Odorless, tan/white, sand-like material

Vapor Pressure: N/A

Vapor Density: N/A

pH: N/A

Solubility in Water: No

Flash Point: N/A

Melting Point: 2930 degF

Specific Gravity: 2.5

Viscosity: N/A



Volatility: N/A

10. Stability and Reactivity

Material is stable and non-reactive under normal ambient temperature and conditions.

There are no conditions to avoid with proper handling and storage.

There are no known materials that are not compatible.

11. Toxicological Information

This product contains no crystalline silica and is made up of mostly recycled amorphous glass cullet. This product has been tested and qualifies to be non-toxic per the NIOSH Evaluation of Substitute Materials for Silica Sand in Abrasive Blasting. Amorphous silica is non-toxic.