



1. Product Identification

Product Name: Fusion White

Product Description: Blended abrasive media manufactured from recycled glass and white aluminum oxide.

Product Identifier: Soda-Lime Glass/Glass Oxide/White Aluminum Oxide.

Crushed Glass:	Environmental Abrasives Warehouse LLC 4301 S. Federal Way Boise, ID 83716 Phone (208) 947-1351	White Aluminum Oxide:	Environmental Abrasives Warehouse LLC 4301 S. Federal Way Boise, ID 83716 Phone (208) 947-1351
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2. Hazard Identification

Emergency Overview: Non-flammable light brownish solid or powder. Abrasive particulate may cause minor eye and skin irritation. Inhalation of high concentrations may cause transient upper respiratory irritation. Product is noncombustible and stable.

Primary Route(s) of Entry: **Inhalation:** Yes, **Ingestion:** No, **Skin:** No, **Other:** No

Potential Health Effects – Acute:

- **Eye:** Dusts may cause minor irritation, may scratch the cornea or cause other mechanical injury to the eye.
- **Skin:** May cause minor irritation. Not absorbed through skin.
- **Ingestion:** Relatively non-toxic. Ingestion is not anticipated under normal working conditions.
- **Inhalation:** Product will act as a nuisance dust. Inhalation of high concentrations of dust may cause coughing and mild, transitory respiratory irritation. May cause slight to moderate irritation of mucous membranes.

Potential Health Effects – Chronic:

- **Inhalation:** Long-term dust inhalation in excess of the PEL or TLV may decrease the ability of the lungs to clear particulate matter which may cause shortness of breath and increased susceptibility to respiratory disease.
- **Signs And Symptoms:** Irritation, redness, pain, tear formation, blurred vision, light sensitivity, shortness of breath, decreased chest expansion, dry cough, and fatigue.
- **Medical Conditions Aggravated By Exposure:** Repeated inhalation of dusts over time may aggravate pre-existing respiratory disease. Precautions should be taken to alleviate the pre-existing medical condition.
- **Target Organs:** Lungs, eyes
- **Carcinogenicity:** **NTP:** No, **IARC:** No, **OSHA:** No

Glass and aluminum oxide are not classified as hazardous materials by criteria of the OSHA Hazard Communication Standard, Title 29, Code of Federal Regulations, Section 1910.1200, Hazard Communication. Nuisance Dust concern. Glass abrasive and Aluminum Oxide contain no crystalline silica.

3. Composition/Information on Ingredients

Common Name	Crushed Glass	Common Name	White Aluminum Oxide
Synonyms	Recycled Glass, Soda-Lime Dioxide Glass	Synonyms	Alumina Ceramic, Fused Aluminum Oxide
CAS Number	65997-17-3	CAS Number	1344-28-1
Color/Appearance	Brownish	Color/Appearance	White
Odor	Odorless	Odor	Odorless
Typically		Typically	
Silicon Dioxide (amorphous) SiO₂	72%	Aluminum Oxide - Al₂O₃	86.5%
Sodium Oxide - Na₂O	15%	Silicon Dioxide (fused) SiO₂	8.8%
Calcium Oxide (Soda Ash)-CaO	10%	Magnesium Oxide-MgO	2.5%
Other	Trace	Calcium Oxide-CaO	1.2%
		Trace	1.0%

4. First Aid Information

- **Ingestion:** Do not induce vomiting.
- **Inhalation:** Remove to fresh air. If symptoms persist, obtain medical attention.
- **Skin Contact:** Soak in warm water.
- **Eye Contact:** Flush with water.

5. Fire Fighting Measures

- **Flash Point:** N/A
- **Flammable Properties:** Material will not burn. Use media that is appropriate for fighting fire.
- **Clothing:** Wear appropriate protective clothing.
- **Respirators:** Wear a NIOSH-approved (or equivalent) respirator.



6. Accidental Release Measures

Vacuum or sweep up material and place in a disposal container. Do not allow material to enter sewer or waterways. This material is not defined as hazardous under 40 CFR 261. Disposal in a landfill in accordance with all applicable federal, state, and local laws or regulations is recommended.

7. Handling and Storage

- **Handling** – Minimize dust generation and accumulation. Use adequate ventilation, and avoid breathing dusts.
- **Storage** – Store in a dry place.

8. Exposure Controls and Personal Protection

- **VENTILATION AND ENGINEERING CONTROLS:** Use with adequate ventilation. Local exhaust ventilation is preferred, and should be designed by a professional industrial hygienist.
- **RESPIRATORY PROTECTION:** In enclosed spaces maintain oxygen levels above 19.5%. Use supplied air respiratory protection if oxygen levels are below 19.5%. If respiratory protection is required, follow the requirements of the Federal OSHA Respiratory Protection Standard (29 CFR 1910.134) or equivalent State standards.
- **EYE PROTECTION:** Splash goggles or safety glasses are recommended.
- **HAND PROTECTION:** Wear any polymer gloves resistant to tears if prolonged exposure to powder is expected.
- **BODY PROTECTION:** Use body protection appropriate for task.

9. Physical and Chemical Properties

Product	Crushed Glass	White Aluminum Oxide	Fusion White Blend
CAS Number	65997-17-3	1344-28-1	NA
Color/Appearance	Brownish	White	Light Brown
pH	NA	NA	NA
Water Solubility	Negligible	Non	Negligible
Volatility	Stable	Stable	Stable
Physical State	Grain or Powder	Grain or Powder	Grain or Powder
Specific Gravity	2.45 – 2.55 g/cm ³	3.7 g/cm ³	3.0 g/cm ³
Max Use Temperature	<573 °C	1,400 °C	<573 °C
Melting Point	573 °C	2,000 °C	573 °C
Molecular Composition	SiO ₂ , Na ₂ O, CaO	(Al ₂ O ₃)	Combined

10. Stability and Reactivity

Material is stable. No known conditions causing instability. There are no known incompatible materials.

11. Toxicological Information

Poses little or no immediate hazard. This material is stable.

12. Ecological Information

Poses little or no immediate hazard. This material is stable.

13. Disposal Considerations

This material, if discarded, is not defined as hazardous under 40 CFR 261. Disposal in a landfill in accordance with applicable federal, state, and local laws or regulations is recommended.

14. Transportation Information

No DOT labels are required for this material, and no DOT Hazard I.D. Number has been assigned, and no DOT shipping restrictions apply.

15. Regulatory Information

Judgments as to the suitability of the information herein are for purchaser's purposes and are necessarily purchaser's responsibility. Although reasonable care has been taken in the preparation of such information, ENVIRONMENTAL ABRASIVES makes no representations, and assumes no responsibility as to the accuracy or suitability of such information for application to purchasers intended purposes or for consequences of its use.

16. Other Information

Emergency Phone: CHEMTREC 800-424-9300