

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND CONTACT INFORMATION

Product Name: Glass Products

AEC-1008, AR 007, AR 010, AR 011, AR 011B, AR 012, AR 014, AR 016, AR 018, AR 019, AR 021, AR 029, AR 030, AR 030M, AR 032, AR 033, AR 047, AR 051, AR 065, AR 066, AR 083, AR 106, AR 116, AR 133, AR 157, AR 158, AR 181, AR 181P, AR 182, AR 182P, AR 183, AR 183C, AR 183M, AR 183V, AR 185C, AR 190, AR 317, AR 333, AR 373, AR 373M, AR 390, AR 446, AR 449, AR 473, AR 504, AR 505, AR 506, AR 540, AR 541, AR 541M, AR 542, AR 544, AR 601, AR 638, AR 746, AR 762, AR 801, AR 880, AR 901, AR 905, AR 911, AR 911E, AR 911H, AR 911R, AR 913, AR 914, AR 917, AR 928, AR 931, AR 932, AR 933, AR 936, AR 978, AR01032, AR09090, AR1065, AR11062, AR11064, AR1181, AR1182, AR1182P, AR1183, AR2216/4, AR4031, AR6327, AR6655, AR7548, AR7716, AR8809, AR9268, AR9316, AR9425

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2. COMPOSITION/INFORMATION ON INGREDIENTS

CAS NO.	%W	CHEMICAL NAMES	OSHA PEL (mg/m3)	ACGIH TLV (mg/m3)
65997-17-3	100	Glass, Oxide, chemicals	15 5 (resp)	10 5 (resp)

3. HAZARD IDENTIFICATION

POTENTIAL HEALTH EFFECTS

EYES: May cause irritation.

SKIN: Dust or powder may irritate the skin.

INHALATION: Dusts of the product may cause irritation of the nose, throat and respiratory tract.

When inhaled in very large amounts, damage to the lung can occur.

INGESTION: May cause irritation of the throat, stomach and gastrointestinal tract.

CHRONIC OVEREXPOSURE: N/A

ACUTE OVEREXPOSURE: N/A

MEDICAL CONDITIONS AGGRAVATED: N/A.

CARCINOGENICITY: N/A

4. FIRST AID MEASURES

EYES: Injuries should be treated by a physician immediately.

INHALATION: Removed to fresh air immediately. If necessary, aid with breathing and seek medical help

SKIN: Cuts or abrasions should be treated promptly with thorough cleansing of the affected area.

INGESTION: Seek medical attention if material is ingested.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES

Non-flammable

Flash Point: Not available

Flammable Limits: (% by Volume in Air): Lower: None Upper: None

AUTO-IGNITION TEMPERATURE: N/A

HAZARDOUS COMBUSTION PRODUCTS: Material will begin softening at about 700 C, will proceed to a liquid and will form irritating and toxic gaseous metallic oxides at extremely high temperatures.

EXTINGUISHING MEDIA: Use methods for the surrounding fire.

FIREFIGHTING INSTRUCTIONS: Wear full protective clothing, including helmet, self contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. .

6. ACCIDENTAL RELEASE MEASURES

SMALL/LARGE SPILL: Avoid creating dust. Collect spill using a vacuum cleaner with a HEPA filter. Follow federal, state and local regulations for disposal.

7. HANDLING AND STORAGE

HANDLING: Do not create dust.

STORAGE: Store in a dry area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Use appropriate local exhaust ventilation to keep exposures below the recommended exposure limits.

VENTILATION: General room ventilation is normally adequate.

RESPIRATORY PROTECTION: A NIOSH approved dust respirator is required if TLV is exceeded.

SKIN AND HAND PROTECTION: Wear leather or other appropriate work gloves. .

EYE AND FACE PROTECTION: Safety glasses are recommended.

OTHER PROTECTIVE EQUIPMENT: None required.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Solid, colorless tubing/rod.

SOFTENING POINT: 821 C

FREEZE-MELT POINT: Na

VAPOR PRESSURE: N/A

VAPOR DENSITY: N/A

SOLUBILITY IN WATER: Insoluble.

SPECIFIC GRAVITY: 2.23 g/cm³

pH: N/A

ODOR: None

PERCENT VOLATILES: N/A

EVAPORATION RATE: N/A

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable.

INCOMPATIBILITY: Hydrofluoric Acid.

HAZARDOUS DECOMPOSITION PRODUCTS: At very high temperatures, irritation and toxic gaseous metallic oxides can be formed.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

None reported.

12. ECOLOGICAL INFORMATION

None available.

13. DISPOSAL CONSIDERATION

Dispose of in accordance with federal, state and local regulations.

14. TRANSPORTATION INFORMATION

USA DOT: Not regulated

15. REGULATORY INFORMATION

US FEDERAL REGULATIONS

TSCA STATUS: On toxic Substance Control Inventory

CERCLA Reportable Quantity: None

RCRA Status: Not regulated

SARA TITLE III:

Section 302 Extremely Hazardous Substances: None

Section 311/312 Hazardous Categories: None

Section 313 Toxic Chemicals: None

CANADAIN REGULATIONS

WHMIS: D2B Toxic Materials

16. OTHER INFORMATION

Hazard Index: (0-4, 4= Extreme)

Health: 0 Fire: 0 Reactivity: 0

SUPPLEMENTAL INFORMATION

The data and information as stated was furnished by the manufacturer/vendor &/or supplier of this product. Alpha Resources, Inc. cannot warrant the accuracy of this information and shall not be responsible or liable for any damage that may result, should any of the information be erroneous.

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Prepared by: Scot Burns