

**SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION****Borosilicate Glass**

AEC-1008, AR 007, AR010, AR011, AR 011B, AR 012, AR 014, AR 016, AR 018, AR 019, AR021, AR029, AR030, AR030M, AR032, AR033, AR047, AR051, AR065, AR066, AR083, AR106, AR116, AR133, AR157, AR158, AR181, AR181P, AR182, AR182P, AR183, AR183C, AR183M, AR183V, AR185C, AR190, AR317, AR333, AR373, AR373M, AR390, AR446, AR449, AR473, AR504, AR505, AR506, AR540, AR541, AR541M, AR542, AR544, AR601, AR638, AR746, AR762, AR801, AR880, AR901, AR905, AR911, AR911E, AR911H, AR911R, AR913, AR914, AR917, AR928, AR931, AR932, AR933, AR936, AR978, AR01032, AR09090, AR1065, AR11062, AR11064, AR1181, AR1182, AR1182P, AR1183, AR2216/4, AR4031, AR6327, AR6655, AR7548, AR7716, AR8809, AR9268, AR9316, AR9425

This product is intended for laboratory use.

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CHEMTREC Emergency Phone Number: (800) 424-9300

Signal Word

N/A

**SECTION 2— HAZARDS IDENTIFICATION**

This material is NOT hazardous when used with proper laboratory techniques.

This glass is an amorphous mix of the below mentioned chemical compositions. Particular care to be taken if machining or producing dust from product. Sharp broken edges can be extremely sharp.

**SECTION 3— COMPOSITION, INFORMATION ON INGREDIENTS**

| Component       | CAS #      | OSHA PEL(mg/m <sup>3</sup> )               | ACGIH TLV (mg/m <sup>3</sup> ) | Common % |
|-----------------|------------|--|--------------------------------|----------|
| Silicon Dioxide | 7631-86-9  | 80mg/m <sup>3</sup> /%SiO <sub>2</sub> TWA |                                | <82      |
| Boron Oxide     | 1303-86-2  | 15mg/m <sup>3</sup> TWA                    | 10mg/m <sup>3</sup>            | <15      |
| Potassium Oxide | 12136-45-7 |  |                                | <10      |
| Sodium Oxide    | 1313-59-3  |  |                                | <10      |
| Aluminum Oxide  | 1344-28-1  |  | 10mg/m <sup>3</sup>            | <5       |

**SECTION 4— FIRST AID MEASURES**

**If inhaled:** Remove victim to fresh air and keep at rest in a position comfortable for breathing (P304+P340).

**If in eyes:** Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing (P305+P351+P338).

**If eye irritation persists:** Get medical advice or attention (P337+P313).

**If on skin:** Wash with plenty of water. (P302+P352)

**If swallowed:** Rinse mouth. Call a physician if you feel unwell.

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**SECTION 5 — FIRE FIGHTING MEASURES**

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Non-flammable. Flash Point: N/A                      Auto-Ignition Temperature: N/A  
Auto-Ignition Temperature: N/A                      NFPA Code: N/A  
Fire Fighting Instructions: Firefighters should wear positive pressure self-contained apparatus if found with other materials.

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**SECTION 6 — ACCIDENTAL RELEASE MEASURES**

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Small or large spill: Pick up large pieces and place into sealable container. Clean in a way that keeps dust creation to a minimum. Clean area with wet cloth and dispose properly.

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**SECTION 7 — HANDLING AND STORAGE**

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Handling: DO NOT handle roughly. Be careful product is fragile.

Storage: Store with hydroxides, oxides, silicates, and carbonates.

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**SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION**

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Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling (P264).

An approved NIOSH respirator must be worn if exposure limits are excessive.

Section 3 covers exposure limits per OSHA and ACGIH.

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**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

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|                          |          |                        |
|--------------------------|----------|------------------------|
| Solid transparent clear. | Odorless | Specific gravity: 2.23 |
| Soluble: N/A             | pH: N/A  | Melting Point: 1335°F  |

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**SECTION 10 — STABILITY AND REACTIVITY**

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Stability: stable                      If stored or used at proper temperatures should never become unstable.

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**SECTION 11 — TOXICOLOGICAL INFORMATION**

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Acute Effects: Some irritation can be associated with this product.

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**SECTION 12 — ECOLOGICAL INFORMATION**

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Data: N/A

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**SECTION 13 — DISPOSAL CONSIDERATIONS**

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Waste disposal should be done in compliance with existing federal, state and local environmental regulations.

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**SECTION 14 — TRANSPORT INFORMATION**

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United States Department of Transportation: Not regulated

Hazard class: N/A. UN number: N/A.

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**SECTION 15 — REGULATORY INFORMATION**

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**U.S. Regulations:**

CERCLA Sections 102a/103 (40 CFR 302.4): Not regulated.

SARA Title III Section 302 (40 CFR 355.30): Not regulated.

SARA Title III Section 304 (40 CFR 355.40): Not regulated.

SARA Title III Section 313 (40 CFR 372.65): Not regulated.

OSHA Process Safety (29 CFR 1910.119): Not regulated.

SARA Title III Sections 311/312 Hazardous Categories (40 CFR 370.21):

ACUTE HEALTH: Yes

CHRONIC HEALTH: No

FIRE: No

REACTIVE: No

PRESSURE: No

U.S. TSCA Inventory: Listed

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**SECTION 16 — OTHER INFORMATION**

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The data and information as stated was furnished by the manufacturer/vendor/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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