

# MATERIAL SAFETY DATA SHEET

## 1. CHEMICAL PRODUCT AND CONTACT INFORMATION

Product Name: Quartz Glass Products

AEC-1000, AEC-1001, AEC-1002, AEC-1003, AEC-1004, AEC-1005, AEC-1006, AEC-1007, AEC-1010, AEC-1012, AEC-1013, AEC-1018, AEC-1019, AEC1021, AEC-1022, AEC-1023, AEC-1024, AEC-1025, AEC-2000, AEC-2013, AEC-2014, AEC-2015, AEC-2015L, AEC-2016, AEC-2018, AEC-2019, AEC-2020, AEC-2021, AEC-2022, AEC-6000, AEC-6001, AEC-6002, AEC-6003, AEC-6006, AEC-6007, AEC-6008, AEC-8013, AEC-8014, AEC-8015, AEC-8026, AEC-9000, AR 004, AR 004S, AR 020, AR 025, AR 056, AR 057, AR 064, AR 093, AR 094, AR 117, AR 118, AR 119, AR 120, AR 121, AR 121S, AR 122, AR 125, AR 132, AR 179, AR 180, AR 278, AR 279, AR 283, AR 286, AR 342, AR 355, AR 379, AR 401, AR 402, AR 437, AR 437H, AR 438, AR 438L, AR 441, AR 603, AR 604, AR 606, AR 704L, AR 710, AR 900, AR 910, AR 922, AR 923, AR01007, AR02510, AR1150/4, AR1172/4, AR1201, AR1202, AR1331, AR1335, AR1367, AR1367S, AR14130, AR1437, AR1506, AR20040, AR2038, AR21120, AR2253/4, AR2402Q, AR2428, AR3938, AR4241, AR4357, AR4357S, AR4541, AR4962, AR5125, AR5168, AR5875, AR6108, AR6146, AR7060, AR7066, AR8314Q, AR8339, AR8891, AR8892, AR9065, AR9116, AR9129, AR9154, AR9412, ARG3026, SP1004, ZZZ-12516

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## 2. COMPOSITION/INFORMATION ON INGREDIENTS

CAS NO.	%W	CHEMICAL NAMES	OSHA PEL (mg/m3)	ACGIH TLV (mg/m3)
60676-86-0	100	Amorphous Fused Silica	0.1	0.1

## 3. HAZARD IDENTIFICATION

### POTENTIAL HEALTH EFFECTS

EYES: May cause irritation through mechanical abrasion.

SKIN: Can dry skin.

INHALATION: Causes moderate respiratory irritation.

INGESTION: None expected.

CHRONIC OVEREXPOSURE: Silicosis has been associated with an increased risk of lung cancer. Crystalline silica should be considered a possible human carcinogen based on this association. Fused silica has not been identified as a carcinogen.

ACUTE OVEREXPOSURE: N/A

MEDICAL CONDITIONS AGGRAVATED: Pulmonary disorders.

CARCINOGENICITY: None.

## 4. FIRST AID MEASURES

EYES: Flush with large amounts of water. Seek medical attention if irritation continues.

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

SKIN: Wash skin with plenty of soap and water.

INGESTION: No emergency care anticipated.

## **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: None.

EXTINGUISHING MEDIA: All standard firefighting media.

FIREFIGHTING INSTRUCTIONS: Nothing specific.

## **6. ACCIDENTAL RELEASE MEASURES**

SMALL/LARGE SPILL: Sweep or gather up material and place in proper container for disposal or recovery.

## **7. HANDLING AND STORAGE**

HANDLING: No special precautions.

STORAGE: No special precautions.

## **8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

ENGINEERING CONTROLS: No specific engineering controls normally required.

VENTILATION: General room ventilation is normally adequate.

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

SKIN AND HAND PROTECTION: N/A.

EYE AND FACE PROTECTION: Safety glasses are recommended.

OTHER PROTECTIVE EQUIPMENT: None required.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE: Solid, colorless tubing/rod.

BOILING POINT: 2230 C (4045 F)

FREEZE-MELT POINT: 1710 C (3110 F)

VAPOR PRESSURE: N/A

VAPOR DENSITY: N/A

SOLUBILITY IN WATER: Insoluble.

SPECIFIC GRAVITY: 2.65

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: None.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Grinding, sawing, sanding, abrading or otherwise dispersing in air.  
Fused silica can convert to crystalline silica if held at high temperatures for extended periods of time.

## **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: 1 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.

Date Prepared: January 1, 2008

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