

Identity (Trade name on label) Quartz Wool
 (Amorphous Silica)
 UIC, Inc. Part # CM300-004
 CAS Number 61790-53-2
 Date Prepared 1/84
 Date Reviewed/Revised 10/93, 1/96, 9/00

Manufactured or UIC, Inc.
 Distributed by: P. O. Box 863
 Joliet, IL 60434
 815-727-5431
 800-424-9300 (for Emergencies)

MATERIAL IDENTIFICATION AND INFORMATION

Hazardous Components 1% or greater; Carcinogens 0.1% or greater

COMPONENTS	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
Amorphous Silica (Quartz Glass)	6.0 mg/m ³ (TWA)	3.0 mg/m ³ (Resp. dust) (2)	

PHYSICAL AND CHEMICAL CHARACTERISTICS

Boiling Point	NA	Specific Gravity	g/cm ³ 2.203
Vapor Pressure	NA	Melting Point	1750°C
Vapor Density	NA	Evaporation Rate	NA
Solubility in Water	Insoluble	Water Reactive	

Appearance Clear Colorless Glass Material.

Odor No Odor.

FIRE AND EXPLOSION HAZARD DATA

Flash Point NA Auto Ignition Temperature
 Flammability Limits in Air % by Volume NA

Extinguisher Media NA

Special Fire Fighting Procedures Non-Flammable.

Unusual Fire and Explosion Hazards None.

REACTIVITY HAZARD DATA

Stability X Stable Conditions None
 Unstable to Avoid

Incompatible Materials Contact with powerful oxidizing agents like fluorine, oxygen difluoride, and chlorine trifluoride can cause fires.

Hazardous Decomposition Products None

Hazardous X Will not Occur Conditions None
 May Occur to Avoid

HEALTH HAZARD DATA

Carcinogen Listed in NTP OSHA IARC X Not Listed

HEALTH HAZARD

Inhalation Prolonged inhalation of amorphous silica may produce X-ray changes in the lungs without disability.

Skin Absorption None.

Eye Contact Yes.

Ingestion None.

Signs and Symptoms of Exposure Changes in lung X-rays.

Medical Conditions Aggravated by Exposure Persons with impaired pulmonary function may be at increased risk from exposure to amorphous silica.

FIRST AID

Inhalation None.

Skin Absorption None.

Eye Contact If amorphous Silica gets into the eyes, wash eyes immediately with large amounts of water, lifting the lower and upper lids occasionally. If irritation is present after washing, get medical attention.

Ingestion None.

CONTROL AND PROTECTIVE MEASURES

Respiratory Protection None.

Protective Gloves Recommended.

Eye Protection Recommended.

Ventilation to be Used To meet PEL Requirements.

Other Protective Clothing None.

Hygienic Work Practices Avoid creating dust. Do not eat, drink, or smoke in the laboratory.

PRECAUTIONS FOR SAFE HANDLING AND USE/LEAK PROCEDURES

Steps to be Taken if Material is Spilled or Released Clean up using normal good housekeeping standards. Avoid dusting.

Waste Disposal Methods Amorphous Silica may be disposed of in a secured sanitary landfill.

Precautions to be Taken in Handling and Storage None.

Other Precautions and/or Special Hazards None.

UIC, Inc. has obtained the most current chemical information available to us in updating this Material Safety Data Sheet. However, users should always use caution when working with chemicals, as UIC, Inc. assumes no liability resulting from its use. Additionally, we make no warranty with respect to any information published on this sheet, either stated or implied.