



**5.5 Hazardous polymerization:** **May Occur:** **May not occur:** X  
**5.6 Conditions to avoid (polymerization)** High humidity and prolonged heat greater than 60° C

## SECTION VI – Health Hazard Data

**6.1 Primary routes(s) of entry:** **Inhalation?:** Yes **Skin?:** No **Ingestion?:** Yes  
**6.2 Health Hazards (acute and chronic):** **Acute:** Transitory upper respiratory irritation or eye irritation  
**Chronic:** Inhalation of crystalline silica has been classified by IARC as carcinogenic for humans (Group I). Inhalation of crystalline silica is known as a cause of silicosis, a non-cancerous lung disease caused by excessive exposure to crystalline silica. Respirable dust from this product may contain up to 52% free crystalline silica. As such it represents a risk to the respiratory system. Long term, unprotected exposure to dust levels in excess of the TLV or PEL may cause lung disease (silicosis).  
**6.3 Carcinogenicity:** **NTP?:** Proposed **IARC monographs:** Yes (Group 1) **OSHA Regulated?:** Yes  
**6.4 Signs and symptoms of exposure:** **Inhalation:** Irritation and soreness in throat and nose. In extreme exposures some congestion may occur. **Eyes:** temporary irritation or inflammation. Not hazardous when ingested.  
**6.5 Medical conditions generally aggravated by exposure:** Pre-existing upper respiratory and lung diseases such as but not limited to bronchitis, emphysema, and asthma. **Target organs:** Lungs and eyes.  
**6.6 Emergency First aid procedures:** Remove to fresh air. Drink water to clear throat and blow nose to evacuate dust. For eyes flush with copious amounts of water for 15 minutes. If irritation persists consult a physician.

## SECTION VII – Precautions for Safe Handling

**7.1 Steps to be taken in case material is released or spilled:** Vacuum dust with equipment fitted with a HEPA filter. Use dust suppression such as water if sweeping is necessary. Sweep up spilled material and place in closed containers for disposal.  
**7.2 Waste Disposal methods:** Dispose of in accordance with Federal, State and Local regulations  
**7.3 Precautions to be taken in handling and storage:** Minimize dust generation and accumulation. Avoid breathing dust, avoid contact with eyes. Reclose packages and containers immediately. Continue to follow all MSDS/label warnings when handling empty containers. Observe normal warehouse handling procedures. Store in a cool dry area. Store away from foodstuffs and beverages.  
**7.4 Other precaution:** The avoidance of any air contaminant is always a recommended practice. Adherence to work place ventilation standards is an assurance of general personal health and comfort.

## SECTION VII – Control Measure / Personal Protection

**8.1 Respiratory protection:** Recommended NIOSH approved nuisance dust mask. <10X PEL, use 3M 9900; <100X PEL, use MSA Ultra-twin with H Filter; <200X PEL, use MSA 01-00-06 with type C supplied for air unit (continuous flow mode); or equivalent.  
**8.2 Ventilation:** Use sufficient natural or mechanical ventilation to keep dust level below PEL.  
**8.3 Protective gloves:** Rubber gloves  
**8.4 Eye protection:** Goggles or safety glasses with shields  
**8.5 Other protective clothing or equipment:** Rubber apron  
**8.6 Work/Hygienic practices:** Avoid dusting when in use. Observe normal care when working with chemicals.

NFPA – National Fire Protection Association  
N/A – Not Applicable  
N/E – Not Established

NFPA HAZARD CLASSIFICATIONS	
Health	2
Flammability	0

Reactivity	0
Specific Hazard	N/A

**ARTMOLDS 1001 November 10, 2003**

