

# MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-130/1302-93-8.html> for suppliers of this product.

### Composition/Information on Ingredient

1302-93-8  
**Code:**  
M  
**RTECS:**  
  
**Code:**  
X  
**Name:**  
ALUMINUM SILICATE; (ALUMINA SILICATE) % low Wt:  
  
**Other REC Limits:**  
N/K  
  
**OSHA PEL:**  
0.05 MG/M3 RDUST  
  
**Code:**  
M  
  
**OSHA STEL:**  
N/P  
  
**Code:**  
  
  
**ACGIH TLV:**  
0.05 MG/M3 RDUST  
  
**Code:**  
M  
  
**ACGIHSTEL:**  
N/P  
  
**Code:**

## Control Measures

NIOSH/MSHA APPROVED DUST AND/OR ORGANIC VAPOR RESPIRATOR FOR EXPOSURES ABOVE TLV.

**Ventilation:**  
LOCAL EXHAUST RECOMMENDED TO MAINTAIN EXPOSURES BELOW TLV. 4

**Protective Gloves:**  
IMPERVIOUS GLOVES.

**Eye Protection:**  
ANSI APPRVD CHEM WORKERS GOGGLES (FP N).

**Other Protective Equipment:**  
Equipment NONE SPECIFIED BY MANUFACTURER.

**Work Hygienic Practices:**  
NONE SPECIFIED BY MANUFACTURER.

**Supplemental Safety and Health:**  
NUISANCE DUST HAZARD. AVOID CREATING DUST. WEAR DUST MASK UNDER DUSTY CONDITIONS.

**LD50LC50Mixture:**

**Route Of Entry Inds - Inhalation:**  
YES

**Skin:**  
NO

**Ingestion:**  
NO

**Carcinogenicity Inds - NTP:**  
YES

**IARC:**  
YES

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
INGREDIENT 6: MAY CAUSE IRRITATION TO SKIN, EYES AND LUNGS. INGREDIENT 7: MAY IRRITATE SKIN AND EYES. INGREDIENTS 1, 2, & 3: CHRONIC EXPOSURE TO DUST COULD CAUSE PULMONARY PROBLEMS. CHRONIC OVEREXPOSURE TO DUST CONTAINING RESPIRABLE SIZED CRYSTALLINE SILICA (QUARTZ, CRISTOBALITE, AND TRIDYMITE) CAN CAUSE DELAYED LUNG INJURY (SILICOSIS). TARGET ORGANS: RESPIRATORY SYSTEM AND LUNGS.

**Explanation Of Carcinogenicity:**  
CRYSTALLINE SILICA (QUARTZ, CRISTOBALITE, TRIDYMITE): GRP 2A: IARC MONOGRAPHS.

**Signs And Symptoms Of Overexposure:**  
IRRITATION, COUGHING. 3

**Medical Cond Aggravated By Exposure:**  
INHALATION OF DUST CONTAINING CRYSTALLINE SILICA MAY CONTRIBUTE TO PRE-EXISTING PULMONARY DISEASES SUCH AS ASTHMA AND LUNG DISORDERS ASSOCIATED WITH SMOKING OF TOBACCO.

**First Aid:**  
SKIN: WASH THOROUGHLY WITH SOAP AND WATER. INHALATION: REMOVE TO FRESH AIR. EYES: FLUSH WITH WATER FOR AT LEAST 15 MINUTES AND GET MEDICAL HELP.

**Spill Release Procedures:**  
AVOID GENERATING DUST EXPOSURE DURING CLEANUP.

**Neutralizing Agent:**  
NONE SPECIFIED BY MANUFACTURER.

**Waste Disposal Methods:**  
DISPOSE OF MATERIAL ACCORDING TO LOCAL, STATE OR FEDERAL REGULATIONS AS FINAL USED CONDITION OF PRODUCT DICTATES.

**Handling And Storage Precautions:**  
AVOID DUST GENERATION.

**Other Precautions:**  
CRYSTALLINE SILICA LEVELS IN USED REFRACTORIES MAY BE HIGHER OR LOWER THAN AS-SHIPPED DEPENDING ON SERVICE CONDITIONS. HYGIENE MONITORING MUST BE DONE TO INSURE THE PROPER EMPLOYEE PROTECTION DURING T EAROUT.

**Hash Point Method:**  
N/A

|                                       |              |
|---------------------------------------|--------------|
| <b>Flash Point:</b>                   |              |
| <b>Flash Point Text:</b>              | NONFLAMMABLE |
| <b>Autoignition Temp:</b>             |              |
| <b>Autoignition Temp Text:</b>        | N/P          |
| <b>Lower Limits:</b>                  |              |
| <b>Upper Limits:</b>                  |              |
| <b>Extinguishing Media:</b>           | NONFLAMMABLE |
| <b>Fire Fighting Procedures:</b>      | N/A          |
| <b>Unusual Fire/Explosion Hazard:</b> | NONE         |

**HCC:**

**NRC/State LIC No:**

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
N/K

**Melt/Freeze Pt:**

**M.P/F.P Text:**  
N/K

**Decomp Temp:**

**Decomp Text:**  
N/K

**Vapor Pres:**  
N/K

**Vapor Density:**  
N/K

**Volatile Org Content %:**

**Spec Gravity:**  
N/K

**VOC Pounds/Gallon:**

**PH:** N/K

**VOC Grams/Liter:**

**Viscosity:**  
N/P

**Evaporation Rate & Reference:**  
N/K

**Solubility in Water:**  
N/K

**Appearance and Odor:**  
TAN, GRANULAR, DRY MIXTURE, ODORLESS.

**Percent Volatiles by Volume:**  
N/K

**Corrosion Rate:**  
N/K

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**Reactivity Data**

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
NONE SPECIFIED BY MANUFACTURER.

**Materials To Avoid:**  
NONE SPECIFIED BY MANUFACTURER.

**Hazardous Decomposition Products:**  
MAY GENERATE SO<sub>2</sub> FUMES.

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
NOT RELEVANT.

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**Toxicological Information:**

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MSDS Title:

## Regulatory Information

### Sara Title III Info

**State Regulatory Information:** N/A

**Other Information:**N/P

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## WARRANTY

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Lookchem shall not be held liable for any damage resulting from