

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-659/65997-18-4.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
65997-18-4  
**Code:**  
M

**RTECS:**

**Code:**  
X

**Name:**  
ALKALI BOROSILICATE FRITS \*93-1\*

**Other REC Limits:**  
N/K

**OSHA PEL:**  
N/K  
**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
NOT ESTABLISHED  
**Code:**  
M

**ACGIHSTEL:**  
N/P  
**Code:**

## Control Measures

**Respiratory Protection:**  
USE A NIOSH APPROVED DUST & MIST RESPIRATOR FOR LEAD SUCH AS 3M 8710 OR EQUIVALENT. 3

**Ventilation:**  
LOCAL EXHAUST: RECOMMENDED. MECHANICAL (GENERAL): RECOMMENDED WHEN SPRAYING.

**Protective Gloves:**  
N/K

**Eye Protection:**  
RECOMMENDED

**Other Protective Equipment:**  
Equipment SPRAY BOOTH & CLEAN SPRAY BOOTH FILTERS

**Work Hygienic Practices:**  
REMOVE USED CLOTHING BEFORE EATING, DRINKING, SMOKING OR LEAVING WORK. WASH HANDS IMMEDIATELY AFTER USE.

**Supplemental Safety and Health:**  
IF GLAZE SPRAYING IS MAJOR PORTION OF WORK, REGULAR BLOOD LEAD LEVEL TESTING BY YOUR DOCTOR IS ADVISABLE. FRIT IS A FUSED SILICATE GLASS SUBSTANCE.

## Health Hazards Data

**LD50LC50Mixture:**  
N/K

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

**Skin:**  
NO

**Ingestion:**  
YES

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
YES

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
EYES: ABRASIVE, CAN SCRATCH. INHALATION: STOMACH CRAMPS, LOSS OF COORDINATION.

**Explanation Of Carcinogenicity:**  
2 SEE INGREDIENTS

**Signs And Symptions Of Overexposure:**  
INHALATION: NERVOUS SYSTEM, KIDNEY OR BONE MARROW DAMAGE OR HARM TO THE DEVELOPING FETUS. WEIGHT LOSS, JOINT & MUSCLE PAINS.

**Medical Cond Aggravated By Exposure:**  
N/K

**First Aid:**  
EYES: FLUSH W/WATER FOR AT LEAST 15 MINS. SKIN: WASH W/SOAP & WATER. OBTAIN MEDICAL ATTENTION IN ALL CASES.

**Spill Release Procedures:**  
CLEAN UP PROPERLY W/PAPER TOWELS & A WET SPONGE.

**Neutralizing Agent:**  
N/K

**Waste Disposal Methods:**  
DISPOSE OF IN ACCORDANCE W/LOCAL, STATE, & FEDERAL REGULATIONS.

**Handling And Storage Precautions:**  
WHEN USING DON'T EAT, DRINK OR SMOKE. KEEP SEALED.

**Other Precautions:**  
KEEP OUT OF REACH OF CHILDREN. AVOID USING PRODUCT IF PREGNANT OR CONTEMPLATING PREGNANCY.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/P

**Flash Point:**

**Flash Point Text:**  
N/K

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/A

**Lower Limits:**  
N/K

**Upper Limits:**  
N/K

**Extinguishing Media:**  
N/K

**Fire Fighting Procedures:**  
NONE. WILL NOT BURN.

**Unusual Fire/Explosion Hazard:**  
N/K

## Physical/Chemical Properties

**HCC:**

**NRC/State LIC No:**

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
212F

**Melt/Freeze Pt:**

**M.P/F.P Text:**  
1800F

**Decomp Temp:**

**Decomp Text:**  
N/K

**Vapor Pres:**  
N/K

**Vapor Density:**  
N/K

**Volatile Org Content %:**

**Spec Gravity:**  
1.7

**VOC Pounds/Gallon:**

**PH:** N/K

**VOC Grams/Liter:**

**Viscosity:**  
N/P

**Evaporation Rate & Reference:**  
AS WATER

**Solubility in Water:**  
INSOLUBLE

**Appearance and Odor:**  
COLORED LIQUID, ODORLESS.

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

**Corrosion Rate:**  
N/K

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
N/K

**Materials To Avoid:**  
N/K

**Hazardous Decomposition Products:**  
N/K

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
N/K 4

## Toxicological Information

**Information:**N/P

## MSDS Transport Information

**Information:**N/P

## Regulatory Information

**Sara Title III Information:** N/P

**Federal Regulatory Information:** N/P

**State Regulatory Information:** N/P

## Other Information

**Other Information:**N/P



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

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 handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.