

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-110/11099-06-2.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
11099-06-2  
**Code:**  
M

**RTECS:**

**Code:**  
X

**Name:**  
ETHYL SILICATE 40/SILICA ACID, ETHYL ESTER (ETHYL

**Other REC Limits:**  
NONE RECOMMENDED

**OSHA PEL:**  
100 PPM  
**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
10 PPM  
**Code:**  
M

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

## Control Measures

**Respiratory Protection:**  
NONE KNOWN.

**Ventilation:**  
USE ONLY IN WELL VENTILATED AREA.

**Protective Gloves:**  
RUBBER GLOVES.

**Eye Protection:**  
SAFETY GLASSES.

**Other Protective Equipment:**  
Equipment EYE WASH STATION, USE IN ELL VENTILATED AREA.

**Work Hygienic Practices:**  
OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH BEFORE EATING OR DRINKING.

**Supplemental Safety and Health:**  
KEY1:N1. KIT CONSISTS OF INSULATING COMPOUND (RTV11) AND CATALYST (DBT). FORMULA CHANGED. SEE PN1 A FOR PREVIOUS FORMULATION. 5

## Health Hazards Data

**LD50LC50Mixture:**  
LD50 (ORAL, RAT) >40,000 MG/KG

**Route Of Entry Inds - Inhalation:**  
NO

**Skin:**  
NO

**Ingestion:**  
NO

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
TARGET ORGANS: RESPIRATORY AILMENTS. LIVER AND KIDNEY DAMAGE.INGESTION-HARMFUL IF SWALLOWED. SKIN-MAY CAUSE MILD SKIN IRRITATION. INHALATION-MAY CAUSE MILD RESPIRATORY IRRITATION. EYE-MAY IRRITATE EYE S.

**Explanation Of Carcinogenicity:**  
3 ABOVE 300 DEGREE FARENHEIT (150C) FORMS FORMALDEHYDE WHICH IS A POTENTIAL CANCER HAZARD, PER MSDS.

**Signs And Symptions Of Overexposure:**  
NONE SPECIFIED BY MANUFACTURER.

**Medical Cond Aggravated By Exposure:**  
RESPIRATORY, LIVER, KIDNEY, APPLIES IN UNCURED STATE.

**First Aid:**  
INGESTION-DO NOT INDUCE VOMITING. SLOWLY DILUTE WITH 1-2 GLASSES OF WATER OR MILK & SEEK MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. SKIN-WASH WITH SOAP AND WATER. INHALA TION-NONE KNOWN. EYES- IMMEDIATELY FLUSHEYES WITH PLENTY OF WATER FOR AT LEAST 15 MIN & GET MEDICAL ATTENTION IF IRRITATION PERSISTS.

**Spill Release Procedures:**  
WIPE, SCRAPE OR SOAKP UP SPILL IN AN INERT MATERIAL AND PUT IN A CONTAINER FOR DISPOSAL. WASH WALKING SURFACES WITH DETERGENT AND WATER TO REDUCE SLIPPING HAZARD. INCREASE AREA VENTILATION.

**Neutralizing Agent:**  
NOT RELEVANT

**Waste Disposal Methods:**  
BURY IN A LICENSED LANDFILL OR BURN IN AN APPROVED INCINERATOR IN COMPLIANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

**Handling And Storage Precautions:**  
AVOID CONTACT WITH EYES AND SKIN. USE ONLY IN WELL VENTILATED AREA. CAUTION!

**Other Precautions:**  
AVOID CONTACT WITH EYES, SKIN OR CLOTHING. AVOID INHALATION OF VAPOR. WASH THOROUGHLY AFTER HANDLING MATERIAL. KEEP OUT OF REACH OF SMALL CHILDREN. DO NOT INGEST.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
COC

**Flash Point:**

**Flash Point Text:**  
570F,299C 4

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/K

**Lower Limits:**  
UNKNOWN

**Upper Limits:**  
UNKNOWN

**Extinguishing Media:**  
ALL STANDARD FIREFIGHTING MEDIA.

**Fire Fighting Procedures:**  
NONE KNOWN.

**Unusual Fire/Explosion Hazard:**  
NONE SPECIFIED BY MANUFACTURER.

## Physical/Chemical Properties

**HCC:**  
T6

**NRC/State LIC No:**  
N/R

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
UNKNOWN

**Melt /Freeze Pt:**

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

**Decomp Temp:**

**Decomp Text:**  
300F,149C

**Vapor Pres:**  
UNKNOWN

**Vapor Density:**  
UNKNOWN

**Volatile Org Content %:**

**Spec Gravity:**  
1.2

**VOC Pounds/Gallon:**

**PH:** N/R

**VOC Grams/Liter:**

**Viscosity:**  
UNKNOWN

**Evaporation Rate & Reference:**  
>1 (N-BUTYL ACETATE=1)

**Solubility in Water:**  
NEGLEGIBLE

**Appearance and Odor:**  
WHITE LIQUID - SLIGHT ODOR

**Percent Volatiles by Volume:**  
2

**Corrosion Rate:**  
UNKNOWN

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
NONE KNOWN.

**Materials To Avoid:**  
NONE KNOWN.

**Hazardous Decomposition Products:**  
CARBON MONOXIDE, CARBON DIOXIDE, FORMALDEHYDE, ETHANOL.

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
NOT RELEVANT 6

## 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