

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-681/681-84-5.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
681-84-5

**Code:**  
M

**RTECS:**  
VV9800000

**Code:**  
M

**Name:**  
METHYL SILICATE

**Other REC Limits:**

1 PPM

**OSHA PEL:**

1 PPM

**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**

1 PPM; 9192

**Code:**  
M

**ACGIH STEL:**

N/P

**Code:**

## Control Measures

**Respiratory Protection:**

NOT NEEDED

**Ventilation:**

RECOMMENDED

**Protective Gloves:**

RUBBER

**Eye Protection:**

SAFETY GOGGLES

**Other Protective Equipment:**

Equipment PROTECTIVE CLOTHING &UNIFORM

**Work Hygienic Practices:**

WEAR PROTECTIVE EQUIPMENT WHEN USING.

**Supplemental Safety and Health:**

N/R

## Health Hazards Data

**LD50/LC50 Mixture:**

N/K 3

**Route Of Entry Inds - Inhalation:**

NO

**Skin:**

YES

**Ingestion:**

NO

**Carcinogenicity Inds - NTP:**

NO

**IARC:**

NO

**OSHA:**

NO

**Health Hazards Acute And Chronic:**

SKIN & EYES: MAY CAUSE IRRITATION & DAMAGE.

**Explanation Of Carcinogenicity:**

NONE

**Signs And Symptoms Of Overexposure:**

SKIN & EYES: MAY CAUSE IRRITATION.

**Medical Cond Aggravated By Exposure:**

N/K

**First Aid:**

SKIN: FLUSH WITH WATER. IF SKIN BECOMES RED TREAT WITH OLIVE OIL OR LANOLIN OINTMENT. EYES: FLUSH WITH WATER FOR AT LEAST 15 MINUTES. INGESTION: GIVE LARGE QUANTITIES OF WATER, DILUTED VINEGAR, LEMON OR ORANGE JUICE. FOLLOW WITH MILK, BEATEN WHITES OF EGGS OR OLIVE OIL. CALL A PHYSICIAN IMMEDIATELY.

**Spill Release Procedures:**

FLUSH WITH COPIOUS QUANTITIES OF WATER.

**Neutralizing Agent:**

N/R

**Waste Disposal Methods:**

DISCHARGE INTO SEWER WITH LARGE EXCESS OF WATER.

**Handling And Storage Precautions:**

DON'T GET IN EYES, ON SKIN OR ON CLOTHING. WEAR PROTECTIVE EQUIPMENT WHEN USING.

**Other Precautions:**

AVOID CONTACT WITH ORGANIC MATERIALS AND CONCENTRATED ACIDS.

## Fire and Explosion Hazard Information

**Flash Point Method:**

N/P

**Flash Point:**

**Flash Point Text:**

NONE

**Melt / Freeze Pt:**

N/P

**Autoignition Temp:**

N/A

**Autoignition Temp Text:**

N/A

**Lower Limits:**

N/R

**Upper Limits:**

N/R

**Extinguishing Media:**

N/R

**Fire Fighting Procedures:**

N/R 4

**Unusual Fire/Explosion Hazard:**

N/R

## Physical/Chemical Properties

**HCC:**

**NRC/State LIC No:**

**Net Prop WT For Ammo:**

N/P

**Boiling Point:**

N/P

**B.P./F.P. Text:**

212F

**Melt / Freeze Pt:**

N/P

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

N/R

**Decomp Temp:**

N/R

**Decomp Text:**

N/R

**Vapor Pres:**

N/R

**Vapor Density:**

N/R

**Volatile Org Content %:**

N/R

**Spec Gravity:**

1.028

**VOC Pounds/Gallon:**

N/R

**PH:**

11.5%

**VOC Grams/Liter:**

N/R

**Viscosity:**

N/P

**Evaporation Rate & Reference:**

N/R

**Solubility in Water:**

COMPLETE

**Appearance and Odor:**

CLEAR LIGHT YELLOW LIQUID, MILD ODOR.

**Percent Volatiles by Volume:**

N/R

**Corrosion Rate:**

N/R

**Hazardous Polymerization Indicator:**

NO

**Conditions To Avoid Polymerization:**

NONE

## 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

**LookChem**

Look for Chemicals

www.lookchem.com

FOR R&D USE ONLY. NOT FOR DRUG, HOUSEHOLD OR OTHER USES.

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 PRODUCT WITH REGARD TO DOCUMENTS BASED ON THE PRESENT STATE OF OUR KNOWLEDGE AND IS

NOT A WARRANTY. THE PRODUCT IS SOLD IN THE STATE OF THE PRODUCT AS IS, WITHOUT ANY EXPRESS OR IMPLIED

WARRANTY OF THE PROPERTIES OF THE PRODUCT. LOOKCHEM SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM

THE USE OF THE PRODUCT. THE PRODUCT IS SOLD ON THE CONDITION THAT THE PURCHASER WILL DETERMINE THE

APPROPRIATEITY OF THE PRODUCT FOR THE PURCHASED PURPOSES AND THAT THE PURCHASER WILL DETERMINE

THE APPROPRIATE CONDITIONS OF USE FOR THE PURCHASED PURPOSES.

THE PURCHASER AGREES TO INDEMNIFY LOOKCHEM AGAINST ALL CLAIMS, LOSSES, EXPENSES, AND COSTS, WHETHER

DIRECT OR INDIRECT, WHICH MAY BE MADE AGAINST LOOKCHEM AS A RESULT OF THE PURCHASED PRODUCT.

THE PURCHASER AGREES TO DEFEND LOOKCHEM AGAINST ALL CLAIMS, LOSSES, EXPENSES, AND COSTS, WHETHER

DIRECT OR INDIRECT, WHICH MAY BE MADE AGAINST LOOKCHEM AS A RESULT OF THE PURCHASED PRODUCT.

THE PURCHASER AGREES TO DEFEND LOOKCHEM AGAINST ALL CLAIMS, LOSSES, EXPENSES, AND COSTS, WHETHER

DIRECT OR INDIRECT, WHICH MAY BE MADE AGAINST LOOKCHEM AS A RESULT OF THE PURCHASED PRODUCT.

THE PURCHASER AGREES TO DEFEND LOOKCHEM AGAINST ALL CLAIMS, LOSSES, EXPENSES, AND COSTS, WHETHER

DIRECT OR INDIRECT, WHICH MAY BE MADE AGAINST LOOKCHEM AS A RESULT OF THE PURCHASED PRODUCT.

THE PURCHASER AGREES TO DEFEND LOOKCHEM AGAINST ALL CLAIMS, LOSSES, EXPENSES, AND COSTS, WHETHER

DIRECT OR INDIRECT, WHICH MAY BE MADE AGAINST LOOKCHEM AS A RESULT OF THE PURCHASED PRODUCT.

THE PURCHASER AGREES TO DEFEND LOOKCHEM AGAINST ALL CLAIMS, LOSSES, EXPENSES, AND COSTS, WHETHER

DIRECT OR INDIRECT, WHICH MAY BE MADE AGAINST LOOKCHEM AS A RESULT OF THE PURCHASED PRODUCT.

THE PURCHASER AGREES TO DEFEND LOOKCHEM AGAINST ALL CLAIMS, LOSSES, EXPENSES, AND COSTS, WHETHER

DIRECT OR INDIRECT, WHICH MAY BE MADE AGAINST LOOKCHEM AS A RESULT OF THE PURCHASED PRODUCT.

THE PURCHASER