

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-314/3147-14-6.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
3147-14-6  
**Code:**  
M

**RTECS:**

**Code:**  
X

**Name:**  
CALMAGITE

**Other REC Limits:**  
NONE RECOMMENDED

**OSHA PEL:**  
NOT ESTABLISHED  
**Code:**  
M

**OSHA STEL:**

**Code:**

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

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

## Control Measures

**Respiratory Protection:**  
NONE SPECIFIED BY MANUFACTURER.

**Ventilation:**  
ADEQUATE VENTILATION

**Protective Gloves:**  
DISPOSABLE LATEX GLOVES

**Eye Protection:**  
LAB GRADE GOGGLES

**Other Protective Equipment:**  
Equipment LAB COAT

**Work Hygienic Practices:**  
WASH THOROUGHLY AFTER HANDLING.

**Supplemental Safety and Health:**  
N/P

## Health Hazards Data

**LD50LC50Mixture:**  
NONE SPECIFIED BY MANUFACTURER.

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

**Skin:**  
YES

**Ingestion:**  
NO

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
THIS PRODUCT MAY BE IRRIT TO EYES/SKIN.ACUTE TOXICITY:NOT DETERMINED.CHRONIC TOXICITY:NOT DETERMINED.

**Explanation Of Carcinogenicity:**  
PER MSDS:CANCE INFO:AN INGRED OF THIS MIXTURE IS EXPERIMENTAL MUTAGEN & EXPERIMENTAL TERATOGEN.

**Signs And Symptoms Of Overexposure:**  
MAY CAUSE EYE/SKIN IRRIT.CHRONIC OVEREXPO MAY DAMAGE RED BLOOD CELLS.

**Medical Cond Aggravated By Exposure:**  
ISOPROPANOL MAY AGGRAVATE PRE-EXISTING SKIN DISORDERS & IMPAIRED PULMONARY FUNCTION SUCH AS OBSTRUCTIVE AIRWAY DISEASES. TARGET ORGANS:NOT DETERMINED.

**First Aid:**  
EYE/SKIN CONTACT:IMEMD FLUSH WW/WAWTER FOR 15MINS.REMOVE CONTAM CLOTH.CALL PHYSICIAN.INGEST:DONT INDUCE VOMIT.GIE 1-2 GLASSES OF WATER.CALL PHYSICIAN IMMED.NEVER 4 GIVE ANYTHING BY MOUTH IF UNCONSC.INHA L:REMOVE TO FRESH AIR.

**Spill Release Procedures:**  
ABSORB MATL ON NON-REACTIVE MATL.SOAK UP MATL & DIPSO OF IN EPA APPROVED HAZARDOUS WASTE FACILITY.DECONTAM SITE W/SOAP SOLUTION.

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

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

**Handling And Storage Precautions:**  
STORE IN COOL DRY PLACE.KEEP AWAY FROM OXIDIZERS.AVOID CONTACT W/EYE/SKIN.DONT BREATHE VAPOR.

**Other Precautions:**  
NONE SPECIFIED BY MANUFACTURER.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
SCC

**Flash Point:**

**Flash Point Text:**  
78.3F,25.7C

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/DETR

**Lower Limits:**  
N/DETERMINED

**Upper Limits:**  
N/DETERMINED

**Extinguishing Media:**  
ALCOHOL FOAM

**Fire Fighting Procedures:**  
NONE SPECIFIED BY MANUFACTURER.

**Unusual Fire/Explosion Hazard:**  
FLAMMMABLE;MAY EMIT TOXIC FUMES 5

## Physical/Chemical Properties

**HCC:**  
F6

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

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
244F,118C

**Melt /Freeze Pt:**

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

**Decomp Temp:**

**Decomp Text:**  
NP

**Vapor Pres:**  
N/DETERMIN

**Vapor Density:**  
N/DETERMIN 6

**Volatile Org Content %:**

**Spec Gravity:**  
1.01

**VOC Pounds/Gallon:**

**PH:** 1.09

**VOC Grams/Liter:**

**Viscosity:**  
NP

**Evaporation Rate & Reference:**  
0.03 (WATER=1)

**Solubility in Water:**  
SOLUBLE

**Appearance and Odor:**  
LIQUID, CLEAR, DARK RED, FRUITY ODOR

**Percent Volatiles by Volume:**  
NP

**Corrosion Rate:**  
0.001

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
HEAT, FLAMES, CONTACT W/OXIDIZERS.

**Materials To Avoid:**  
OXIDIZERS

**Hazardous Decomposition Products:**  
MAY EMIT TOXIC FUMES OF CARBON MONOXIDE AND CARBON DIOXIDE IN FIRE

**Hazardous Polymerization Indicator:**  
N/P

**Conditions To Avoid Polymerization:**  
NONE SPECIFIED BY MANUFACTURER.

## 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