

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-775/77536-68-6.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
77536-68-6

**Code:**  
M

**RTECS:**  
C16560000

**Code:**  
M

**Name:**  
FIBROUS TREMOLITE, TREMOLITE ASBESTOS (CONFIRMED)

**Other REC Limits:**  
5 FB/CC

**OSHA PEL:**  
0.2 F/CC

**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
2 FB/CC

**Code:**  
M

**ACGIHSTEL:**  
N/P

**Code:**

## Control Measures

**Respiratory Protection:**  
NIOSH/MSHA APPROVED RESPIRATOR: 10X PEL-HALF-MASK AIR-PURIFYING RESPIRATOR W/HEPA FILTERS; 50X PEL-FULL FACE PIECE AIR-PURIFYING RESPIRATOR W/HEPA FILTERS; 100X PEL-POWERED AIR-PURIFYING RESPIRATOR W/HEPA FILTERS OPERATED IN CONTINUOUS FLOW

**Ventilation:**  
ADEQUATE EXHAUST & CAPTURE FILTRATION. HAND/POWER OPERATED TOOLS MUST BE EQUIPPED W/LOCAL EXHAUST SYSTEMS.

**Protective Gloves:**  
RECOMMENDED

**Eye Protection:**  
GOGGLES

**Other Protective Equipment:**  
Equipment FOR CONCENTRATIONS >OSHA PELS: COVERALLS, WHOLE-BODY CLOTHING, HOOD COVERINGS, GLOVES FOOT COVERINGS ARE REQUIRED.

**Work Hygienic Practices:**  
FOLLOW GOOD HOUSEKEEPING PRACTICES. DON'T TAKE PROTECTIVE EQUIPMENT/CLOTHING HOME. 4

**Supplemental Safety and Health:**  
MELTING POINT: 2400F (FUSION POINT). SPILLS CONT'D: CLEANUP PERSONNEL SHOULD WEAR APPROVED RESPIRATORS & PROTECTIVE CLOTHING. WASTE & CONTAMINATED CLOTHING MUST BE PLACED IN DUST-TIGHT CONTAINERS & LA BELED FOR DIPOSAL. WASTE CONT'D: DISPOSE WASTE CONTAINERS IN A SECURED LANDFILL IAW/LOCAL, STATE & FEDERAL REGULATIONS.

## Health Hazards Data

**LD50LC50Mixture:**  
N/P

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

**Skin:**  
NO

**Ingestion:**  
YES

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
YES

**OSHA:**  
YES

**Health Hazards Acute And Chronic:**  
INHALATION: MAY IRRITATE THE RESPIRATORY TRACT. OVEREXPOSURE TO ASBESTOS HAS CAUSED DAMAGE TO LUNGS(ASBESTOSIS), LUNG CANCER & MESOTHELIOMA OF THE PLEURA & PERITONEUM, PLEURAL THICKENING, PLAQUES & EF FUSION. SKIN: ASBESTOS SPLINTERS PENETRATE & CAUSE ASBESTOS CORNS. EYES: IRRITATION. INGESTION: GI & LARYNGEAL CANCER.

**Explanation Of Carcinogenicity:**  
SEE INGREDIENTS. 2

**Signs And Symptoms Of Overexposure:**  
IRRITATION, DIFFICULTY IN BREATHING, CORNS, ABRASIONS, LABORED BREATHING, CHEST PAINS, WEAKNESS, CHEST TIGHTNESS.

**Medical Cond Aggravated By Exposure:**  
LUNG DISORDERS.

**First Aid:**  
INHALATION: REMOVE TO FRESH AIR. GIVE OXYGEN/CPR IF NEEDED. SKIN: REMOVE ASBESTOS SLIVERS PROMPTLY. IF ASBESTOS CORN DEVELOPS, SURGICAL REMOVAL MAY BE REQUIRED. EYES: IRRIGATE GENTLY W/WATER FOR 15 MI NS. OBTAIN MEDICAL ATTENTION IN ALL CASES. NOTES TO PHYSICIAN: A MEDICAL SURVELLANCE PROGRAM MUST BE ESTABLISHED FOR ASBESTOS-EXPOSED PERSONS FOR ASBESTOS.

**Spill Release Procedures:**  
AVOID BREATHING DUST. PERMIT ONLY TRAINED CLEANUP PERSONNEL IN AREA. USE APPROVED RESPIRATORS & PROTECTIVE CLOTHING. USE WET METHODS/APPROVED VACUUM CLEANING SYSTEM. USE WATER/OTHER DUST SUPPRESSANTS WHERE SWEEPING IS UNAVOIDABLE. DON'T STIR UP.

**Neutralizing Agent:**  
N/K

**Waste Disposal Methods:**  
BAGS, FRIABLE ASBESTOS, WASTE & SCRAP MATERIAL SHOULD BE DISPOSED OF IN A MANNER WHICH WILL AVOID AIRBORNE CONCENTRATIONS OF ASBESTOS. ASBESTOS IS CLASSIFIED AS HAZARDOUS MATERIAL UNDER CWA 307 (A) & HAS A REPORATABLE QUANTITY OF 1 LB. (SEE SUPP)

**Handling And Storage Precautions:**  
FOR INDUSTRIAL USE ONLY. STORE ASBESTOS IN CLOSED CONTAINERS(DUST TIGHT)IN A CLEAN, DRY SECURE AREA. PROTECT CONTAINERS FROM DAMAGE.

**Other Precautions:**  
DON'T OPEN CONTAINERS THAT CAN RELEASE DUST W/O PROPER ENCLOSURE/CONTROL MEASURES. USE DUST SUPPRESSION CONTROL MEASURES AT STAGES OF ASBESTOS HANDLING, USE & DISPOSAL. AVOID INHALATION OF ASBESTOS. D ON'T CREATE/BREATHE DUST.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/P

**Flash Point:**

**Flash Point Text:**  
N/K 3

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/A

**Lower Limits:**  
N/K

**Upper Limits:**  
N/K

**Extinguishing Media:**  
USE MEDIA APPROPRIATE FOR SURROUNDING MATERIAL IN FIRE SITUATION.

**Fire Fighting Procedures:**  
AVOID MEDIA & PROCEDURES THAT CAUSE AIRBORNE DUST. PERSONNEL INVOLVED IN FIRE FIGHTING SHOULD USE NIOSH/MSHA APPROVED SCBA & FULL PROTECTION CLOTHING.

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

## Physical/Chemical Properties

**HCC:**

**NRC/State LIC No:**

**Net Prop WT For Ammo:**

**Boiling Point:**

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

**Melt/Freeze Pt:**

**M.P/F.P Text:**  
(SEE SUPP)

**Decomp Temp:**

**Decomp Text:**  
N/K

**Vapor Pres:**  
N/R

**Vapor Density:**  
N/R

**Volatile Org Content %:**

**Spec Gravity:**  
2.9-3.2

**VOC Pounds/Gallon:**

**PH:** N/K

**VOC Grams/Liter:**

**Viscosity:**  
N/P

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

**Solubility in Water:**  
INSOLUBLE

**Appearance and Odor:**  
WHITE TO PALE GREEN W/RIGID FIBERS; ODORLESS

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

**Corrosion Rate:**  
N/K

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
TEMP >2400F

**Materials To Avoid:**  
NONE

**Hazardous Decomposition Products:**  
NONE 5

**Hazardous Polymerization Indicator:**  
NO

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

## 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