

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-744/7447-41-8.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
7447-41-8  
**Code:**  
M

**RTECS:**  
OJ5950000  
**Code:**  
M

**Name:**  
LITHIUM CHLORIDE

**Other REC Limits:**  
NOT ESTABLISHED

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

**OSHA STEL:**

**Code:**

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

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

## Control Measures

**Respiratory Protection:**  
USE NIOSH/MSHA APPROVED RESPIRATOR FOR DUST/MIST IF ABOVE PEL/TLV OR SCBA IN AN ENCLOSED AREA.

**Ventilation:**  
LOCAL/GENERAL TO MAINTAIN PEL/TLV.

**Protective Gloves:**  
IMPERVIOUS

**Eye Protection:**  
SAFETY GLASSES/GOGGLES

**Other Protective Equipment:**  
Equipment PROTECTIVE CLOTHINGS.EYE-WASH FACILITIES,SAFETY SHOWER. 5

**Work Hygienic Practices:**  
AVOID CONTACT WITH EYES AND SKIN;DO NOT BREATHE VAPORS/MIST/DUST.WASH THOROUGHLY AFTER EACH USE.

**Supplemental Safety and Health:**  
MSDS UNDATED

## Health Hazards Data

**LD50LC50Mixture:**  
N/K

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

**Skin:**  
YES

**Ingestion:**  
N/P 3

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
ACUTE:IRRITATION OF EYES,SKIN,RESPIRATORY OR G,I,TRACT OR NAUSEA,VOMITING AND LACK OF CO-ORDINATION.CHRONIC:INCRÉASED BONE DENSITY,HARDENING OF LIGAMENTS.

**Explanation Of Carcinogenicity:**  
DATA PER MGF MSDS.

**Signs And Symptions Of Overexposure:**  
SEE HEALTH HAZARDS DATA.

**Medical Cond Aggravated By Exposure:**  
PRE-EXISTING CONDITIONS MAY BE WORSEN.

**First Aid:**  
EYES AND SKIN:FLUSH WITH LARGE AMOUNT OF WATER FOR ABOUT 15-20 MINUTES;SEEK MEDICAL ATTENTION IMMEDIATELY.INHALATION:REMOVE TO FRESH AIR;CALL A PHYSICIAN.INGESTION:SEEK MEDICAL ATTENTION IMMEDIATELY.

**Spill Release Procedures:**  
FIRE PROPER PERSONAL PROTECTION;SWEEP UP OR VACUUM AND COLLECT FOR PROPER DISPOSAL IN AN APPROVED CONTAINER.

**Neutralizing Agent:**  
N/R

**Waste Disposal Methods:**  
CONSULT LOCAL AUTHORITIES;DISPOSAL MUST BE IN ACCORDANCE WITH LOCAL,STATE AND FEDERAL REGULATIONS

**Handling And Storage Precautions:**  
STORE IN COOL,DRY AND WELL VENTILATED AREA.KEEP CONTAINER CLOSED WHEN NOT IN USE.

**Other Precautions:**  
WASH THOROUGHLY AFTER EACH USE. 4

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/P

**Flash Point:**

**Flash Point Text:**  
NONE

**Autoignition Temp:**

**Autoignition Temp Text:**  
NONE

**Lower Limits:**  
N/R

**Upper Limits:**  
N/R

**Extinguishing Media:**  
NOT FLAMMMABLE ;USE CARBON DIOXIDE, FOAM, DRY CHEMICAL, OR WATER FOG FOR SURROUNDING FIRE.

**Fire Fighting Procedures:**  
FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

**Unusual Fire/Explosion Hazard:**  
NONE EXPECTED

## Physical/Chemical Properties

**HCC:**  
N1

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

**Net Prop WT For Ammo:**

**Boiling Point:**

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

**Melt/Freeze Pt:**

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

**Decomp Temp:**

**Decomp Text:**  
UNKNOWN

**Vapor Pres:**  
N/R

**Vapor Density:**  
N/R

**Volatile Org Content %:**

**Spec Gravity:**  
2.34

**VOC Pounds/Gallon:**

**PH:** N/P

**VOC Grams/Liter:**

**Viscosity:**  
N/P

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

**Solubility in Water:**  
COMPLETE

**Appearance and Odor:**  
WHITE POWDER, MODERATELY HYDROSCOPIC

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

**Corrosion Rate:**  
UNKNOWN

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
HIGH TEMPERATURES

**Materials To Avoid:**  
ALKALINE MATERIALS, AMMONIA 6

**Hazardous Decomposition Products:**  
CHLORIDE, FLUORIDE, ZINC

**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