

# MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-334/33454-82-9.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**

33454-82-9

**Code:**

M

**RTECS:****Code:**

X

**Name:**

LITHIUM TRIFLUOROMETHANE SULFONATE

**Other REC Limits:**

0.1 MG/M3 (MFR)

**OSHA PEL:**

NOT ESTABLISHED

**Code:**

M

**OSHA STEL:****Code:****ACGIH TLV:**

NOT ESTABLISHED

**Code:**

M

**ACGIH STEL:**

N/P

**Code:**

## Control Measures

**Respiratory Protection:**

4 SCBA (FIRE); FULL-FACE RESPIRATOR WITH PARTICULATE/ORGANIC CARTRIDGE (SPILL).

**Ventilation:**

IN CASE OF VENTING, PROVIDE AS MUCH VENTILATION AS POSSIBLE.

**Protective Gloves:**

BUTYL GLOVES.

**Eye Protection:**

SAFETY GLASSES

**Other Protective Equipment:**

Equipment NONE.

**Work Hygienic Practices:**

MFR: ? HMIS: USE GOOD INDUSTRIAL HYGIENE PRACTICE. AVOID UNNECESSARY CONTACT. WASH THOROUGHLY BEFORE EATING OR DRINKING.

**Supplemental Safety and Health:**

KEY2:KT

## Health Hazards Data

**LD50/LC50/Mixture:**

NO INFORMATION GIVEN ON MSDS BY MFR.

**Route Of Entry Inds - Inhalation:**

YES

**Skin:**

YES

**Ingestion:**

YES

**Carcinogenicity Inds - NTP:**

NO

**IARC:**

NO

**OSHA:**

NO

**Health Hazards Acute And Chronic:**

THERE IS NO HAZARD UNTIL THE BATTERY CASE IS RUPERTED OR VENTED THROUGH PHYSICAL OR ELECTRICAL ABUSE AND THE USER COMES IN CONTACT WITH SOME OF THE INTERNALS. OF THE INTERNAL COMPONENTS, THEY MAY BE IRRITATING, SLIGHTLY TOXIC AND/OR CORROSIVE.

**Explanation Of Carcinogenicity:**

NOT RELEVANT. 3

**Signs And Symptoms Of Overexposure:**

IRRITATION OF SKIN OR EYES. LITHIUM CAN CAUSE THERMAL & CHEMICAL BURNS UPON CONTACT WITH SKIN. DIMETHOXY ETHER MAY BE A REPRODUCTIVE HAZARD.

**Medical Cond Aggravated By Exposure:**

AN ACUTE EXPOSURE WILL NOT GENERALLY AGGRAVATE ANY MEDICAL CONDITION.

**First Aid:**

IN CASE OF CONTACT WITH CONTENTS OF BATTERY: SKIN: FLUSH IMMEDIATELY WITH WATER. EYE: FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MIN. INHAL: DO NOT INHALE VENTED MATERIAL. IF IRRITATION PERSISTS, GET MEDICAL HELP.

**Spill Release Procedures:**

PREF RESPONSE IS TO LEAVE AREA & ALLOW BATTERIES TO COOL & VAPOR TO DISSIPATE. AVOID SKIN/EYE CONTACT OR INHALATION OF VAPORS. REMOVE SPILLED LIQUID W/ABSORBENT & INCINERATE. PREFERABLY, CLEAN-UP CREW SHOULD WEAR FULL-FACE RESPIRATOR.

**Neutralizing Agent:**

NONE SPECIFIED BY MANUFACTURER.

**Waste Disposal Methods:**

DISPOSE IN ACCORDANCE WITH APPROPRIATE REGULATIONS AND WITH THE RECOMMENDATIONS IN THE DURACELL TECHNICAL BULLETIN. OPEN CELLS SHOULD BE TREATED AS HAZARDOUS WASTE.

**Handling And Storage Precautions:**

AVOID MECHANICAL OR ELECTRICAL ABUSE.

**Other Precautions:**

BATTERIES MAY EXPLODE, PYROLYZE, OR VENT IF DISASSEMBLED, CRUSHED, RECHARGED OR EXPOSED TO FIRE OR HIGH TEMPERATURE. DO NOT SHORT OR INSTALL WITH INCORRECT POLARITY.

## Fire and Explosion Hazard Information

**Flash Point Method:**

N/P

**Flash Point:**

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**Flash Point Text:**

NON-FLAMMABLE

**Autoignition Temp:**

N/A

**Autoignition Temp Text:**

N/A

**Lower Limits:**

UNKNOWN

**Upper Limits:**

UNKNOWN

**Extinguishing Media:**

WATER.

**Fire Fighting Procedures:**

PREFERRED PROCEDURE IS TO RAPIDLY COOL BATTERIES AND ADJACENT STRUCTURES WITH WATER. HMIS: WEAR SCBA AND FULL PROTECTIVE GEAR.

**Unusual Fire/Explosion Hazard:**

CELLS CAN VENT WHEN SUBJECTED TO EXCESSIVE HEAT. WHEN LARGE NUMBERS OF CELLS ARE INVOLVED IN FIRE, FIRE FIGHTERS SHOULD USE SCBA.

## Physical/Chemical Properties

**HCC:**

N1

**NRC/State Lic No:**

UNKNOWN

**Net Prop WT For Ammo:**

N/A

**Boiling Point:**

UNKNOWN

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

UNKNOWN

**Melt./Freeze Pt:**

UNKNOWN

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

UNKNOWN

**Decomp Temp:**

UNKNOWN

**Decomp Text:**

UNKNOWN

**Vapor Pres:**

UNKNOWN

**Vapor Density:**

UNKNOWN

**Volatile Org Content %:**

UNKNOWN

**Spec Gravity:**

UNKNOWN

**VOC Pounds/Gallon:**

UNKNOWN

**PH:**

UNKNOWN

**HOC:**

UNKNOWN

**VOC Grams/Liter:**

UNKNOWN

**Viscosity:**

N/P

**Evaporation Rate & Reference:**

UNKNOWN

**Appearance and Odor:**

BATTERIES

**Percent Volatiles by Volume:**

N/K

**Corrosion Rate:**

UNKNOWN

## Reactivity Data

**Stability Indicator:**

UNKNOWN

**Stability Condition To Avoid:**

UNKNOWN

**Materials To Avoid:**

UNKNOWN

**Hazardous Decomposition Products:**

UNKNOWN

**Hazardous Polymerization Indicator:**

UNKNOWN

**Conditions To Avoid Polymerization:**

UNKNOWN

## Toxicological Information

**Information:**

N/P

**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



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