

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-100/100-79-8.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
100-79-8

Code:
M

RTECS:
J10400000

Code:
M

Name:
DIOXOLANE

Other REC Limits:
N/K

OSHA PEL:
N/K

Code:
M

OSHA STEL:

Code:

ACGIH TLV:

N/K

Code:
M

ACGIHSTEL:

N/P

Code:

Control Measures

Respiratory Protection:
NOT NECESSARY UNDER CONDITIONS OF NORMAL USE.

Ventilation:
NOT NECESSARY UNDER CONDITIONS OF NORMAL USE.

Protective Gloves:
AS REQUIRED.

Eye Protection:
AS REQUIRED.

Other Protective Equipment:
Equipment N/K

Work Hygienic Practices:
N/K

Supplemental Safety and Health:
THIONYL CHLORIDE IS CORROSIVE TO METALS & PLASTICS.

Health Hazards Data

LD50LC50Mixture:

N/K

Route Of Entry Inds - Inhalation:

NO

Skin:

YES

Ingestion:

YES

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:
SKIN/EYES: CHEMICAL BURNS, IRRITATION, & HARMFUL. INGESTION: HARMFUL.

Explanation Of Carcinogenicity:

NONE

Signs And Symptions Of Overexposure:

SKIN/EYES: CHEMICAL BURNS, IRRITATION, & HARMFUL. INGESTION: HARMFUL.

Medical Cond Aggravated By Exposure:

N/K

First Aid:
SKIN: WASH W/SOAP & WATER. EYES: FLUSH THOROUGHLY W/WATER & CONTINUE FLUSHING FOR AT LEAST 15 MINS. INGESTION: OBTAIN MEDICAL ATTENTION IN ALL CASES.

Spill Release Procedures:
WEAR PROTECTIVE EQUIPMENT & VENTILATE AREA. NEUTRALIZE W/LIME OR OTHER BASIC SUBSTANCES.

Neutralizing Agent:
LIME OR OTHER BASIC SUBSTANCES

Waste Disposal Methods:
DON'T RECHARGE, WHICH CAUSES LEAKAGE/EXPLOSION. BURY IN LANDFILL ACCORDING TO APPROPRIATE FEDERAL/STATE/LOCAL REGS AS HAZARDOUS WASTE. DON'T PUNCTURE/MUTILATE/INCINERATE. SUBMERSE EXPOSED LITHIUM FOIL IN MINERAL OIL IN PLASTIC BAGS TO SOXIDATION.

Handling And Storage Precautions:
AVOID FUME INHALATION IN FIRE/CONTACT W/SKIN/EYE/INGESTION/PROLONGED SHORT CIRCUIT/METAL COVERED TABLE/BELT/OPENING/SEAL DAMAGE. STORE IN COOL PLACE.

Other Precautions:
PREVENT CONDENSATION. AVOID HIGH TEMPS, WHICH RESULTS IN SHORTENED BATTERY LIFE. DON'T JUMBLE BATTERY IN BULK CONTAINER. APPLY INSULATING MATERIAL TO ASSEMBLY WORK SURFACE. SOLDER/WELD W/PRECAUTION. S TORE IN CLIMATE CONTROLLED WAREHOUSE. 3

Fire and Explosion Hazard Information

Flash Point Method:

N/P

Flash Point:

Flash Point Text:

N/K

Autoignition Temp:

Autoignition Temp Text:

N/A

Lower Limits:

N/K

Upper Limits:

N/K

Extinguishing Media:
WATER/CO2/DRY CHEMICAL. LITHIUM FIRE: LITH-X (GRAPHITE BASE)/DON'T USE WATER/CO2/DRY CHEMICAL/FOAM/HALOGEN EXTINGUISHER.

Fire Fighting Procedures:
WEAR SELF-CONTAINED BREATHING APPARATUS & FULL PROTECTIVE CLOTHING IN ADJACENT AREA. USE WATER TO COOL BATTERY ONLY IF LITHIUM FOIL ISN'T EXPOSED.

Unusual Fire/Explosion Hazard:
BATTERY RUPTURES AT HIGH TEMPS. RECHARGING OF BATTERY CAUSES AN EXPLOSION. INCINERATION MAY VAPORIZE/VENT THE LIQUID ELECTROLYTE/CAUSE CELL TO RUPTURE.

Physical/Chemical Properties

HCC:

NRC/State LIC No:

Net Prop WT For Ammo:

Boiling Point:

B.P. Text:

168.8F 4

Melt/Freeze Pt:

M.P/F.P Text:

N/K

Decomp Temp:

Decomp Text:

N/K

Vapor Pres:

N/K

Vapor Density:

N/K

Volatile Org Content %:

Spec Gravity:

N/K

VOC Pounds/Gallon:

PH: N/K

VOC Grams/Liter:

Viscosity:

N/P

Evaporation Rate & Reference:

N/K

Solubility in Water:

N/K

Appearance and Odor:

N/K

Percent Volatiles by Volume:

N/K

Corrosion Rate:

N/K

Reactivity Data

Stability Indicator:

YES

Stability Condition To Avoid:
ELEVATED TEMPERATURES >212F

Materials To Avoid:
WATER IN ANY FORM, CONDUCTIVE MATERIALS, &CORROSIVE COMPOUNDS

Hazardous Decomposition Products:
CAUSTIC SMOKE OF LITHIUM OXIDE, HYDROGEN, SULFUR DIOXIDE GAS, &HYDROGEN CHLORIDE

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

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WARRANTY

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