

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-779/7791-03-9.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:
7791-03-9

Code:
M

RTECS:

Code:
X

Name:
LITHIUM PERCHLORATE

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:
NOT NECESSARY UNDER NORMAL CONDITIONS OF USE. WEAR NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WHEN LARGE NUMBERS OF CELLS ARE INVOLVED IN A FIRE.

Ventilation:
ADEQUATE

Protective Gloves:
RUBBER FOR LEAKERS

Eye Protection:
GOGGLES FOR LEAKERS

Other Protective Equipment:
Equipment EYE BATH, WASHING FACILITIES

Work Hygienic Practices:
OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH THOROUGHLY BEFORE EATING, DRINKING/SMOKING.

Supplemental Safety and Health:
N/P

Health Hazards Data

LD50LC50Mixture:
LD50 (ORAL, RAT) IS UNKNOWN.

Route Of Entry Inds - Inhalation:
NO

Skin:
NO

Ingestion:
NO

Carcinogenicity Inds - NTP:
NO

IARC:
NO

OSHA:
NO

Health Hazards Acute And Chronic:
THESE CHEMICALS ARE CONTAINED IN A SEALED CAN. RISK OF EXPOSURE OCCURS ONLY IF BATTERY IS MECHANICALLY/ELECTRICALLY ABUSED. ACUTE & CHRONIC- ELECTROLYTE (DME) IS SLIGHTLY TO MODERATELY TOXIC. MAY CAUS E EYE, SKIN & MUCOUS MEMBRANES IRRITATION.

Explanation Of Carcinogenicity:
NONE

Signs And Symptions Of Overexposure:
NONE. IF BROKEN OR IN FIRE: IRRITATION

Medical Cond Aggravated By Exposure:
NONE 4

First Aid:
IF BROKEN/FIRE: GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED:MOVE TO FRESH AIR. EYES:IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. SKIN:WASH WITH WATER. ORAL:IF BATTERY/OPEN BATTERY IS INGESTED, DO NOT INDUCE VOMITING ORGIVE FOOD/DRINK. SEEK IMMEDIATE MEDICAL ATTENTION. CALL NATIONAL BATTERY INGESTION HOTLINE FOR ADVICE & FOLLOWUP (202-625-3333).

Spill Release Procedures:
IF BROKEN, ALLOW BATTERIES TO COOL AND VAPORS TO DISSIPATE. AVOID EYES AND SKIN CONTACT. REMOVE SPILLED LIQUID WITH INERT ABSORBENT AND INCINERATE.

Neutralizing Agent:
NOT RELEVANT

Waste Disposal Methods:
DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. OPEN CELLS SHOULD BE TREATED AS HAZARDOUS WASTE.

Handling And Storage Precautions:
STORE IN COOL, DRY PLACE. BATTERIES MAY EXPLODE OR CAUSE BURNS, IF DISASSEMBLED, CRUSHED, RECHARGED, EXPOSED TO FIRE OR HIGH TEMPERATURE.

Other Precautions:
DO NOT INCINERATE. DO NOT TOUCH BROKEN OR LEAKING BATTERIES. AVOID MECHANICAL OR ELECTRICAL ABUSE. DO NOT ATTEMPT TO RECHARGE. AVOID SHORT CIRCUITS. DO NOT CARRY BATTERIES LOOSE IN POCKET OR BAG. KEEP BATTERJES AWAY FROM SMALL CHILDREN.

Fire and Explosion Hazard Information

Flash Point Method:
N/P

Flash Point:

Flash Point Text:
NONE

Autoignition Temp:

Autoignition Temp Text:
N/R

Lower Limits:
NOT RELEVANT

Upper Limits:
NOT RELEVANT

Extinguishing Media:
FOR BURNING BATTERIES IN BULK QUANTITIES OF UNPACKED CELLS, USE CLASS D EXTINGUISHERS; LITH-X, POWDERED GRAPHITE

Fire Fighting Procedures:
5 NO WATER, SAND, CARBON DIOXIDE, SODA-ACID OR HALOGENATED EXTINGUISHERS. WEAR NIOSH-APPROVED SELF CONTAINED BREATHING APPARATUS & FULL PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard:
HAZARDOUS DECOMPOSITION PRODUCTS MAY BE FORMED.

Physical/Chemical Properties

HCC:
N1

NRC/State LIC No:
NOT RELEVANT

Net Prop WT For Ammo:
6

Boiling Point:

B.P. Text:
N/R

Melt/Freeze Pt:

M.P/F.P Text:
N/R

Decomp Temp:

Decomp Text:
UNKNOWN

Vapor Pres:
N/R

Vapor Density:
N/R

Volatile Org Content %:

Spec Gravity:
NOT RELEVANT

VOC Pounds/Gallon:

PH: N/R

VOC Grams/Liter:

Viscosity:
NOT RELEVANT

Evaporation Rate & Reference:
NOT RELEVANT

Solubility in Water:
NOT RELEVANT

Appearance and Odor:
BATTERY - ODORLESS

Percent Volatiles by Volume:
N/R

Corrosion Rate:
N/R

Reactivity Data

Stability Indicator:
YES

Stability Condition To Avoid:
FIRE, HEAT, MOISTURE, RECHARGE, DISASSEMBLE

Materials To Avoid:
WATER WITH INTERNAL CONTNETS

Hazardous Decomposition Products:
UNKNOWN

Hazardous Polymerization Indicator:
NO

Conditions To Avoid Polymerization:
NOT RELEVANT

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