

MATERIAL SAFETY DATA SHEET

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

Click <http://www.lookchem.com/cas-138/13863-41-7.html> for suppliers of this product.

Composition/Information on Ingredient

Cas:

13863-41-7

Code:

M

RTECS:

EF9220000

Code:

M

Name:

BROMINE CHLORIDE

Other REC Limits:

N/P

OSHA PEL:

NOT ESTABLISHED

Code:

M

OSHA STEL:

Code:

ACGIH TLV:

NOT ESTABLISHED

Code:

M

ACGIH STEL:

N/P

Code:

Control Measures

Respiratory Protection:

NOT NORMALLY NEEDED. IF WORKING WITH RUPTURED OR LEAKING CELLS, USE NIOSH RESPIRATOR WITH ACID CARTRIDGE, IF VAPORS ARE TROUBLESOME OR WORK IN AREA IS PROLONGED.

Ventilation:

NONE SPECIFIED BY MFR.

Protective Gloves:

RUBBER/VINYL TO HANDLE LEAKERS 5

Eye Protection:

SAFETY GLASSES

Other Protective Equipment:

Equipment NONE

Work Hygienic Practices:

USE NORMAL PERSONAL HYGIENE. IF WORKING WITH LEAKERS, ETC., USE NORMAL CHEMICAL HYGIENE PRACTICES.

Supplemental Safety and Health:

CELLS ARE SUPPLIED BY ENMET FOR THEIR GAS DETECTORS. MSDS DATE DIFFICULT TO READ, MAY BE INCORRECT. INGREDIENTS 2 & 3 ARE LISTED THIS MSDS; 1 & 4 ARE FROM FORMER MSDS. ENMET TELEPHONE: 313-761-1270

Health Hazards Data

LD50/LC50 Mixture:

N/K

Route Of Entry Inds - Inhalation:

YES

Skin:

YES

Ingestion:

NO

Carcinogenicity Inds - NTP:

NO

IARC:

NO

OSHA:

NO

Health Hazards Acute And Chronic:

PRODUCT POSES HEALTH HAZARD ONLY IF OUTER CASE IS RUPTURED OR LEAKING. VAPORS ARE VERY IRRITATING TO EYES, SKIN, RESPIRATORY TRACT.

Explanation Of Carcinogenicity:

N/P

Signs And Symptoms Of Overexposure:

EYE: BURNING, IRRITATION. SKIN: IRRITATING. INHALED: IRRITATION, COUGHING, PULMONARY EDEMA. INGESTED: UNLIKELY. N/K

Medical Cond Aggravated By Exposure:

NONE

First Aid:

EYE: FLUSH WITH WATER. SKIN: FLUSH WITH WATER. INHALED: REMOVE FROM EXPOSURE, GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED. GET MEDICAL ATTENTION IF SYMPTOMS PERSIST OR ARE SEVERE. INGESTED: GET MEDICAL ATTENTION.

Spill Release Procedures:

DO NOT BREATHE VAPORS OR CONTACT LIQUID. SOAK UP W/LIME OR SODA ASH. USE ACID GAS FILTER MASK.

Neutralizing Agent:

N/P

Waste Disposal Methods:

NEUTRALIZE W/SODIUM BICARBONATE AND HYDROLIZE. 4

Handling And Storage Precautions:

DO NOT EXPOSE TO TEMPERATURES ABOVE 72C(162F). STORE IN PROPER REFRIGERATED STORAGE FACILITIES FOR LITHIUM BATTERIES.

Other Precautions:

N/P

Fire and Explosion Hazard Information

Flash Point Method:

N/P

Flash Point:

N/R

Flash Point Text:

N/R

Autoignition Temp:

N/R

Autoignition Temp Text:

N/R

Lower Limits:

N/R

Upper Limits:

N/R

Extinguishing Media:

LITH-X EXTINGUISHER

Fire Fighting Procedures:

WEAR SCBA. DO NOT USE WATER

Unusual Fire/Explosion Hazard:

DO NOT SHORT CIRCUIT, RECHARGE, PUNCTURE, CRUSH OR EXPOSE TO TEMP >72C(162F)

Physical/Chemical Properties

HCC:

Z6

NRC/State LIC No:

N/R

Net Prop WT For Ammo:

N/R

Boiling Point:

N/R

Melt/Freeze Pt:

N/R

Decomp Temp:

N/A

Vapor Pres:

N/R

Vapor Density:

N/R

Volatile Org Content %:

N/R

Spec Gravity:

N/R

VOC Pounds/Gallon:

N/R

PH:

N/P

VOC Grams/Liter:

N/R

Viscosity:

N/R

Evaporation Rate & Reference:

N/R

Solubility in Water:

N/R

Corrosion Rate:

N/P

Reactivity Data

Stability Indicator:

NO

Stability Condition To Avoid:

TEMPERATURES ABOVE 162F.

Materials To Avoid:

NONE SPECIFIED BY MFG.

Hazardous Decomposition Products:

LITHIUM CHLORIDE

Hazardous Polymerization Indicator:

NO

Conditions To Avoid Polymerization:

N/R

Toxicological Information

Information:

N/P

MSDS Transport Information

Information:

N/P

Regulatory Information

Title III Information:

N/P

Federal Regulatory Information:

N/P

State Regulatory Information:

N/P

Other Information

Information:

N/P



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