

EVEREADY BATTERY COMPANY, INC. -- EVEREADY BATTERY LITH-MANG-DIOXIDE --
6135-01-434-1790

===== Product Identification =====

Product ID:EVEREADY BATTERY LITH-MANG-DIOXIDE

MSDS Date:01/08/1998

FSC:6135

NIIN:01-434-1790

Status Code:A

MSDS Number: CHWBZ

=== Responsible Party ===

Company Name:EVEREADY BATTERY COMPANY, INC.

Address:CHECKERBOARD SQUARE

City:ST LOUIS

State:MO

ZIP:63164

Country:US

Info Pho

ne Num:314-982-2000/216-835-7368

Emergency Phone Num:314-982-2000

CAGE:83740

=== Contractor Identification ===

Company Name:EVEREADY BATTERY CO INC

Address:CHECKERBOARD SQ

Box:City:ST LOUIS

State:MO

ZIP:63164

Country:US

Phone:216-835-7368

CAGE:83740

===== Composition/Information on Ingredients =====

Ingred Name:CARBON BLACK

CAS:1333-86-4

RTECS #:FF5800000

Fraction by Wt: 0-1%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:3.5 MG/M3

ACGIH TLV:3.5 MG/M3; 9596

Ingred Name:DIMETHOXY

ETHANE
CAS:110-71-4
RTECS #:KI1451000
Fraction by Wt: 0-6%
Other REC Limits:NONE RECOMMENDED

Ingred Name:1,3-DIOXOLANE
CAS:646-06-0
RTECS #:JH6760000
Fraction by Wt: 0-8%
Other REC Limits:NONE RECOMMENDED

Ingred Name:GRAPHITE, NATURAL
CAS:7782-42-5
RTECS #:MD9659600
Fraction by Wt: 0-3%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:15 MPPCF; Z-3
ACGIH TLV:2 MG/M3 RDUST; 9596

Ingred Name:LITHIUM METAL
CAS:7439-93-2
RTECS #:OJ5540000
Fraction by Wt: 1-6%
Other REC Limits:NONE RECOMMENDED

Ingred Name:LITHIUM PERCHLORATE
CAS:7791-03-9
Fraction by Wt: 0-3%
Other REC Limits:NONE RECOMMENDED

===== Hazards Identification =====

LD50 LC50 Mixture:PRODUCT'S LD50 (ORAL RAT) WAS NOT STATED
Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:UNDER NORMAL CONDITIONS THE BATTERY IS
HERMETICALLY SEALED. SWALLOWING BATTERY CAN BE HARMFUL. CONTENTS OF
OPEN BATTERY CAN CAUSE

BURNS, RESPIRATORY IRRITATION, MAY BE
ABSORBED THROUGH THE SKIN.

Explanation of Carcinogenicity:MANUFACTURER GAVE NO INFORMATION ABOUT
CARCINOGENICITY. HMIS FOUND NO LISTING & DOES NOT EXPECT IT TO BE
CARCINOGENIC.

Effects of Overexposure:EXPOSURE TO INTERNAL BATTERY-EYE:BURNS,
IRRITATION. SKIN:BURNS, IRRITATION, ABSORPTION OF TOXIC AMOUNTS.
INHALATION:RESPIRATORY IRRITATION. INGESTED:G/I BURNS, IRRITATION.

Medical Cond Aggravated by Exposure:MFR GAVE NO INFORMATION ON MSDS.

===== First Aid Measures =====

First Aid:IF IRRITATION PERSISTS OR IS SEVERE, GET IMMEDIATE MEDICAL
ATTENTION. INGESTION:DO NOT INDUCE VOMITING NOR GIVE FOOD OR DRINK.
SEEK MEDICAL ATTENTION IMMEDIATELY. CALL NATIONAL BATTERY INGESTION
HOTLINE FOR ADVICE & FOLLOW-UP (202-625-3333) COLLECT, DAY OR
NIGHT. INHALATION:PROVIDE FRESH AIR. SKIN:REMOVE CONTAMINATED
CLOTHING & WASH SKIN W/SOAP & WATER. EYE:FLUSH THOROUGHLY W/WATER
FOR 15 MI
N.

===== Fire Fighting Measures =====

Extinguishing Media:APPLY METL-X, SAND, DRY GROUND, DOLOMITE, OR SODA
ASH, OR FLOOD THE AREA WITH WATER.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD WEAR SELF-CONTAINED
BREATHING APPARATUS. BURNING LITHIUM-MANGANESE DIOXIDE BATTERIES
PRODUCE TOXIC & CORROSIVE LITHIUM HYDROXIDE FUME.

Unusual Fire/Explosion Hazard:IN CASE OF FIRE W/LITHIUM BATTERIES
PRESENT, FLOOD AREA W/WATER. IF BATTERIES ARE BURNING, WAT
ER MAY
NOT EXTINGUISH THEM BUT WILL CONTROL SPREAD OF THE FIRE.

===== Accidental Release Measures =====

Spill Release Procedures:MFR GAVE NO INFORMATION ON MSDS.

Neutralizing Agent:MFR GAVE NO INFORMATION ON MSDS.

===== Handling and Storage =====

Handling and Storage Precautions:STORE IN COOL, WELL VENTILATED AREA.
ELEVATED TEMPERATURES CAN RESULT IN SHORTENED BATTERY LIFE. AVOID
ACCIDENTAL OR INADVERTENT SHORT CIRCUIT

TS.

Other Precautions:BATTERY IS MANUFACTURED CHARGED & IS NOT DESIGNED FOR RECHARGING. RECHARGING CAN CAUSE LEAKAGE &/OR HIGH PRESSURE RUPTURE. INADVERTANT CHARGING CAN OCCUR IF BATTERY IS INSTALLED BACKWARDS. DO NOT OBST RUCT SAFETY RELEASE VENTS ON BATTERY.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:NOT NECESSARY UNDER NORMAL CONDITIONS.

Ventilation:NOT NECESSARY UNDER NORMAL CONDITIONS.

Protective Gloves:NOT NECESSARY UNDER NORMAL CONDITIONS.

Eye Protection:NOT NECESSARY UNDER NORMAL CONDITIONS.

Other Protective Equipment:WEAR SAFETY GLASSES W/SIDE SHIELDS AND NEOPRENE OR RUBBER GLOVES IF HANDLING OPEN OR LEAKING BATTERY.

Work Hygienic Practices:USE GOOD CHEMICAL HYGIENE PRACTICES. AVOID CONTACT IF AT ALL POSSIBLE. WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

IF SOLDERING OR WELDING IS REQUIRED, CONSULT EVEREADY REPRESENTATIVE FOR PROPER PRECAUTIONS TO PREVENT SEAL DAMAGE OR SHORT CIRCUIT.

IF

POTTING OR SEALING IS REQUIRED CONTACT EVEREADY REPRESENTATIVE FOR PROPER PRECAUTIONS. HYDROGEN IS EVOLVED & IF MIXED W/ OXYGEN IN AIR, MAY PRODUCT AN EXPLOSIVE MIXTURE.

===== Physical/Chemical Properties =====

HCC:N1

NRC/State Lic Num:NONE

Appearance and Odor:MFR GAVE NO PHYSICAL/CHEMICAL INFORMATION ON MSDS.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

MFR GAVE NO INFORMATION ON MS

DS.

Stability Condition to Avoid:MFR GAVE NO INFORMATION ON MSDS.

Hazardous Decomposition Products:MFR GAVE NO INFORMATION ON MSDS.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE IN LANDFILL OR APPROPRIATE INCINERATION FACILITY I/A/W ALL APPLICABLE FEDERAL, STATE & LOCAL REGULATIONS.

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