

ELECTROCHEM INDUSTRIES INC -- LITHIUM OXYHALIDE PRIMARY BATTERY CSC & PWR --  
6135-01-340-8836

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

Product ID:LITHIUM OXYHALIDE PRIMARY BATTERY CSC & PWR

MSDS Date:12/13/1990

FSC:6135

NIIN:01-340-8836

MSDS Number: BNBFD

=== Responsible Party ===

Company Name:ELECTROCHEM INDUSTRIES INC

Address:DIV WILSON GREATBATCH LTD

City:CLARENCE

State:NY

ZIP:14031

Country:US

Info

Phone Num:716-759-6901

Emergency Phone Num:716-759-6901

CAGE:6U589

=== Contractor Identification ===

Company Name:ELECTROCHEM INDUSTRIES INC DIV WILSON GREATBATCH

Box:City:CLARENCE

State:NY

ZIP:14031

Country:US

Phone:716-759-6901

CAGE:6U589

Company Name:PRIEBE ELECTRONICS

Address:14807 NE 40TH PL

Box:City:REDMOND

State:WA

ZIP:98052

Country:US

Phone:206-881-2363

CAGE:0EHC8

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

Ingred Name:LITHIUM METAL

CAS:7439-93-2

RTECS #:OJ5540

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Other REC Limits:NONE SPECIFIED

Ingred Name:SULFURYL CHLORIDE

CAS:7791-25-5

RTECS #:WT4870000

Other REC Limits:NONE SPECIFIED

Ingred Name:CHLORINE (SARA III)

CAS:7782-50-5

RTECS #:FO2100000

Other REC Limits:NONE SPECIFIED

OSHA PEL:(C) 1 PPM

ACGIH TLV:0.5 PPM/1 STEL; 9293

EPA Rpt Qty:10 LBS

DOT Rpt Qty:10 LBS

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

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health

Hazards Acute and Chronic:ACUTE: UNDER NORMAL CIRCUMSTANCES

BATTERY IS NOT HEALTH HAZARD. IF BROKEN OPEN, CONTENTS COULD BURN SKIN OR EYES ON CONTACT. VAPORS MAY IRRITATE RESPIRATORY TRACT. CONTENTS MAY BE HARMFUL IF SWALLOWED. CHRONIC: NONE SPECIFIED BY MANUFACTURER.

Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1% OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.

Effects of Overexposure:INHALATION: COUGHING, WHEEZING, SHORTNESS OF BREATH.

EYES: REDNESS, BURNING SENSATION, TEARING. SKIN: REDNESS, BURNING SENSATION. INGESTION: NAUSEA, VOMITING.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALATION: REMOVE PERSON TO FRESH AIR. EYES: FLUSH WITH LOTS OF WATER FOR 15 MINUTES. SEE DOCTOR. SKIN: FLUSH WITH WATER THEN WASH WITH SOAP AND WATER. INGESTED: GET IMMEDIATE MEDICAL ATTENTION.

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===== Fire

Fighting Measures =====

Extinguishing Media:LITH-X

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR.

Unusual Fire/Explosion Hazard:TOXIC FUMES OR VAPORS MAY BE PRODUCED IF INVOLVED IN A FIRE.

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

Spill Release Procedures:SCOOP UP BATTERIES AND PLACE IN A CONTAINER. IF BATTERIES ARE RUPTURED OR BROKEN; CONTAIN SPILL. NEUTRALIZE. MOP OR RINSE AREA. PLACE RESIDUE IN APPROPRIATE CONTAINER FOR LATER DISPOSAL.

Neutralizing Agent:WATER BASED SOLUTION OF 1% IODINE AND 5% POTASSIUM IODIDE

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

Handling and Storage Precautions:STORE IN COOL, DRY PLACE. PREVENT CONDENSATION ON BATTERIES. DO NOT STORE ABOVE 212F.

Other Precautions:DO NOT SOLDER BATTERY TO CASE. DO NOT SOLDER INLESS PRECAUTIONS TAKEN TO PREVENT DAMAGE TO BATTERY CELL.

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

Respiratory Protection:NONE NORMALLY REQUIRED.

Ventilation:NONE SPECIFIED BY MANUFACTURER.

Protective Gloves:NONE NORMALLY REQUIRED.

Eye Protection:NONE NORMALLY REQUIRED.

Other Protective Equipment:NONE NORMALLY REQUIRED.

Work Hygienic Practices:WASH HANDS AFTER USE AND BEFORE EATING, DRINKING, OR SMOKING.

Supplemental Safety and Health

MSDS SENT BY MANUFACTURER GAVE INFO ON BATTERY ONLY NOT CONTENTS. HMIS TECHNICIAN BASED SOME OF HEALTH DATA ON CONTENTS IF BATTERY DAMAGED AND CONTENTS SPILLED.

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

HCC:Z6

Solubility in Water:INSOLUBLE

Appearance and Odor:BATTERY, 0.994 INCHES IN DIAMETER

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

Stability Indicator/Materials to Avoid:YES  
NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid:AVOID OVERCHARGING OR SHORT CIRCUITING. DO NOT CHARGE. DO NOT ENCAPSULATE OR "POT". DO NOT INCINERATE OR USE ABOVE 212F

Hazardous Decomposition Products:LITHIUM HYDROXIDE, SULFUR DIOXIDE,  
THIONYL CHLORIDE, HYDROGEN CHLORIDE, AND CHLORINE GAS.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND  
FEDERAL REGULATIONS. DO NOT INCINERATE OR BURN BATTERY CELLS.

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