

ELECTROCHEM INDUSTRIES, DIV. OF WILSON GREATBATCH -- LITHIUM OXYHALIDE PRIMARY BATTERY (BCX) -- 6135-01-243-5276

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

Product ID:LITHIUM OXYHALIDE PRIMARY BATTERY (BCX)

MSDS Date:01/19/1993

FSC:6135

NIIN:01-243-5276

MSDS Number: BXCPX

=== Responsible Party ===

Company Name:ELECTROCHEM INDUSTRIES, DIV. OF WILSON GREATBATCH

Address:10000 WEHRLE DR.

City:CLARENCE

State:

NY

ZIP:14031-2033

Country:US

Info Phone Num:716-759-6901

Emergency Phone Num:716-759-6901

CAGE:62713

=== Contractor Identification ===

Company Name:BATTERY ASSEMBLERS INC

Address:211-4 KNICKERBOCKER AVE

Box:City:BOHEMIA

State:NY

ZIP:11716

Country:US

Phone:407-323-3390/EM:516-567-8855/8278

CAGE:0B0Y5

Company Name:CONTROL DISTRIBUTORS INC

Address:3524 BRAMBLETON AVE SW

Box:20167

City:ROANOKE

State:VA

ZIP:24018

Country:US

Phone:703-774-4586

CAGE:0AMG8

Company Name:ELECTROCHEM INDUSTRIES, DIV. OF WI

LSON GREATBATCH  
Address:10000 WEHRLE DR.  
City:CLARENCE  
State:NY  
ZIP:14031-2033  
Country:US  
Phone:716-759-5384  
CAGE:62713

Company Name:PLAINVIEW BATTERIES INC  
Address:23 NEWTOWN RD  
Box:City:PLAINVIEW  
State:NY  
ZIP:11803  
Country:US  
Phone:516-249-2873  
CAGE:0LEJ1

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===== Composition/Information on Ingredients =====  
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Ingred Name:LITHIUM METAL  
CAS:7439-93-2  
RTECS #:OJ5540000  
Other REC Limits:NONE RECOMMENDED

Ingred Name:THIONYL CHLORIDE  
CAS:7719-09-7  
RTECS #:XM5150000  
Other REC Limits:  
NONE RECOMMENDED

Ingred Name:BROMINE (SARA III)  
CAS:7726-95-6  
RTECS #:EF9100000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:0.1PPM/0.3 STEL  
ACGIH TLV:O.1PPM/0.3 STEL;9192

Ingred Name:CHLORINE (SARA III)  
CAS:7782-50-5  
RTECS #:FO2100000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:0.5 PPM/1 STEL  
ACGIH TLV:0.5 PPM/1 STEL; 9192  
EPA Rpt Qty:10 LBS  
DOT Rpt Qty:10 LBS

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===== Hazards Identification =====  
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Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO  
Reports of Ca

rcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:NONE SPECIFIED BY MANUFACTURER.  
Explanation of Carcinogenicity:NOT A CARCINOGEN.  
Effects of Overexposure:NONE SPECIFIED BY MANUFACTURER.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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First Aid Measures  
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First Aid:NONE SPECIFIED BY MANUFACTURER.

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Fire Fighting Measures  
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Extinguishing Media:IF CELLS ARE DIRECTLY INVOLVED IN A FIRE, DO NOT USE WATER, CARBON DIOXIDE, DRY CHEMICAL OR HALOGEN EXTINGUISHERS.  
Fire Fighting Procedures:A LITH-X (GRAHITE-BASED) FIRE EXTINGUISHER OR MATERIAL IS THE ONLY RECOMMENDED EXTINGUISHING MEDIA FOR FIRES INVOLVING LITHIUM METAL OR CELLS.  
Unusual Fire/Explosion Hazard:IF A FIRE IS IN AN ADJECENT AREA, AND CELLS ARE PACKED IN THEIR ORIGINAL CONTAINERS, THE FIRE CAN BE FOUGHT BASED ON FUELING MATERIAL, E.G. PAPER OR PALSTIC.

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Accidental Release Measures  
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Spill Release Procedures:NONE SPECIFIED BY MANUFACTURER.

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Handling and Storage  
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Handling and Storage Precautions:ENCAPSULATION WILL NOT ALLOW FOR CELL EXPANSION. SUCH ENCLOSURE CAN RESULT IN HIGH PRESSURE EXPLOSION FROM HEATING DUE TO INADVERTENT CHARGING.  
Other Precautions:IF SOLDERING OR WELDING TO THE TERMINALS OR CASE OF THE CELL IS REQUIRED, EXERCISE PROPER PRECAUTIONS TO PREVENT DAMAGE TO THE CELLS WHICH MAY RESULT IN LOSS OF CELL CAPACITY, SEAL, LEAKAGE OR CELL EX PLOSION. DO NOT SOLDER TO THE CASE.

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Exposure Controls/Personal Protection  
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Respiratory Protection:NONE SPECIFIED BY MANUFACTURER.  
Ventilation:NONE SPECIFIED BY MANUFACTURER.  
Protective Gloves:NONE SPECIFIED BY MANUFACTURER.  
Eye Protection:NONE SPECIFIED BY MANUFACTURER.  
Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.  
Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURE

R.  
Supplemental Safety and Health

THIS PRODUCT IS CLASSIFIED AS AN ARTICLE UNDER OSHA REGULATION 1910-1200 (C). THIS CELL IS A PRIMARY CELL AND IS NOT DESIGNED TO BE CHARGED OR RECHARGED. TO DO SO MAY CAUSE THE CELL TO LEAK OR EXPLODE . DO NOT SHORT CIRCUIT.

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

HCC:V1

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

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

Stabil

ity Condition to Avoid: NONE SPECIFIED BY MANUFACTURER.

Hazardous Decomposition Products: AVOID FUME INHALATION.

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

Waste Disposal Methods: DO NOT INCINERATE OR SUBJECT CELL TO TEMPERATURES IN EXCESS OF 212F(100C). SUCH ABUSE CAN RESULT IN LOSS OF SEAL, LEAKAGE, AND/OR CELL EXPLOSION. DISPOSE OF IN ACCORDANCE WITH APPROPRIATE FEDERAL, STATE AND LOCAL REGULATIONS.

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