

ELECTROCHEM INDUSTRIES, DIV. OF WILSON GREATBATCH -- LITHIUM OXYHALIDE PRIMARY BATTERY (BCX) -- 6135-01-277-2562

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

Product ID:LITHIUM OXYHALIDE PRIMARY BATTERY (BCX)

MSDS Date:01/19/1993

FSC:6135

NIIN:01-277-2562

MSDS Number: CCMTP

=== 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:ELECTROCHEM INDUSTRIES, DIV. OF WILSON GREATBATCH

Address:10000 WEHRLE DR.

City:CLARENCE

State:NY

ZIP:14031-2033

Country:US

Phone:716-759-5384

CAGE:62713

Company Name:NINETECH INTL INC

Address:1064 ROSELLE PL

Box:City:WOODMERE

State:NY

ZIP:11598

Country:US

Phone:516-887-7943

Contract Num:SP0400-01-V-3140

CAGE:0GKF8

===== Composition/Informa

tion on Ingredients =====

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 302)
CAS:7726-95-6
RTECS #:EF9100000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.1 PPM
ACGIH TLV:0.1PPM/0.2 STEL;9596

Ingred Name:CHLORINE (SARA 302/313) (CERCLA)
CAS:7782-50-5
RTECS #:FO2100000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:C 1 PPM
A
CGIH TLV:0.5 PPM/1 STEL; 9596
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

===== 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: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.

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

First Aid:NONE SPECIFIED BY MANUFACTURER.

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

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/Explo

sion 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.

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

Spill Release Procedures:NONE SPECIFIED BY MANUFACTURER.

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

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.

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

Respiratory Protection:NONE SPECIFIED BY MANUFACTURER.

Ventilation:NONE SPECIFIED BY MANUFACTURER.

Prot

ective Gloves:NONE SPECIFIED BY MANUFACTURER.

Eye Protection:NONE SPECIFIED BY MANUFACTURER.

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.

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:Z6

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

Stability Indicator/Materials to Avoid:YES

NONE SPECIFIED BY MANUFACTURER.

Stability 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 C

AN RESULT IN LOSS

OF SEAL, LEAKAGE, AND/OR CELL EXPLOSION. DISPOSE OF IN ACCORDANCE WITH APPOPRIATE FEDERAL, STAT E AND LOCAL REGULATIONS.

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