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ELECTROCHEM INDUSTRIES, DIV. OF WILSON GREATBATCH -- LITHIUM OXYHALIDE PRIMARY BATTERY (BCX) -- 6135-01-300-6481

Product ID:LITHIUM OXYHALIDE PRIMARY BATTERY (BCX)

MSDS Date:01/19/1993

FSC:6135

NIIN:01-300-6481

MSDS Number: BXFZB === Responsible Party ===

Company Name: ELECTROCHEM INDUSTRIES, DIV. OF WILSON GREATBATCH

Address:10000 WEHRLE DR.

City:CLARENCE

State:

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: SMITHS INDUSTRIES AEROSPACE & DEFENSE SYSTEMS INC

Address:4141 EASTERN AVE SE

Box:City:GRAND RAPIDS

State:MI

ZIP:49518-8727 Country:US

Phone:616-241-7000

CAGE:35351

====== Comp

osition/Information on Ingredients ========
Ingred Name:LITHIUM METAL CAS:7439-93-2 RTECS #:OJ5540000
Other REC Limits:NONE SPECIFIED
Ingred Name:THIONYL CHLORIDE CAS:7719-09-7 RTECS #:XM5150000 Other REC Limits:NONE SPECIFIED OSHA PEL:C 1 PPM ACGIH TLV:C 1 PPM; 9192
Ingred Name:BROMINE (SARA III)
CAS:7726-95-6 RTECS #:EF9100000
Other REC Limits:NONE SPECIFIED
OSHA PEL:0.1 PPM/0.3 PPM STEL ACGIH TLV:0.1 PPM/0.3STEL;9293
Ingred Name:CHLORINE (SARA III) CAS:7782-50-5
RTECS #:FO2100000
Ot
her 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
DOT TO LEG
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Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic:THIS PRODUCT IS CLASSIFIED AS AN
ARTICLE UNDER OSHA REGULATION 1910.1200.
Explanation of Carcinogenicity:MANUFACTURER GAVE NO INFORMATION ABOUT CARCINOGENICITY. HMI
S DOES NOT EXPECT IT TO BE CARCINOGENIC.
Effects of Overexposure:BURNS TO THE SKIN MAY RESULT FROM THE HEAT GENERATED BY A SHORT-CIRCUIT.
Medical Cond Aggravated by Exposure: NONE SPECIFIED BY MANUFACTURER.
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First Aid:IN CASE OF ACCIDENTAL INGESTION OF A CELL OR ITS CONTENTS, OBTAIN PROMPT MEDICAL ADVICE.
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Extinguishing Media:IF CELLS ARE DIRECTLY INV

Fire Fighting Procedures: A LITH-X (GRAPHITE BASE) FIRE EXTINGUISHER OR MATERIAL IS THE ONLY RECOMMENDED EXTINGUISHING MEDIA FOR FIRES INVOLVING METAL OR CELLS. AVOID FUME INHALATION. Unusual Fire/Explosion Hazard: IF A FIRE IS IN ADJANCENT AREA, AND CELLS ARE PACKED IN THEIR ORIGINAL CONTAINERS, THE FIRE CAN BE FOUGHT BASED ON FUELING MATERIAL, E.G., PAPER & PLASTICS. ======= Accidental Release Measures ========= Spill Release Procedures: NONE SPECIFIED BY MANUFACTURER. Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER. ============= Handling and Storage ========================== Handling and Storage Precautions: STORE IN A COOL BUT PREVENT CONDENSATION ON CELLS OR BATTERIES. ELEVATED TEMPERATURES CAN RESULT IN SHORTENED BATTERY LIFE. Other Precautions: IF SOLDERING OR WELDING TO THE TERMINALS OF THE CELL IS REQUIRED, EXERCISE PROPER PRECAUTIONS TO PREVENT DAMAGE TO THE CELL WHICH MAY RESULT IN LOSS OF CELL CAPACITY, SEAL, LEAKAGE, AND/OR CELL EXPLOS ION. DO NOT SOLDER TO THE CASE. ====== Exposure Controls/Personal Protection ======== Respiratory Protection: MFR GAVE NO INFORMATION ON MSDS. Ventilation: MFR GAVE NO INFORMATION ON MSDS. Protective Gloves:MFR GAVE NO INFORMATION ON MSDS. Eye Protection:MFR GAVE NO INFORMATION ON MSDS. Other Protective Equipment:MFR GAVE NO INFORMATION ON MSDS. Work Hygienic Practices:MFR GAVE NO INFORMATION ON MSDS. Supplemental Safety and Health MECHANICAL CONTAINMENT: ENCAPSULATION (POTTING OF THESE CELLS) WILL NOT ALLOW FRO CELL EXPANSION. SUCH ENCLOSURE CAN RESULT IN HIGH PRESSURE EXPLOSION FROM HEATING DUE TO INADVERTENT CHARGING OR HIGH TEMPERATURE ENVIRONMENTS (I.E., IN EXCESS OF 100C.) ======== Physical/Chemical Properties =========== HCC:N1 NRC/State Lic Num:NONE Appearance and Odor:MFR GAVE NO INFORMATION ON MSDS. ====== Stabil

OLVED IN FIRE, DO NOT USE

WATER, CARBON DIOXIDE, DRY CHEMICAL OR HALON.

ity and Reactivity Data	=======================================
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Stability Indicator/Materials to Avoid:YES

JEWLERY, SUCH AS RINGS AND BRACELETS, SHOULD BE REMOVED ORINSULATED FROM BATTERIES TO PREVENT SHORT CIRCUITING.

Stability Condition to Avoid:BATTERIES SHOULD ALWAYS BE PACKAGED & TRANSPORTED IN SUCH AS MANNER AS TO PREVENT DIRECT CONTACT WITH EACH OTHER.

Hazardous Decomposition Products:SHORT-CIRCUITING WILL CAUSE HEAT AND REDUCE CELL CAPACITY.

 Disposal Considerations	==

Waste Disposal Methods:DO NOT INCINERATE OR SUBJECT CELLS 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 LOCAL, STATE AND FEDERAL REGULATIONS.

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