

WILSON GREATBATCH LTD -- LITHIUM OXYHALIDE PRIMARY BATTERY (BCX) -- 6135-01-218-3660

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Product Identification
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Product ID:LITHIUM OXYHALIDE PRIMARY BATTERY (BCX)

MSDS Date:05/25/1999

FSC:6135

NIIN:01-218-3660

Status Code:A

MSDS Number: CKBYL

=== Responsible Party ===

Company Name:WILSON GREATBATCH LTD

Address:10000 WEHRLE DR.

City:CLARENCE

State:NY

ZIP:14031-2033

Country:US

Info Phone Nu

m:716-759-6901 FAX: 716-759-8579

Emergency Phone Num:716-759-6901

CAGE:2S554

=== Contractor Identification ===

Company Name:NINETECH INTL INC

Address:1064 ROSELLE PL

Box:City:WOODMERE

State:NY

ZIP:11598

Country:US

Phone:516-887-7943

Contract Num:SP0400-99-V-0988

CAGE:0GKF8

Company Name:WILSON GREATBATCH LTD

Address:10000 WEHRLE DR.

Box:City:CLARENCE

State:NY

ZIP:14031-2033

Country:US

Phone:716-759-6901 FAX: 716-759-8579

CAGE:2S554

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Composition/Information on Ingredients
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Ingred Name:LITHIUM METAL
CAS:7439-93-2
RTECS #:OJ5540000
Fraction by Wt: 0.6% G/BAT
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
Other REC Limits:NON
E SPECIFIED
OSHA PEL:(C) 1 PPM
ACGIH TLV:0.5 PPM/1 STEL; 9293
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:THIS PRODUCT IS CLASSIFIED AS AN
ARTICLE UNDER OSHA REGULATION 1910.1200. AS SUCH THE BATTERY IS
HERMETICALLY SEALED & IS NON-HAZARDOUS. BUT THE CONTENTS ARE
CORROSIVE, LITHIUM M

ETAL REACTS VIOLENTLY WITH WATER FORMING CAUSTIC LITHIUM HYDROXIDE. DO NOT OPEN BATTERY CONTAINER OR INCINERATE.

Explanation of Carcinogenicity:NOT CARCINOGENIC.

Effects of Overexposure:BURNS TO THE SKIN MAY RESULT FROM THE HEAT GENERATED BY A SHORT-CIRCUIT. CONTENTS ARE TOXIC AND CORROSIVE AND WILL CAUSE IRRITATION AND BURNS TO BODY TISSUES. BATTERIES ARE HARMFUL IF SWALLOWED.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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First Aid Measures =====

First Aid:IN CASE OF ACCIDENTAL INGESTION OF A CELL OR ITS CONTENTS, OBTAIN PROMPT MEDICAL ADVICE OR CALL POISON CENTER.

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Fire Fighting Measures =====

Extinguishing Media:IF CELLS ARE DIRECTLY INVOLVED IN FIRE, DO NOT USE WATER, CO2,DRYCHEMICAL OR HALOGEN EXTINGUISHERS. USE LITH-X (GRAPHITE BASE) FIRE EXTINGUISHER.

Fire Fighting Procedures:A LITH-X (GRAPHITE BASE) FIRE EXTINGUISHER OR MATERIAL IS TH

E ONLY RECOMMENDED EXTINGUISHING MEDIA FOR FIRES INVOLVING METAL OR CELLS. AVOID FUME INHALATION.

Unusual Fire/Explosion Hazard:IF A FIRE IS IN ADJACENT AREA, AND CELLS ARE PACKED IN THEIR ORIGINAL CONTAINERS, THE FIRE CAN BE FOUGHT BASED ON FUELING MATERIAL, E.G.,PAPER & PLASTIC PRODUCTS. AVOID FUME INHALATION..THIS CELL IS A PRIMARY CELL & IS NOT DESIGNED TO BE CHARGED OR RECHARGED. TO DO SO MAY CAUSE CELL TO LEAK OR EXPLODE.

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Accidental Release Measures =====

Spill Release Procedures:NONE SPECIFIED BY MANUFACTURER. WEAR GLOVES(NITRILE) TO HANDLE BROKEN BATTERIES. PUT THEM IN A PLASTIC BAG, SEAL IT AND SAVE FOR DISPOSAL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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Handling and Storage =====

Handling and Storage Precautions:STORE IN A COOL,DRY PLACE, PREVENT CONDENSATION ON CELLS OR BATTERIES. ELEVATED TEMPERATURES CAN RESULT IN SHORTENED BATTERY LIFE.BATTERIE

S SHOULD ALWAYS BE PACKAGED AND TRANSPORTED IN SUCH A MANNER TO PREVENT DIRECT CONTACT WITH EACH OTHER. SHORT-CIRCUITING WILL CAUSE HEAT & REDUCE CELL CAPACITY.

Other Precautions:IF SOLDERING OR WELDING TO THE TERMINALS OF THE CELL IS REQUIRED, EXERCISE PROPER RECAUTIONS TO PREVENT DAMAGE TO THE CELL WHICH MAY RESULT IN LOSS OF CELL CAPACITY, SEAL, LEAKAGE, AND/OR CELL EXPLOSI ON. DO NOT SOLDER TO THE CASE. CELLS SHOULD NOT BE SUBJECTED TO MECHANICAL SHOCK & VIBRATION

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

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:JEWELRY, SHOULD BE REMOVED /INSULATED BEFORE HANDLING BATTERIES TO PREVENT ANY SHORT-CIRCUITING THROUGH CONTACT WITH BATTERY TERMINALS. BURNS TO SKIN MAY RESULT FROM HEAT GENERATED BY SHORT-CIRCUIT.

Work Hygienic Practices:NONE SPECIFIED BY MANUFACTURER.ICES.

Supplemental Safety and Health

MECHANICAL CONTAINMENT: ENCAPSULATION (POTTING OF THESE CELLS) WILL NOT ALLOW FOR 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.)

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

HCC:Z6

Appearance and Odor:CYLINDRICAL BATTERY BCX72/AA (0.538 X1.921 INCH).

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

Stability Indicator/Materials to Avoid:YES

JEWELRY, SUCH AS RINGS AND BRACELETS, SHOULD BE REMOVED OR INSULATED 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.

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

Waste Disposal Methods:DO NOT INCIN

ERATE 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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