

WILSON GREATBATCH LTD -- LITHIUM OXYHALIDE PRIMARY BATTERY (BCX) -- 6135-01-272-4047

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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:01-272-4047

Status Code:A

MSDS Number: CKKQL

=== 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: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:LINMARR ASSOCIATES INC

Address:4460 N PARK ST

Box:City:LAS VEGAS

State:NV

ZIP:89129-2678

Country:US

Phone:702-655-7800

Contract Num:SP0430-97-M-SO87

CAGE:1GX03

Company Name:LINMARR ASSOCIATES INC

Address:4460

N PARK ST  
Box:City:LAS VEGAS  
State:NV  
ZIP:89129-2678  
Country:US  
Phone:702-655-7800  
Contract Num:SP0430-98-M-JM39  
CAGE:1GX03  
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  
CAS:7439-93-2  
RTECS #:OJ5540000

Ingred Name:THIONYL CHLORIDE  
CAS:7719-09-7  
RTECS #:XM5150000  
ACGIH STEL:C4.9 MG/M3;C1 PPM

Ingred Name:BROMINE  
CAS:7726-95-6  
RTECS #:EF9100000  
OSHA PEL:0.7 MG/M3;0.1 PPM  
ACGIH TLV:0.66 MG/M3;0.1 PPM  
ACGIH STEL:1.3 MG/M3;0.2 PPM

Ingred Name:CHLORINE  
CAS:7782-50-5  
RTECS #:FO2100000  
OSHA PEL:C3 MG/M3;C1 PPM  
ACGIH TLV:1.5 MG/M3;0.5 PPM  
ACGIH STEL:2.9 MG/M3;1 PPM  
EPA Rpt Qty:10 LBS  
DOT Rpt Qty:10 LBS

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Hazards Identification  
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Health Hazards Acute and Chronic:THIS PRODUCT IS CLASSIFIED AS AN  
ARTICLE UNDER OSHA REGULATION 1910.1200.  
Effects o

f Overexposure: BURNS TO THE SKIN MAY RESULT FROM THE HEAT GENERATED BY A SHORT-CIRCUIT.

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First Aid Measures  
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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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Fire Fighting Measures  
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Extinguishing Media: IF CELLS ARE DIRECTLY INVOLVED IN FIRE, DO NOT USE WATER, CARBON DIOXIDE, DRY CHEMICAL OR HALON.

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 ADJACENT AREA, AND CELLS ARE PACKED IN THEIR ORIGINAL CONTAINERS, THE FIRE CAN BE FOUGHT BASED ON FUELING MATERIAL, E.G., PAPER & PLASTICS.

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Handling and Storage  
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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 EXPLOSION. DO NOT SOLDER TO THE CASE.

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Exposure Controls/Personal Protection  
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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  
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HCC: Z6

NRC/State Lic Num: NONE

Appearance and Odor: BATTERY, NONRECHARGEABLE.

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Disposal Considerations  
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Waste Disposal Methods: DO NOT INCINERATE OR SUBJECT CELLS TO TEMPERATURE

S 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.

===== Other Information =====

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