

WILSON GREATBATCH LTD,ELECTROCHEM LITHIUM BAT. -- 1/2C LITHIUM OXYHALIDE PRIMARY BATTERY CSC (AN ARTICLE) -- 6135-01-340-8836

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

Product ID:1/2C LITHIUM OXYHALIDE PRIMARY BATTERY CSC (AN ARTICLE)

MSDS Date:01/10/1993

FSC:6135

NIIN:01-340-8836

MSDS Number: BXWMV

=== Responsible Party ===

Company Name:WILSON GREATBATCH LTD,ELECTROCHEM LITHIUM BAT.

Address:10000 WEHRL

E DR

City:CLARENCE

State:NY

ZIP:14031

Country:US

Info Phone Num:716-759-6901

Emergency Phone Num:716-759-6901

Preparer's Name:NONE

CAGE:NO469

=== Contractor Identification ===

Company Name:ELECTROCHEM INDUSTRIES INC DIV WILSON GREATBATCH

Box:City:CLARENCE

State:NY

ZIP:14031

Country:US

Phone:716-759-6901

CAGE:6U589

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:PRIE

BE ELECTRONICS  
Address:14807 NE 40TH PL  
Box:City:REDMOND  
State:WA  
ZIP:98052  
Country:US  
Phone:206-881-2363

CAGE:0EHC8  
Company Name:PRIMEX AEROSPACE  
Box:UNKNOW  
CAGE:16340

Company Name:WILSON GREATBATCH LTD,ELECTROCHEM LITHIUM BAT.  
Address:10000 WEHRLE DR  
Box:City:CLARENCE  
State:NY  
ZIP:14031  
Country:US  
Phone:716-759-6901  
CAGE:NO469

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===== Composition/Information on Ingredients =====

Ingred Name:LITHIUM METAL  
CAS:7439-93-2  
RTECS #:OJ5540000  
Other REC Limits:NONE RECOMMENDED

Ingre  
d Name:SULFURYL CHLORIDE (SO<sub>2</sub>CL<sub>2</sub>)  
CAS:7791-25-5  
RTECS #:WT4870000  
Other REC Limits:NONE RECOMMENDED

Ingred Name:CHLORINE (SARA III)  
CAS:7782-50-5  
RTECS #:FO2100000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:0.5 PPM, 1 PPM STEL  
ACGIH TLV:0.5 PPM/1 STEL; 9394  
EPA Rpt Qty:10 LBS  
DOT Rpt Qty:10 LBS

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===== Hazards Identification =====

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and C

hronic:ACUTE: UNDER NORMAL CICUMSTANCES

BATTERY IS NOT HEALTH HAZARD. IF BROKEN OPEN, CONTENTS COULD BURN SKIN OR EYES ON CONTACT. VAPORS MAY IRRITATE RESPIRATORY TRACT. CONTENTS MAY BE HARMFUL IF SWALLOWED. CHRONIC: NONE SPECIFIED BY MANUFACTURER.

Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1% OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.

Effects of Overexposure:INHALATION: COUGHING, WHEEZING, SHORTNESS OF BREATH. EYES: REDNESS, BURNING SENSATION, TEARING. SKIN: REDNESS, BURNING SENSATION. INGESTION: NAUSEA, VOMITING.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALATION: REMOVE PERSON TO FRESH AIR. EYES: FLUSH WITH LOTS OF WATER FOR 15 MINUTES. SEE DOCTOR. SKIN: FLUSH WITH WATER THEN WASH WITH SOAP AND WATER. INGESTED: GET IMMEDIATE MEDICAL ATTENTION.

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

Extinguishing Media:USE A LITH-X (GRAPHITE BASE) FIRE EXTINGUISHER. Fire Fighting Procedures:IF CELLS DIRECTLY INVOLVED IN FIRE,DO NOT USE WATER,CARBON DIOXIDE,DRY CHEMICAL,HALOGEN. FIGHT ADJACENT AREA FIRES WITH MEDIA APPROPRIATE FOR FUELING MATERIAL.

Unusual Fire/Explosion Hazard:ENCAPSULATION PREVENTING EXPANSION CAN RESULT IN HIGH PRESSURE EXPLOSION FROM HEATING DUE TO INADVERTENT CHARGING OR HIGH TEMPERATURE ENVIRONMENTS (ABOVE 212F).

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== Accidental Release Measures =====

Spill Release Procedures:SCOOP UP BATTERIES AND PLACE IN A CONTAINER. IF BATTERIES ARE RUPTURED OR BROKEN; CONTAIN SPILL. NEUTRALIZE. MOP OR RINSE AREA. PLACE RESIDUE IN APPROPRIATE CONTAINER FOR LATER DISPOSAL.

Neutralizing Agent:WATER BASED SOLUTION OF 1% IODINE AND 5% POTASSIUM IODIDE

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

Handling and Storage Precautions:STORE IN COOL, DRY PLACE. PREVENT  
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CONDENSATION ON CELLS/BATTERIES. ELEVATED TEMPERATURES CAN RESULT IN SHORTENED BATTERY LIFE. DO NOT STORE ABOVE 212F.

Other Precautions: IF SOLDERING TO TERMINALS OR CASE OF CELL/BATTERY IS REQUIRED, EXERCISE PROPER PRECAUTIONS TO PREVENT CELL DAMAGE WHICH MAY RESULT IN LOSS OF CAPACITY, SEAL, LEAKAGE, OR CELL EXPLOSION. DO NOT SOLDER TO BATTERY CASE.

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

Respiratory Protection: NONE NORMALLY REQUIRED.

Ventilation: NONE

E SPECIFIED BY MANUFACTURER.

Protective Gloves: NONE NORMALLY REQUIRED.

Eye Protection: NONE NORMALLY REQUIRED.

Other Protective Equipment: NONE NORMALLY REQUIRED.

Work Hygienic Practices: NORMAL WORKPLACE HYGENIC PRACTICES ARE ADEQUATE.

Supplemental Safety and Health

BATTERIES SHOULD ALWAYS BE PACKAGED AND TRANSPORTED IN SUCH A MANNER AS TO PREVENT DIRECT CONTACT WITH EACH OTHER. ITEM IS A PRIMARY CELL AND IS NOT DESIGNED TO BE CHARGED OR RECHARGED WHICH MAY CAUSE CELL TO LEAK OR EXPLODE.

CELLS SHOULD NOT BE SUBJECTED TO EXCESSIVE MECHANICAL SHOCK AND VIBRATION.

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

HCC: Z6

Solubility in Water: INSOLUBLE

Appearance and Odor: 7.9V SEALED BATTERY, 2.585 IN. HIGH BY 1.035 IN. IN DIAMETER. CONTAINS 2 CELLS.

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

Stability Indicator/Materials to Avoid: YES

WATER.

Stability Condition to Avoid: DO NOT CHARGE OR SHORT CIRCUIT. DO NOT ENCAPSULATE OR "POT".

DO NOT WEAR RINGS AND BRACELETS WHEN HANDLING BATTERIES.

Hazardous Decomposition Products: LITHIUM HYDROXIDE, SULFUR DIOXIDE, THIONYL CHLORIDE, HYDROGEN CHLORIDE, AND CHLORINE GAS.

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

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

## ATE, A ND LOCAL REGULATIONS.

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