

ELECTROCHEM INDUSTRIES, DIV. OF WILSON GREATBATCH -- LITHIUM SULFURYL CHLORIDE BATTERIES (SEE SUPPL DATA) -- 6135-01-340-8836

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

Product ID:LITHIUM SULFURYL CHLORIDE BATTERIES (SEE SUPPL DATA)

MSDS Date:02/01/2000

FSC:6135

NIIN:01-340-8836

Status Code:A

MSDS Number: CKVHM

=== 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:716-759-5384

Emergency Phone Num:716-759-5384

Resp. Party Other MSDS Num.:CSC/PMX

Preparer's Name:NOT PROVIDED

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:PRIEBE ELECTRONICS

Address:14807 NE 40TH PL

Box:City:REDMOND

State:WA

ZIP:98052

Country:US

Phone:206-881-2363

Contract Num:SP0430-00-M-KM10

CAGE:0EHC8

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

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

Ingredient Name:LITHIUM (LI)

CAS:7439-93-2

RTECS #:OJ5540000

Other REC Limits:NOT PROVIDED

OSHA PEL:NOT PROVIDED

:NOT PROVIDED
OSHA PEL:NOT PROVIDED

Ingred Name:CHLORINE (CL2)
CAS:7782-50-5
RTECS #:FO2100000
Other REC Limits:NOT PROVIDED
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

Ingred Name:CARBON
CAS:1333-86-4
RTECS #:FF5800000
Other REC Limits:NOT PROVIDED
OSHA PEL:3.5 MG/M3
ACGIH TLV:3.5 MG/M3

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===== Hazards Identification =====
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LD50 LC50 Mixture:NOT PROVIDED
Routes of Entry: Inhalation:NO Sk
in:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:NONE
Explanation of Carcinogenicity:NOT LISTED
Effects of Overexposure:NONE, UNLESS BATTERY RUPTURES. IN THE EVENT OF
EXPOSURE TO INTERNAL CONTENTS, CORROSIVE FUMES WILL BE VERY
IRRITATING TO SKIN, EYES, AND MUCOUS MEMBRANES. OVEREXPOSURE CAN
CAUSE SYMPTOMS OF NON-FIBRO TIC LUNG INJURY AND MEMBRANE
IRRITATION.
Medical Cond Aggravated by Exposure:IN THE EVENT OF EXPOSURE TO

INTERNAL CONTENTS, EXZEMA, SKIN ALLERGIES, LUNG INJURIES, ASTHMA,
AND OTHER RESPIRATORY DISORDERS MAY OCCUR.

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===== First Aid Measures =====
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First Aid:EYE CONTACT: FLUSH WITH RUNNING WATER FOR AT LEAST 15
MINUTES. HOLD EYELIDS APART. SEEK IMMEDIATE MEDICAL TREATMENT. SKIN
CONTACT: RINSE WITH LARGE AMOUNT OF RUNNING WATER. IF BURNS DEVELOP
SEEK MEDIC AL TREATMENT. INHALATION: REMOVE TO FRESH AIR. IF
BREATHING IS DIFFICULT, ADMINISTER O

XYGEN AND SEEK MEDICAL

TREATMENT. INGESTION: SEEK IMMEDIATE MEDICAL TREATMENT.

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

Flash Point:NA

Lower Limits:NA

Upper Limits:NA

Extinguishing Media:LITH-X OR OTHER METAL (CLASS D) FIRE EXTINGUISHER
POWDER.

Fire Fighting Procedures:DO NOT USE WATER, SAND, CARBON DIOXIDE, OR
SOSA ASH EXTINGUISHER. WEAR PROTECTIVE BREATHING APPARATUS AND
PROTECTIVE GARMENTS.

Unusual Fire/Explosion Hazard:DO NOT SHORT CIRCUIT, RECHA
RGE,

OVERDISCHARGE, PUNCTURE, INCINERATE, CRUSH OR EXPOSE TO TEMPERATURE
ABOVE THE TEMPERATURE RATING OF THE BATTERY.

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

Spill Release Procedures:DO NOT BREATHE VAPORS OR TOUCH LIQUID WITH
BARE HANDS.

Neutralizing Agent:SODA LIME.

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

Handling and Storage Precautions:DO NOT SHORT CIRCUIT OR EXPOSE TO
TEMPERATURES ABOVE THE TEMPERATURE RATING OF THE
BATTERY. DO NOT

RECHARGE, OVERDISCHARGE, PUNCTURE, OR CRUSH.

Other Precautions:DO NOT STORE BATTTERIES IN HIGH HUMIDITY ENVIRONMENTS
FOR LONG PERIODS. HIGH TEMPERATURE STORAGE WILL DEGRADE
PERFORMANCE.

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

Respiratory Protection:AS IN ANY FIRE SITUATION, USE SELF CONTAINED
BREATHING APPARATUS.

Ventilation:LOCAL EXHAUST

Protective Gloves:IN THE EVENT OF LEAKAGE, WEAR GLOVES.

Eye Protection:SAFETY GLASSES ARE RECOMM

ENDED DURING HANDLING.

Other Protective Equipment:IN THE EVENT OF LEAKAGE, WEAR CHEMICAL APRON.

Work Hygienic Practices:NOT PROVIDED

Supplemental Safety and Health

CONTINUED FROM PRODUCT ID: PRIEBE ELECTRONICS P/N: 07017-00U.

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

HCC:Z6

NRC/State Lic Num:NOT RELEVANT

Decomp Temp:Decomp Text:NOT PROVIDED

Vapor Density:NA

Appearance and Odor:CYLINDRICAL SHAPE, IF LEAKING, SHARP, PUNGENT ORDER

Corrosion Rate:NOT PROVIDED

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

Stability Indicator/Materials to Avoid:YES

DO NOT EXPOSE INTERNAL COMPONENTS TO WATER.

Stability Condition to Avoid:FIRE, HEAT OVER THE TEMPERATURE RATING OF THE BATTERY, ELECTRICAL SHORTING, RECHARGING, DISASSEMBLY.

Hazardous Decomposition Products:SO₂, HCL, H₂SO₂, AND H₂.

===== Toxicological Information =====

Toxicological Information:NOT PROVIDED

===== Ecological Information ==

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Ecological:NOT PROVIDED

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

Waste Disposal Methods:NEUTRALIZE SPILL WITH SODA LIME, SEAL LEAKING BATTERY AND SODA LIME IN PLASTIC BAG AND DISPOSE OF AS HAZARDOUS WASTE. ALL LITHIUM SULFURYL CHLORIDE BATTERIES SHOULD BE DISPOSED OF BY A PROPER DISPOSAL FACILITY. PROPER SHIPPING NAME: WASTE LITHIUM BATTERIES. UN NUMBER: UN3090. CLASS 9, PACKING GROUP II. DISPOSAL CODE: D003.

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MSDS Transport Information
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Transport Information:US DOT (PER 49 CFR PART 172) AND IATA/ICAO:
PROPER SHIPPING NAME: LITHIUM BATTERIES. UN NUMBER: UN3090. HAZARD
CLASSIFICATION: CLASS 9 (MISCELLANEOUS). PACKING GROUP: II. LABEL
REQUIRED: MISCELLANEOUS . OTHER: CARGO AIRCRAFT ONLY. NON-HAZARDOUS
BATTERIES (PER IATA AND USDOT): IF THE CELLS CONTAIN LESS THAN 0.5
GRAM OF LITHIUM AND THE BATTERIES CONTAIN LESS THAN 1.0 GRAM TOTAL
QUANTITY OF LITHIUM
(S EE BATTERY LABEL), THEY ARE NOT RESTRICTED
FOR SHIPPING PURPOSES.

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Regulatory Information
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SARA Title III Information:NOT PROVIDED
Federal Regulatory Information:NOT PROVIDED
State Regulatory Information:NOT PROVIDED

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Other Information
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