

ELECTROCHEM INDUSTRIES, DIV. OF WILSON GREATBATCH -- LITHIUM OXYHALIDE PRIMARY BATTERY (SCS) -- 6135-01-142-6456

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

Product ID:LITHIUM OXYHALIDE PRIMARY BATTERY (SCS)

MSDS Date:01/19/1993

FSC:6135

NIIN:01-142-6456

MSDS Number: CGMXK

=== 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:716-759-6901

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:FAIRCHILD INDUSTRIES INC

Address:20301 CENTURY BLVD

Box:City:GERMANTOWN

State:MD

ZIP:20874

Country:US

Phone:301-428-6519

CAGE:86360

===== Composition/Information on Ingredient

S =====

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

Ingred Name:SULFURYL CHLORIDE
CAS:7791-25-5
RTECS #:WT4870000
Other REC Limits:NONE RECOMMENDED

Ingred Name:CHLORINE (SARA 302/313) (CERCLA)
CAS:7782-50-5
RTECS #:FO2100000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:C 1 PPM
ACGIH TLV:0.5 PPM/1 STEL; 9596
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

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

LD50 LC50 Mixture:NONE S
PECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:BATTERY CONTAINER SHOULD NOT BE OPENED
OR INCINERATED SINCE INGREDIENTS CONTAINED W/IN COULD BE HARMFUL UNDER
SOME CIRCUMSTANCES IF EXPOSED.
Effects of Overexposure:NONE SPECIFIED BY MANUFACTURER.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:IN CASE OF ACCIDENTAL INGESTION OF CELL OR ITS CONTENTS
OBTAIN PROMPT MEDICAL ADVICE.

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

Flash Point:NP
Autoignition Temp:Autoignition Temp Text:NP
Lower Limits:NP
Upper Limits:NP
Extinguishing Media:CELLS DIRECTLY INVOLVE IN FIRE DONT USE H2O,CO2,DRY
CHEM,HALOGEN.LITH-X(GRAPHITE BASE)FIRE EXT/MATL ONLY RECOMMENDED.
Fire Fighting Procedures:FIRE IN ADJACENT AREA & CELLS PACKED IN
ORIGINAL CONTAINERS FIRE CAN BE F

OUNG BASED ON FUELING

MATL(PAPER,PLASTIC)PRODUCTS.AVOID FUME INHAL.

Unusual Fire/Explosion Hazard:LITHIUM DUE TO TIS VIGOROUS REACTION
W/WATER FORMS CAUSTIC HYDROXIDE.

===== 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 COOL PLACE BUT PREVENT
CONDENS

ATION ON CELLS OR BATT.ELEVATED TEMP CAN RESULT IN

SHORTENDED BATT LIFE.PROD CLASSIFIED AS ARTICLE 1910.1200(C)

Other Precautions:ENCAPSULATION(POT OF CELLS)WILL NOT ALLOW FOR CELL
EXPANSION.SUCH ENCLOSURE CAN RESULT IN HIGH PRESSURE EXPLO FRM HEAT
DUE TO INADV CHARGING/HI TEMP ENVIRO(EXCESS OF 100C).PKG/TRANSP
BATT IN MANNER A S TO PREVENT DIRECT CONTACT W/EACH.(SUP)

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

Respiratory Protection:NONE SPECIFIED BY M
ANUFACTURER.

Ventilation:NONE SPECIFIED BY MANUFACTURER.

Protective Gloves:NONE SPECIFIED BY MANUFACTURER.

Eye Protection:NONE SPECIFIED BY MANUFACTURER.

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices:THIS CELL PRIMARY CELL,NOT DESIGNED TO BE
CAHRGED/RECHARGE.TO DO SO MAY CAUSE CELL TO LEAK/EXPLO.

Supplemental Safety and Health

OTH PREC:SHORT CIRC CAUSE HEAT/REDUCE CELL CAPACITY.REMOVE/INSULATE
JEWELRY(RING,BRACELETS)BEF HNDLG BATT-PREVENT
SHORTCIR

CUIT.SOLDER/WELD TERMINALS/CASE OF CELL REQUIRED EXERCISE

PROPER PRECAUT TO PR EVENT DMG TO CELL WHICH MAY RESULT IN LOSS OF
CAPACITY,SEAL,LEAKAGE,&/OR CELL EXPLO.DONT SOLDER TO CASE.

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

HCC:Z6

Boiling Pt:B.P. Text:NP

Melt/Freeze Pt:M.P/F.P Text:NP

Decomp Temp:Decomp Text:NP

Vapor Pres:NP

Vapor Density:NP

Spec Gravity:NP

pH:NP

Viscosity:NP

Evaporation Rate & Reference:NP

Solubility in Water:NP

Appearance and Odor:ART

ICLE UNDER 1910.1200(C).
Percent Volatiles by Volume:NP
Corrosion Rate:NP

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

NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid:CELLS SHOULD NOT BE SUBJ TO EXCESSIVE
MECAHNICAL SHOCK AND VIBRATION.

Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER.

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

Waste Disposal Methods:DONT INCINERATE OR SUBJ CELLS TO REMPS IN EXCESS
OF 121F(10

0C).SUCH ABUSE CAN RESULT IN LOSS OF SEAL,LEAKAGE,&/OR
CELL EXPLO.DISPOSE OF IN ACCORDANCE WITH APPROPRIATE LOCAL, STATE
AND FEDERAL REGULATIONS.

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