

DELCO ELECTRONICS CORP -- ETERNACELL LITHIUM/THIONYL CHLORIDE BATTERY --
6135-01-223-3869

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

Product ID:ETERNACELL LITHIUM/THIONYL CHLORIDE BATTERY

MSDS Date:07/28/1989

FSC:6135

NIIN:01-223-3869

MSDS Number: BMTRX

=== Responsible Party ===

Company Name:DELCO ELECTRONICS CORP

Address:6767 HOLLISTER AVE

City:GOLLETA

State:CA

ZIP:93117-5011

Country:US

Info Phone Num:8

05-961-5011

Emergency Phone Num:805-961-5011

CAGE:13160

=== Contractor Identification ===

Company Name:DELCO ELECTRONICS CORP

Address:6767 HOLLISTER AVE

Box:City:GOLLETA

State:CA

ZIP:93117-5011

Country:US

Phone:805-961-5011

CAGE:13160

Company Name:GENERAL MOTORS CORP

Address:GENERAL MOTORS BUILDING 3044 GRAND BLVDW

Box:City:DETROIT

State:MI

ZIP:48202-3091

Country:US

Phone:301-258-1535

CAGE:24617

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

Ingred Name:LITHIUM METAL

CAS:

7439-93-2
RTECS #:OJ5540000
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:SULFUR DIOXIDE (SARA III)
CAS:7446-09-5
RTECS #:WS4550000
Other REC Limits:NONE SPECIFIED
OSHA PEL:5 PPM/5 STEL
ACGIH TLV:2 PPM/5 STEL; 9293

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:THE SUBSTANCE AND VAPORS ARE CORROSIVE TO SKIN AND MUCUS MEMBRANES. HARMFUL IF SWALLOWED.
Effects of Overexposure:BURNS AND IRRITATION TO THE RESPIRATORY SYSTEM.
Medical Cond Aggravated by Exposure:NOT KNOWN

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

First Aid:INHALATION: REMOVE TO FRESH AIR. IF NOT BREATHING GIVE CPR/OXYGEN. GET MEDICAL ATTENTION. EYE: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION. SKIN: WASH SKIN WITH PLENTY OF SOAP & WATER. INGESTION: GET IMMEDIATE MEDICAL ATTENTION.

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

Extinguishing Media:LITHIUM-X FOR LITHIUM FIRE, SAND, FOAM, OR DRY CHEMICAL.
Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.
Unusual Fire/E

Explosion Hazard:FLAMMABLE SOLID. FIRE OR EXCESSIVE HEAT
MAY CAUSE PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS AND/OR MAY
CAUSE SEVERE EXPLOSION.

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

Spill Release Procedures:PICK UP ALL BATTERIES. FOR RUPTURED BATTERIES:
VENTILATE THE AREA, GET FULL PROTECTIVE EQUIPMENT, SUBMERGE IN A
CONTAINER FILLED WITH OIL, OR COVER WITH SODIUM CARBONATE OR 1:1
MIXTURE OF SODA ASH AND SLAKED LIME.

Neutralizing Agent:SOD
ASH, OR 1:1 MIXTURE OF SODA ASH AND SLAKED
LIME.

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL VENTILATED
AREA AWAY FROM HEAT.

Other Precautions:KEEP BATTERIES AWAY FROM WATER AND HEAT. DO NOT
RUPTURE OR THROW BATTERIES IN FIRE. DO NOT RECHARGE BATTERIES.

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

Respiratory Protection:NORMALLY NOT REQUIRED. WEAR MASK WITH ABEK TYPE
F

ILTER WHEN HANDLING DUST FROM RUPTURED BATTERY.

Ventilation:GENERAL/LOCAL EXHAUST VENTILATION.

Protective Gloves:BAYPREN OR VITON WHEN HANDLING RUPTURED

Eye Protection:SAFETY GLASSES

Other Protective Equipment:BOOTS AND RUBBER APRON FOR RUPTURED
BATTERIES.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND
RECOMMENDED PROCEDURES.

Supplemental Safety and Health

WHEN HANDLING RUPTURED BATTERY DO NOT GET ON SKIN, IN EYES OR ON
CLOTHING. DO NOT BREATHE VAPORS OR DUST. KE

EP AWAY FROM WATER &

HEAT. EACH BATTERY CONTAINS 7.2 GRAMS OF LITHIUM.

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

HCC:Z6

Boiling Pt:B.P. Text:2403F,1317C

Melt/Freeze Pt:M.P/F.P Text:357F,181C

Vapor Pres:116(SOCL2)

Spec Gravity:0.534(LI)

Solubility in Water:REACTS VIOLENTLY

Appearance and Odor:BATTERY

Percent Volatiles by Volume:00

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

Stability Indicator/Materials to Avoid:YES
WATER, ALKALIS, MOISTU

RE.

Stability Condition to Avoid:HIGH TEMPERATURES.,THERMAL DECOMPOSITION
BEGINS AT 140C.

Hazardous Decomposition Products:HYDROGEN, CHLORINE, OXIDES AND HALIDES
OF SULFUR. THERMAL DECOMPOSITION BEGINS AT 140C.

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

Waste Disposal Methods:DO NOT INCINERATE, BURY IN LANDFILL IN
ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATION.

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