

BATTERY ENGINEERING -- PRIMACELL-LITHIUM/THIONYL CHLORIDE, 051035 -- 6135-01-086-8167
===== Product Identification =====

Product ID:PRIMACELL-LITHIUM/THIONYL CHLORIDE, 051035
MSDS Date:01/01/1987
FSC:6135
NIIN:01-086-8167
MSDS Number: BGLDY
=== Responsible Party ===
Company Name:BATTERY ENGINEERING/HYDE PARK, MA 02136
Emergency Phone Num:(617) 361-7555
CAGE:60289
=== Contractor Identification ===

Company Name:BATTERY ENGINEERING INC
Address:100 ENERGY DRIVE
Box:City:CANTON
State:MA
ZIP:02021
Country:US
Phone:781-575-0800
CAGE:60289

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

Ingred Name:LITHIUM
CAS:7439-93-2
RTECS #:OJ5540000

Ingred Name:THIONYL CHLORIDE
CAS:7719-09-7
RTECS #:XM5150000
OSHA PEL:C 1 PPM
ACGIH TLV:C 1 PPM; 9192

Ingred Name:ALUMINUM CHLORIDE
CAS:7446-70-0
RTECS #:BD0525000
OSHA PEL:2 MG/M3 (AS AL)
ACGIH TLV:2 MG/M3 (AS AL);8990

Ingred Name:LIT

HIUM CHLORIDE LICL

CAS:7447-41-8

RTECS #:OJ5950000

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

Effects of Overexposure:EYE/MUCOUS MEMBRANE IRRITATION. OVEREXPOSURE CAN CAUSE SYMPTOMS OF NONFIBROTIC LUNG INJURY.

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

First Aid:EYE: FLUSH W/WATER FOR AT LEAST 15 MINUTES. SEEK IMMEDIATE MEDICAL TREATMENT. SKIN CONTACT: RINSE W/WATER. IF BURNS DEVELOP, SEEK MEDICAL TREATMENT. INHALATION: REMOVE T
O FRESH AIR. IF
BREATHING IS DI FFICULT, ADMINISTER OXYGEN/SEEK MED TREATMENT.

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

Extinguishing Media:DRY LITHIUM CHLORIDE, GRAPHITE POWDER, PYRENE G-1, LITH-X

Fire Fighting Procedures:DON'T USE WATER-WEAR PROTECTIVE BREATHING APPARATUS.

Unusual Fire/Explosion Hazard:DON'T SHORT CIRCUIT, RECHARGE, OVERDISCHARGE, PUNCTURE, CRUSH OR EXPOSE TO TEMP >93C. (199.4F).

===== Accidental Release Measures ==

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Spill Release Procedures:DON'T BREATHE VAPORS OR TOUCH LIQUID WITH BARE HANDS.

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

Handling and Storage Precautions:DON'T SHORT CIRCUIT, DON'T EXPOSE TO TEMPERATURES >93C (199.4F), DON'T CHARGE, OVERDISCHARGE, NCTURE OR CRUSH.

Other Precautions:DON'T STORE BATTERIES IN HIGH HUMIDITY ENVIRONMENTS FOR LONG PERIODS.

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

Respiratory Pro

tection:ACID GAS FILTER MASK
Ventilation:LOCAL EXHAUST
Protective Gloves:RUBBER
Eye Protection:SAFETY GLASSES
Other Protective Equipment:CHEMICAL LABORATORY GARMENTS.
Supplemental Safety and Health
MSDS DATE: 9 DEC 86. MELTING POINT: -105C

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

HCC:N1
Boiling Pt:B.P. Text:77C
Vapor Pres:92
Vapor Density:4.1
Spec Gravity:1.63
Solubility in Water:DECOMPOSES
Appearance and Odor:COLORLESS TO PALE YELLOW; SHARP, IRRITATING

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

Stability Indicator/Materials to Avoid:YES
Stability Condition to Avoid:TEMP IN EXCESS OF 93C. HIGH HUMIDITY FOR
EXT PERIODS OF TIME
Hazardous Decomposition Products:SULFUR DIOXIDE, HYDROGEN CHLORIDE

===== 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.

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