

YARDNEY TECHNICAL PRODUCTS, INC -- LISOCL2 BATTERY HT (HIGH TEMPERATURE) --  
6135-01-357-0621

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

Product ID:LISOCL2 BATTERY HT (HIGH TEMPERATURE)

MSDS Date:10/18/1990

FSC:6135

NIIN:01-357-0621

MSDS Number: BPLBM

=== Responsible Party ===

Company Name:YARDNEY TECHNICAL PRODUCTS, INC

Address:82 MECHANIC STREET

City:PAWCATUCK

State:CT

ZIP:06379

Country:US

Info Phone Num

:203-599-1100

Emergency Phone Num:203-599-1100

CAGE:87326

=== Contractor Identification ===

Company Name:YARDNEY TECHNICAL PRODUCTS INC

Address:82 MECHANIC ST

Box:City:PAWCATUCK

State:CT

ZIP:06379

Country:US

Phone:203-599-1100

CAGE:87326

Company Name:YARDNEYTECHNICAL PRODUCTS INC.

Address:82 MECHANIC ST

Box:City:PAWCATUCK

State:CT

ZIP:06379

Country:US

Phone:203-599-1100

CAGE:0RKK3

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

Ingred Name:THIONYL CHLORIDE

CAS:7719-09-7

RT

ECS #:XM5150000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:C 1 PPM  
ACGIH TLV:C 1 PPM; 9192

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

Ingred Name:CARBON BLACK  
CAS:1333-86-4  
RTECS #:FF5800000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:3.5 MG/M3  
ACGIH TLV:3.5 MG/M3; 9192

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

LD50 LC50 Mixture:NO INFORMATION GIVEN ON MSDS BY MFR.  
Health Hazards Acute and Chronic:UNDER NORMAL CONDIT  
IONS;NONE. IN EVENT  
OF AN ACCIDENT;CORROSIVE FUMES WILL INJURE ANY EXPOSED ITSSUE.  
PULMONAAAARY EDEMA MAY OCCUR SEVERAL HOURS AFTER SEVERE EXPOSURE TO  
FUMES.  
Explanation of Carcinogenicity:THE PRODUCT CONTAINS NO INGREDIENT THAT  
IS LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.  
Effects of Overexposure:IN EVENT OF ACCIDENT:THIONYL CHLORIDE FUMES ARE  
CORROSIVE AND WILL INJURE EYES, MUCOUS MEMBRANES AND LUNGS.  
Medical Cond Aggravated by Exposure:RESPIRATORY ILLNESS AND SKIN  
CON  
DITIONS.

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

First Aid:FOR CONTACT WITH LITHIUM, THIONYL CHLORIDE OR CARBON  
BLACK:FLUSH WITH COPIOUS AMOUNTS OF WATER.

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

Extinguishing Media:LITH-X OR OTHER METAL FIRE EXTINGUISHER POWDER  
(CLASS D).  
Fire Fighting Procedures:SELF CONTAINED BREATHING APPARATUS AND  
PROTECTIVE CLOTHING MUST BE USED. DO NOT USE WATER.  
Unusual Fire/Explosion Hazard:BATTERY

MAY RUPTURE VIOLENTLY WHEN  
EXPOSED TO FIRE OR TEMPERATURES ABOVE 355F.

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

Spill Release Procedures: THIONYL CHLORIDE SPILLS SHOULD BE NEUTRALIZED WITH A SOLUTION OF SODA ASH. DISPOSE OF REMAINING LIQUID I/A/W ENVIRONMENTAL REGULATIONS.

Neutralizing Agent: SOLUTION OF SODA ASH.

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

Handling and Storage Precautions: STORE IN TEMPERATURES BELOW 302F/150

C. STORE SO THAT TERMINALS DO NOT SHORT CIRCUIT.

Other Precautions: DO NOT PUNCTURE, DISASSEMBLE, OR INCINERATE THE BATTERY. DO NOT CHARGE THE BATTERY.

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

Respiratory Protection: A HALF-MASK OR FULL FACE RESPIRATOR WITH ACID GAS CARTRIDGES SHOULD BE AVAILABLE.

Ventilation: UNDER NORMAL CONDITIONS: NONE. IN ACCIDENT: VENT WORK AREA TO CLEAR FUMES. IF POSSIBLE VENT THROUGH A SCRUBBER.

Protective Gloves: UNDER NORMAL CONDITIONS: NONE.

Eye Protection: UNDER NORMAL CONDITIONS: NONE.

Other Protective Equipment: IN EVENT OF ACCIDENT: WEAR SPLASH GOGGLES, RUBBER GLOVES, AND ACID RESISTANT CLOTHING AND RESPIRATOR.

Work Hygienic Practices: WASH THOROUGHLY AFTER WORKING WITH THIS OR ANY OTHER BATTERY.

Supplemental Safety and Health  
NONE

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

HCC: F8

NRC/State Lic Num: NONE

Appearance and Odor: MFR SAID "N/A". TIR SAYS BUTTON DRY CELL BATTERY, 1.380 IN O.D.

X 2.420 IN LONG

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

Stability Indicator/Materials to Avoid: YES

DO NOT IMERSE IN WATER

Stability Condition to Avoid: DO NOT EXPOSE TO TEMPERATURES ABOVE 302F/150C, PUNCTURE, SHORT CIRCUIT, OR CHARGE.

Hazardous Decomposition Products: LITHIUM METAL BURNS IN AIR TO FORM CAUSTIC LITHIUM OXIDE SMOKE. THIONYL CHLORIDE HYDROLYZES TO HCL AND SO2.

Conditions to Avoid Polymerization: WILL NOT OCCUR

===== Disposal

Considerations =====

Waste Disposal Methods: SPENT BATTERIES CONTAIN RESIDUAL ELECTROLYTE AND MAY CONTAIN RESIDUAL LITHIUM METAL AND MUST BE DISPOSED OF IN ACCORDANCE WITH ENVIRONMENTAL REGULATIONS.

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