

TADIRAN ELECTRONIC INDUSTRIES INC. (US REP.) -- LITHIUM THIONYL CHLORIDE BATTERY --  
6135-01-294-2131

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

Product ID:LITHIUM THIONYL CHLORIDE BATTERY

MSDS Date:08/18/1989

FSC:6135

NIIN:01-294-2131

MSDS Number: BMVBF

=== Responsible Party ===

Company Name:TADIRAN ELECTRONIC INDUSTRIES INC. (US REP.)

Address:40 SEAVIEW BLVD.

City:PORT WASHINGTON

State:NY

ZIP:11050

Coun

try:US

Info Phone Num:516-621-4980

Emergency Phone Num:516-621-4980, 214-221-7523

CAGE:4J947

=== Contractor Identification ===

Company Name:BATTERY OUTLET INC

Address:1608 CAMPOSTELLA RD

Box:City:CHESAPEAKE

State:VA

ZIP:23324

Country:US

Phone:757-545-4442

CAGE:0FGN2

Company Name:TADIRAN ELECTRONICS INC.

Address:350 5TH AVENUE

Box:City:NEW YORK

State:NY

ZIP:10118-0001

Country:US

Phone:212-947-4600

CAGE:4J947

Company Name:TADIRAN ISRAEL ELECTRONICS INDUSTRIES LTD

Address:2 SEAVIEW BLVD

Box:City:PO

RT WASHINGTON  
State:NY  
ZIP:11050  
Country:US  
Phone:516-621-4980/ 800-786-4899  
CAGE:S0522

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Composition/Information on Ingredients  
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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  
Fraction by Wt: 50%  
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:2 PPM/5 STEL \*  
ACGIH TLV:2 PPM/5 STEL; 9192 \*

Ingred Name:SULFUR  
CAS:7704-34-9  
RTECS #:WS4250000  
Other REC Limits:NONE SPECIFIED

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Hazards Identification  
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:BATTERY PRESENTS NO HEALTH HAZARD AS  
LONG AS CASE REMAINS IN TACT. RUPTURED OR LEAKING CASE RELEASES  
MATERIAL WHICH IS CORRO

SIVE TO BODY TISSUES, CAUSES BURNS, HARMFUL  
IF INHALED.

Explanation of Carcinogenicity:NONE OF THE COMPOUNDS IN THIS PRODUCT IS  
LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.

Effects of Overexposure:SEVERE IRRITATION, BURNS.

Medical Cond Aggravated by Exposure:NONE GIVEN BY MANUFACTURER  
(SUPPLIER).

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

First Aid:EYE:FLUSH W/WATER 15 MIN, HOLD LIDS OPEN. SKIN:WASH WITH SOAP  
& WATER. REMOVE CONTAMINATED CLOTHING AND  
LAUNDRER BEFORE REUSE.

INHALATION:REMOVE TO FRESH AIR. RESTORE BREATHING IF NECESSARY.  
INGESTION: DO NOT INDUCE VOMITING. GET IMMEDIATE MEDICAL CARE. IF  
IRRITATION PERSISTS OR IS SEVERE,SEE A DOCTOR.

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

Flash Point:NONE

Extinguishing Media:\*\*DO NOT USE WATER\*\* USE LITH-X, METAL  
EXTINGUISHER, SAND, ETC.

Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA &  
FULL PROTECTIVE EQUIPMENT WHEN FIGHT  
ING CHEMICAL FIRE. USE WATER  
SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.

Unusual Fire/Explosion Hazard:FIRE OR EXCESSIVE HEAT MAY CAUSE  
PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS.

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

Spill Release Procedures:VENTILATE AREA. WEAR PROPER EQUIPMENT. PUT IN  
DISPOSAL CONTAINER FILLED WITH OIL.

Neutralizing Agent:NONE

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

Handling and Storage Precaut

ions:DO NOT INCINERATE OR EXPOSE TO WATER,  
RECHARGE, DISASSEMBLE OR HEAT ABOVE 212F. FIRE AND EXPLOSION  
HAZARD!

Other Precautions:NONE

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

Respiratory Protection:RESPIRATOR WILL BE NECESSARY ONLY IF BATTERY IS  
LEAKING. THEN USE AN APPROVED AIR SUPPLIED RESPIRATOR IF EXPOSURE  
IS ABOVE THE TLV/PEL. SEE 29 CFR 1910.134 FOR REGULATIONS  
PERTAINING TO RESPIRATOR USE .

Ventilation:NONE NECESSARY UNLESS BATTERY CASE IS

LEAKING; THEN  
VENTILLATE ROOM.

Protective Gloves:NEOPRENE, NITRILE, VPC OR NATURAL RUBBER

Eye Protection:SAFETY GLASSES OR GOGGLES

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.

INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED. SEE SUPP DATA.

Work Hygienic Practices:USE GOOD CHEMICAL HYGIENE PRACTICE. AVOID  
UNNECESSARY CONTACT.

Supplemental Safety and Health

USE OF PERSONAL PROTECTIVE EQUIPMENT IS REQUIRED IF HANDLING LEAKING OR  
RUPTURED BATTERIES. AT OTHER TI  
MES IT IS UNNECESSARY.

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

HCC:F8

Appearance and Odor:BATTERY

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

Stability Indicator/Materials to Avoid:YES

WATER IN CONTACT WITH THE INTERNALS OF THE BATTERY.

Stability Condition to Avoid:FIRE, TEMPERATURES ABOVE 160

Hazardous Decomposition Products:SULFUR DIOXIDE, HYDROGEN CHLORIDE,  
HYDROGEN

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

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Waste Disposal Methods:DISPOSE I/A/W ALL FEDERAL, STATE AND LOCAL  
REGULATIONS. MANUFACTURER SUGGESTS THAT DISPOSAL MAY BE DONE BY  
PROFESSIONAL BATTERY DISPOSAL SERVICE.

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