

TADIRAN LTD., COMMUNICATIONS GROUP -- 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: BPHS

=== Responsible Party ===

Company Name:TADIRAN LTD., COMMUNICATIONS GROUP

Address:26 HASHOFTIM ST

Box:267

City:HOLON

Country:IS

Info Phone Num:USA 516-621-4980

Eme

rgency Phone Num:USA 516-621-4980

CAGE:0EYF2

=== 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 LTD., COMMUNICATIONS GROUP

Address:26 HASHOFTIM ST

Box:267

City:HOLON

Country:IS

Phone:USA 516-621-4980

CAGE:0EYF2

=====  
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  
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:5 PPM/5 STEL  
ACGIH TLV:2 PPM/5 STEL; 9293

Ingred Name:SULFUR  
CAS:7704-3  
4-9  
RTECS #:WS4250000  
Other REC Limits:NONE SPECIFIED

=====  
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:BATTERY PRESENTS NO HEALTH HAZARD AS  
LONG AS CASE REMAINS IN TACT. RUPTURED OR LEAKING CASE RELEASED  
MATERIAL WHICH IS CORROSIVE TO BODY TISSUES.  
Explanation of Carcinogenicity:NONE OF THE COMPOUNDS IN THIS PRODUCT IS  
LI  
STED BY IARC, NTP, OR OSHA AS A CARCINOGEN.  
Effects of Overexposure:SEVERE IRRITATION OF THE BODY WHERE THE LIQUID  
OR OTHER INTERNAL MATERIAL CONTACTS IT,  
Medical Cond Aggravated by Exposure:NONE GIVEN BY MANUFACTURER  
(SUPPLIER).

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

First Aid:EYE:FLUSH W/WATER 15 MIN, HOLD LIDS OPEN. SKIN:WASH WITH  
SOAP & WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDER BEFORE  
REUSE. INHALED:REMOVE TO FRESH AIR. RESTORE BREATHIN

G IF

NECESSARY. INGESTED: DO NOT INDUCE VOMITING. GIVE 2 LARGE GLASSES OF MILK OR WATER AND GET IMMEDIATE MEDICAL CARE. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. IF IRRITATION PERSISTS OR IS SEVERE, SEE A DOCTOR.

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

Flash Point: NONE

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

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

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

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

Neutralizing Agent: NONE

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

Handling and Storage

Precautions: DO NOT RECHARGE, DISASSEMBLE OR HEAT ABOVE 212F. FIRE AND EXPLOSION HAZARD!

Other Precautions: NONE

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

Respiratory Protection: RESPIRATOR WILL BE NECESSARY ONLY IF BATTERY IS LEAKING. THEN USE AN APPROVED AIR SUPPLIED RESPIRATOR OR RESPIRATOR FOR ALKALINE DUST/MIST 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 VENTILATE 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 BATTERIE

S. AT OTHER TIMES 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 =====

=====

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.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department  
of Defense. The United States of America in no manner whatsoever,  
expressly or implied, warrants this information to be accurate and  
disclaims all liability f

or its use. Any person utilizing this

document should seek competent professional advice to verify and  
assume responsibility for the suitability of this information to their  
particular situation.