

TADIRAN LTD., COMMUNICATIONS GROUP -- LITHIUM THIONYL CHLORIDE BATTERY --
6135-01-272-4047

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

Product ID:LITHIUM THIONYL CHLORIDE BATTERY

MSDS Date:08/18/1989

FSC:6135

NIIN:01-272-4047

MSDS Number: BNNJZ

=== 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

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

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:NO
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 CORROSIVE TO SKIN AND RESPIRATORY TRACT.
Explanation of Carcinogenicity:NONE OF THE COMPOUNDS IN THIS PRODU
CT IS
LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.
Effects of Overexposure:SEVERE IRRITATION AND BURNS. UPPER RESPIRATORY
TRACT IRRITATION.
Medical Cond Aggravated by Exposure:NONE GIVEN BY MANUFACTURER
(SUPPLIER).

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First Aid Measures
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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 BREATHING 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.

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Fire Fighting Measures
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Flash Point:NONE

Extinguishing Media:DO NOT USE WATER. USE LITH-X 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:SULFUR DIOXIDE, HYDROGEN AND HYDROCHLORIC ACID WILL BE RELEASED IF BATTERY IS OPENED.

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Accidental Release Measures
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Spill Release Procedures:VENTILATE AREA. WEAR RESPIRATOR AND PROTECTIVE CLOTHING. PUT LEAKING BATTERIES IN DISPOSAL CONTAINER FILLED WITH OIL.

Neutralizing Agent:NONE

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Handling and Storage
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Handling and Storage Precautions:WARNING: FIRE, EXPLOSION AND SEVERE BURN HAZARD. DO NOT RECHARGE, DISASSEMBLE, HEAT ABOVE 212F, INCINERATE OR EXPOSE CONTENTS TO WATER.

Other Precautions:NONE

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Exposure Controls/Personal Protection
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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, PVC 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.

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

Supplemental Safety and Health
USE OF PERSONAL P

ROTECTIVE EQUIPMENT IS REQUIRED IF HANDLING LEAKING OR RUPTURED BATTERIES. AT OTHER TIMES IT IS UNNECESSARY.

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

HCC:Z6

Appearance and Odor:CYLINDRICAL BATTERY.

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

Stability Indicator/Materials to Avoid:YES

AVOID WATER CONTACT WITH THE INTERNALS OF THE BATTERY.

Stability Condition to Avoid:FIRE, TEMPERATURES ABOVE 302F.

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.

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