

TADIRAN LTD. ISRAEL, TADIRAN ELECTRONICS. -- TADIRAN LITHIUM INORGANIC 3.6V BATTERY,SIZE AA. -- 6135-01-324-2505

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

Product ID:TADIRAN LITHIUM INORGANIC 3.6V BATTERY,SIZE AA.

MSDS Date:10/26/1996

FSC:6135

NIIN:01-324-2505

MSDS Number: CDGQD

=== Responsible Party ===

Company Name:TADIRAN LTD. ISRAEL, TADIRAN ELECTRONICS.

Address:2 SEAVIEW BLVD.

City:PORT WASHINGTON

State:NY

ZIP:11050

Country:US

Info Phone Num:516-621-4980

Emergency Phone Num:516-621-4980, 408-353-8483

Preparer's Name:NONE

CAGE:S0552

=== Contractor Identification ===

Company Name:NETEX INDUSTRIES(FORMER NORTHEAST TEXAS IND)

Address:1700 NORTH EDWARDS STREET

Box:City:MOUNT PLEASANT

State:TX

ZIP:75455

Country:US

Phone:903-577-0388

CAGE:0WAG0

Company Name:TADIRAN ELECTRONIC INDUSTRIES

Address:40 SEAVIEW BLVD

Box:City:PORT WASHINGTON

State:NY

ZIP:11050

Country:US

Phone:516-621-4980

CAGE:0BYG1

C

Company Name:TADIRAN LTD. ISRAEL, TADIRAN ELECTRONICS.  
Address:2 SEAVIEW BLVD.  
Box:City:PORT WASHINGTON  
State:NY  
ZIP:11050  
Country:US  
Phone:516-621-4980  
CAGE:S0552

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

Ingred Name:THIONYL CHLORIDE (SOCL2)  
CAS:7719-09-7  
RTECS #:XM5150000  
Fraction by Wt: 40%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:C 1 PPM  
ACGIH TLV:C 1 PPM; 9495

Ingred Name:LITHIUM (LI)  
CAS:7439-93-2  
RTECS #:OJ5540000  
Fraction by Wt: 5%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:CARBON (C)  
Fraction by Wt: 5%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:ALUMINUM CHLORIDE (ALCL3)  
CAS:7446-70-0  
RTECS #:BD0525000  
Fraction by Wt: 6%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:LITHIUM CHLORIDE (LICL)  
CAS:7447-41-8  
RTECS #:OJ5950000  
Fraction by Wt: 2%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:NIKEL PLATED IRON  
Fraction by Wt: 39%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:STAINLESS STEEL  
Fraction by Wt: 2%  
Other REC Limits:NONE RECOMMENDED

Ingred Name:GLASS SEPARATOR  
Fraction by Wt: 1%  
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: WHEN EXPOSED INTERNAL CONTENT:  
VAPORS VERY IRRITATING TO EYES, MUCOUS MEMBRANE AND SKIN. CHRONIC:  
OVEREXPOSURE CAN CAUSE SYMPTOMS OF NONFIBR  
OTIC LUNG INJURY AND  
MEMBRANE IRRITATION.  
Effects of Overexposure:WHEN EXPOSED TO INTERNAL CONTENTS: DISTINCT  
ODOR, COUGHING, ACIDIC TASTE, EYE AND MUCOUS IRRITATION.  
Medical Cond Aggravated by Exposure:LUNGS INJURIES, ASTHMA, OTHER  
RESPIRATORY DISORDERS, ECZEMA, SKIN ALLERGIES.

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

First Aid:IN CASE OF BATTERY DAMAGE AND EXPOSURE TO INTERNAL COMPONENTS  
SEEK MEDICAL ASSISTANCE FOR FURTHER TREATMENT, OBSERVATION, A  
ND  
SUPPORT IF NECESSARY. EYES: FLUSH WITH LARGE AMOUNTS OF WATER. GET  
MEDICAL ATTENTION. SKIN: REBOVE CONTAMINATED CLOTHING. WASH SKIN  
AREA WITH PLENTY OF WATER. IF BURNS DEVELOPED GET MEDICAL ATENTION.  
INHALATION: MOVE TO FRESH AIR. SUPPORT BREATHING. GET MEDICAL  
ATTENTION.

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

Extinguishing Media:LIT-X-EXTINGUISHER(TRADEMARK FOR A GRAPHITE-BASED  
POWDER)  
Fire Fighting Procedures:DO NOT USE: WATER, SAND,  
CARBON DIOXIDE,  
SODA-ACID OR HALOGENATED HYDROCARBONS EXTINGUISHERS. WEAR  
PROTECTIVE BREATHING APPARATUS, COVER WITH LIT-X POWDER.  
Unusual Fire/Explosion Hazard:DO NOT EXPOSE TO TEMPERATURES ABOVE 150C,  
INCINERATE, PUNCTURE, CRUSH, RECHARGE, OVERDISCHARGE, OR SHORT  
CIRCUITING.

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

Spill Release Procedures:VENTILATE THE CONTAMINATED AREA. DO NOT BREATH  
VAPORS OR TOUCH CELL CONTENT WITH BARE HANDS.  
Neutralizing A

gent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:SPECIFIED BY U.L.: "WARNING:  
FIRE,EXPLOSION AND SEVERE HAZARD.DO NOT RECHARGE, DISASSEMBLE, HEAT  
ABOVE 212F, INCINERATE, OR EXPOSE CONTENTS TO WATER".  
Other Precautions:DO NOT STORE BATTERIES FOR LONG PERIODS IN HIGH  
HUMIDITY, DO NOT SHORT CIRCUIT, RECHARGE, OVERDISCHARGE, EXPOSE TO  
TEMPERATURE ABOVE 150C, CRUSH, OR PUNCTURE.

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

Respiratory Protection:ACID GAS FILTER MASK.  
Ventilation:LOCAL EXHAUST VENTILATION.  
Protective Gloves:BUTYL RUBBER GLOVES.  
Eye Protection:CHEMICAL WORKER SAFETY GLASSES.  
Other Protective Equipment:CHEMICAL LABORATORY GARMENTS.  
Work Hygienic Practices:NOT APPLICABLE.  
Supplemental Safety and Health  
WATER REACTIVE: BATTERY INGREDIENTS CAN FORM HCL, SO2, H2 UPON CONTACT  
WITH WATER (ONLY WHEN FORCED OPEN).

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

HCC:N1

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

Stability Indicator/Materials to Avoid:YES  
EXPOSE INTERNAL CONTENTS TO WATER.  
Stability Condition to Avoid:FIRE,HEAT OVER 150C,FORCE  
OPENING,RECHARGING,INCINERATING,EXPOSE CONTENT TO WATER OR HIGH  
HUMIDITY FOR EXTENDED PERIODS.  
Hazardous Decomposition Products:SULFUR DIOXIDE (SO2), HYDROGEN  
CHLORIDE (HCL), HYDROGEN (H2).  
Conditions to Avoid Polymerization:WILL NOT OCCUR.

==

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

Waste Disposal Methods: BURY IN GROUND 1 METER DEEP OR DISPOSE OF WITH SPECIAL EQUIPMENT, OR USE PROFESSIONAL BATTERY DISPOSAL SERVICE BY RECOVERY & RECLAMATION INC. (915) 447-3272 OR B.D.T. (716) 634-6794.

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 for 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.