

TADIRAN ELECTRONIC INDUSTRIES INC -- TADIRAN LITHIUM INORGANIC 3.6V BATTERY --  
6135-01-425-7434

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

Product ID:TADIRAN LITHIUM INORGANIC 3.6V BATTERY

MSDS Date:10/23/1996

FSC:6135

NIIN:01-425-7434

MSDS Number: CHHYT

=== Responsible Party ===

Company Name:TADIRAN ELECTRONIC INDUSTRIES INC

Address:575 LEXINGTON AVE 21ST FLOOR

City:NEW YORK

State:NY

ZIP:10122

Country:

US

Info Phone Num:212-751-3600

Emergency Phone Num:212-751-3600

Preparer's Name:NONE

CAGE:4J947

=== Contractor Identification ===

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

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===== 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 P

PM; 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

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===== 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:

VA

PORS VERY IRRITATING TO EYES, MUCOUS MEMBRANE AND SKIN. CHRONIC: OVEREXPOSURE CAN CAUSE SYMPTOMS OF NONFIBROTIC LUNG INJURY AND MEMBRANE IRRITATION.

Explanation of Carcinogenicity:NOT APPLICABLE.

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.

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===== First Aid Measures =====  
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First Aid:IN CASE OF BATTERY DAMAGE AND EXPOSURE TO INTERNAL COMPONENTS SEEK MEDICAL ASSISTANCE FOR FURTHER TREATMENT, OBSERVATION, AND 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.

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===== Fire Fighting Measure  
s =====

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.

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

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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===== 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 FO

R 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 a

nd 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 PER

IODS

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.

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ling agencies):

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