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TADIRAN ELECTRONIC INDUSTRIES INC -- LITHIUM THIONYL CHLORIDE BATTERY,TL-5104/P --

6135-01-225-9569

Product ID:LITHIUM THIONYL CHLORIDE BATTERY,TL-5104/P

MSDS Date:11/22/1993

FSC:6135

NIIN:01-225-9569

MSDS Number: BTRKZ === Responsible Party ===

Company Name: TADIRAN ELECTRONIC INDUSTRIES INC

Address:40 SEAVIEW BLVD City:PORT WASHINGTON

State:NY ZIP:11050 Country

:US

Info Phone Num:516-621-4980/800-786-4890

Emergency Phone Num:516-621-4980/800-786-4890

CAGE:0BYG1

=== 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: HEWLETT-PACKARD CO, CORPORATE HQ

Address:3000 MINUTEMAN RD

Box:City:ANDOVER

State:MA

ZIP:01810-1032 Country:US

Phone: 404-648-8754/FAX: 800-947-3299

CAGE:28480

Company Name: J.G.B. ENTERPRISES

Address:115 METROP

OLITAN DR Box:209 City:LIVERPOOL State:NY ZIP:13088 Country:US Phone:315-451-2770 CAGE:61125 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 Company Name: TADIRAN ISRAEL ELECTRONICS INDUSTRIES LTD Address: 2 SEAVIEW BLVD Box:City:PORT WASHINGTON State:NY ZIP:11050 Country:US Phone:516-621-4980/800-786-4899 CAGE:S0522 ====== Composition/Information on Ingredients ======== Ingred Name:LITHIUM METAL CAS:7439-93-2 RTECS #:OJ5540000 Other REC Limits: NONE RECOMMENDED Ingred Name: THIONYL CHLORIDE CAS:7719-09-7 RTECS #:XM5150000 Fraction by Wt: 50%

Other REC Limits: NONE RECOMMENDED

OSHA PEL:C 1 PPM

ACGIH TLV:C 1 PPM; 9596

Ingred Name: SULFUR DIOXIDE (SARA 302)

CAS:7446-09-5

RTECS #:WS4550000

Other REC Limits: NONE RECOMMENDED

OSHA PEL:5 PPM

ACGIH TLV:2 PPM/5 STEL; 9596

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS

UNKNOWN.
Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
THE REPORT OF A NONE

Health Hazards Acute and Chronic:TARGET ORGANS:NONE. ACUTE- BATTERY IS HERMETICALLY SEALED. IF BROKEN OR IN FIRE: CORROSIVE LIQUID, CAUSES BURNS, HARMFUL IF INHALED, INHALATION OF SULFUR DIOXIDE MAY CAUSE EYE & RESPIRATORY TRACT IRRI TATION, INGESTION CAN BE HARMFUL, CAN CAUSE SKIN IRRITATION/BURNS. CHRONIC- UNKNOWN.

Explanation of Carcinogenicity:NONE

Effects of Ove

rexposure: NONE. IF BROKEN OR IN FIRE: IRRITATION, DRY THROAT AND COUGHING, BURNS, PAIN

Medical Cond Aggravated by Exposure: NONE

 First Aid Measures	
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First Aid:IF BROKEN/FIRE: GET MEDICAL HELP IF SYMPTOMS PERSIST. INHALED:REMOVE TO FRESH AIR. CALL PHYSICIAN. EYES:FLUSH WITH WATER FOR 15 MINUTES, HOLD EYELIDS OPEN, SEE PHYSICIAN, SKIN: WASH WITH SOAP & WATER. ORAL: IF BATTERY/OPEN BATTERY IS INGESTED, DO NOT INDUCE VOMITING OR GI

VE FOOD/DRINK. SEEK IMMEDIATE MEDICAL

ATTENTION. CALL NATIONAL BATTERY INGESTION HOTLINE FOR ADVICE & FOLLOWUP (202-625-3333).

 Fire	Fighting	Measures	

Flash Point:NONE

Lower Limits: NOT RELEVANT Upper Limits:NOT RELEVANT

Extinguishing Media: FOR BURNING BATTERIES USE CLASS D EXTINGUISHERS; LITH-X, POWDERED GRAPHITE

Fire Fighting Procedures: NO WATER, SAND, CARBON DIOXIDE, SODA-ACID OR HALOGENATED EXTINGUISHERS. WEAR NIOSH-APPROVED SELF CONTAINED

BREATHING APPARATUS & FULL PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard: HAZARDOUS DECOMPOSITION PRODUCTS MAY BE FORMED.

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

Spill Release Procedures: IF BROKEN, WEAR PROTECTIVE CLOTHING AND RESPIRATORY EQUIPMENT SUITABLE FOR TOXIC GASES. SWEEP, SCOOP OR PICK UP SPILLED MATERIAL. TRANSFER TO A SUITABLE CONTAINER FOR DISPOSAL. USE LARGE CONTAINER FIL LED WITH OIL AND FILTERED MASKS. **VENTILATE A**

Neutralizing Agent:NOT RELEVANT
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Handling and Storage Precautions: VENTILATED AREAS EQUIPPED WITH SPRINKLER SYSTEM, AWAY FROM FLAMMABLES & WATER. WASH THOROUGHLY AFTER HANDLING. DO NOT HEAT ABOVE 212F. Other Precautions: DO NOT INCINERATE. DO NOT TOUCH BROKEN OR LEAKING BATTERIES. AVOID MECHANICAL OR ELECTRICAL ABUSE. DO NOT ATTEMPT TO RECHARGE. AVOID SHORT CIRCUITS. DO NOT CARRY BATTERIES LOOSE IN POCKET OR BAG. KEEP BATTERIES AWAY FROM SMALL CHILDREN.
====== Exposure Controls/Personal Protection ========
Respiratory Protection:NOT NECESSARY UNDER NORMAL CONDITIONS OF USE. WEAR NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WHEN LARGE NUMBERS OF CELLS ARE INVOLVED IN A FIRE. Ventilation:ADEQUATE Protective Gloves:RUBBER FOR LEAKERS Eye Protection:GOGGLES FOR LEAKERS Other Protective Equipment:EYE BATH, WASHING FACILITIES Work Hygienic Practices:OBSERVE GOOD INDUSTRIA L HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH THOROUGHLY BEFORE EATING, DRINKING/SMOKING. Supplemental Safety and Health
========= Physical/Chemical Properties ==========
HCC:N1 NRC/State Lic Num:NOT RELEVANT Spec Gravity:NOT RELEVANT Viscosity:NOT RELEVANT Evaporation Rate & amp; Reference:NOT RELEVANT Solubility in Water:NOT RELEVANT Appearance and Odor:BATTERY - ODORLESS
========= Stability and Reactivity Data =========
Stability Indicato

r/Materials to Avoid:YES
WATER WITH INTERNAL CONTNETS
Stability Condition to Avoid:FIRE, HEAT ABOVE 150C/302F, MOISTURE
Hazardous Decomposition Products:RUPTURED BATTERIES WILL RELEASE SULFUR DIOXIDE, HYDROGEN, HYDROGEN CHLORIDE.

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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