

TADIRAN ELECTRONIC INDUSTRIES INC -- TADIRAN T, TD, HTX, TDH, TDV BATTERIES --  
6130-01-075-0731

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

Product ID:TADIRAN T, TD, HTX, TDH, TDV BATTERIES  
MSDS Date:08/18/1989  
FSC:6130  
NIIN:01-075-0731  
MSDS Number: BTJCJ  
=== Responsible Party ===  
Company Name:TADIRAN ELECTRONIC INDUSTRIES INC  
Address:40 SEAVIEW BLVD  
City:PORT WASHINGTON  
State:NY  
ZIP:11050  
Country:US  
In  
fo Phone Num:516-621-4980  
Emergency Phone Num:516-621-4980  
CAGE:0BYG1  
=== Contractor Identification ===  
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:TEKTRONIX INC  
Address:14150 SW KARL BRAUN DR  
Box:500  
City:BEAVERTON  
State:OR  
ZIP:97077  
Country:US  
Phone:503-627-7255  
CAGE:80009

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

Ingred Name:NICKEL (SARA III)  
C

AS:7440-02-0  
RTECS #:QR5950000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:1 MG/M3  
ACGIH TLV:1 MG/M3; 9394

Ingred Name:CADMIUM (SARA III)  
CAS:7440-43-9  
RTECS #:EU9800000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:0.2 MG/M3 DUST; Z-2  
ACGIH TLV:0.01 MG/M3 DUST;9394  
EPA Rpt Qty:10 LBS  
DOT Rpt Qty:10 LBS

Ingred Name:POTASSIUM HYDROXIDE (SARA III)  
CAS:1310-58-3  
RTECS #:TT2100000  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:C 2 MG/M3  
ACGIH TLV:C 2 MG/M3; 9394  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.  
Routes of Entry: Inhalation:NO Skin:YES Ingestion:NO  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES  
Health Hazards Acute and Chronic:NO HAZARDS EXPECTED UNLESS EXPOSED TO  
BATTERY CONTENTS. ELECTROLYTE IS CORROSIVE TO TISSUE. SHORTING  
CELLS MAY CAUSE THERMAL BURNS.  
Explanation of Carcinogenicity:CONTAINS C [7440-43-9] WHICH IS  
LISTED BY NTP AND IARC AND  
REGULATED BY OSHA AS A CARCINOGEN.  
Effects of Overexposure:DAMAGED TISSUE IN AREA CONTACTED BY  
ELECTROLYTE, THERMAL BURNS.  
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALATION: REMOVE FROM EXPOSURE. RESTORE BREATHING. KEEP  
WARM AND QUIET. GET MEDICAL ATTENTION. SKIN: WASH AFFECTED AREA  
THOROUGHLY WITH SOAP AND WATER. IF IRRITATION PERSISTS, GET MEDICAL  
ATTENTION. EYES: FLUS

H WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES.  
GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. GET  
MEDICAL ATTENTION IMMEDIATELY.

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

Flash Point:NONFLAMMABLE  
Lower Limits:NOT GIVEN  
Upper Limits:NOT GIVEN  
Extinguishing Media:DRY SAND  
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND  
FULL FACE-PIECE SELF-CONTAINED BREATHING APPARATUS.  
Unusual Fire/Explosion Hazard:FIRE OR EXCESSIVE HEAT MAY  
CAUSE  
PRODUCTION OF HAZARDOUS DECOMPOSITION PRODUCTS.

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

Spill Release Procedures:FLUSH WITH WATER.  
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:DO NOT SHORT CIRCUIT, REVERSE CHARGE,  
DEEP DISCHARGE, DISPOSE IN FIRE.  
Other Precautions:NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection:NOT NORMALLY REQUIRED.  
Ventilation:LOCAL EXHAUST AND MECHANICAL (GENERAL) VENTILATION TO  
MAINTAIN EXPOSURE LEVELS.  
Protective Gloves:NOT NORMALLY REQUIRED.  
Eye Protection:NOT NORMALLY REQUIRED.  
Other Protective Equipment:EMERGENCY EYEWASH STATION AND SHOWER.  
Work Hygienic Practices:WASH WITH SOAP AND WATER AFTER HANDLING PRODUCT  
AND BEFORE EATING DRINKING OR SMOKING.  
Supplemental Safety and Health  
NONE SPECIFIED BY MANUFACTURER.

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

HCC:N1

Boiling Pt:B.P. Text:NOT GIVEN

Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN

Vapor Pres:NOT GIVEN

Vapor Density:NOT GIVEN

Spec Gravity:NOT GIVEN

Evaporation Rate & Reference:NOT GIVEN

Solubility in Water:NOT GIVEN

Appearance and Odor:NICKEL CADMIUM ALKALINE CELLS

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

Stability Indicator/Materials to Avoid:YES

NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid:FIRE

, REVERSE CHARGING, DEEP DISCHARGING,  
PHYSICAL DAMAGE.

Hazardous Decomposition Products:HYDROGEN AND OXYGEN

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

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUNDING  
ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR  
LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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