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POWER CONVERSION INC -- LITHIUM MANGANESE DIOXIDE CELLS & BATTERYS

6135-01-340-7883

Product ID:LITHIUM MANGANESE DIOXIDE CELLS & BATTERYS

MSDS Date:11/29/1995

FSC:6135

NIIN:01-340-7883

MSDS Number: CCCJB === Responsible Party ===

Company Name: POWER CONVERSION INC

Address:495 BOULEVARD City:ELMWOOD PARK

State:NJ

ZIP:07407-2029

Country:US

Info Phone Num:201-796

-4800

Emergency Phone Num:201-796-4800

Preparer's Name:R. ZEZULA

CAGE:5G978

=== Contractor Identification ===

Company Name: HAWKER ETERNACELL, INC.

Address:495 BOULEVARD Box:City:ELMWOOD PARK

State:NJ

ZIP:07407-2029 Country:US

Phone:201-796-4800 /FAX: 201-796-6243

CAGE:5G978

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

Ingred Name:MANGANESE DIOXIDE (NOTE THAT MFR LISTED CAS NO. AS 1313-13-4, AN INVALID NUMBER.)

CAS:1313-13-9

RTECS #:OP0350000 Fraction by Wt: 36-42%

0

ther REC Limits:NONE RECOMMENDED OSHA PEL:5 MG MN/M3 CEILING ACGIH TLV:5 MG MN/M3

Ingred Name:LITHIUM (METAL)

CAS:7439-93-2 RTECS #:OJ5540000 Fraction by Wt: 2-4%

Other REC Limits: NONE RECOMMENDED

Ingred Name: PROPYLENE CARBONATE

CAS:108-32-7

RTECS #:FF9650000 Fraction by Wt: 4-6%

Other REC Limits: NONE RECOMMENDED

Ingred Name: DIMETHOXYETHANE

CAS:110-71-4

RTECS #:KI1451000 Fraction by Wt: 6-8%

Other REC Limits:NONE RECOMMENDED

Ingred Name:1,3-DIOXOLANE

CAS:646-06-0

RTECS #:JH6760000

Fraction b y Wt: 3-5%

Other REC Limits: NONE RECOMMENDED

Ingred Name: MIXTURE OF LITHIUM SALTS

Fraction by Wt: 2-3%

Other REC Limits: NONE RECOMMENDED

Ingred Name: STEEL CASING & NON-HAZARDOUS COMPONENTS

Fraction by Wt: 34-4%

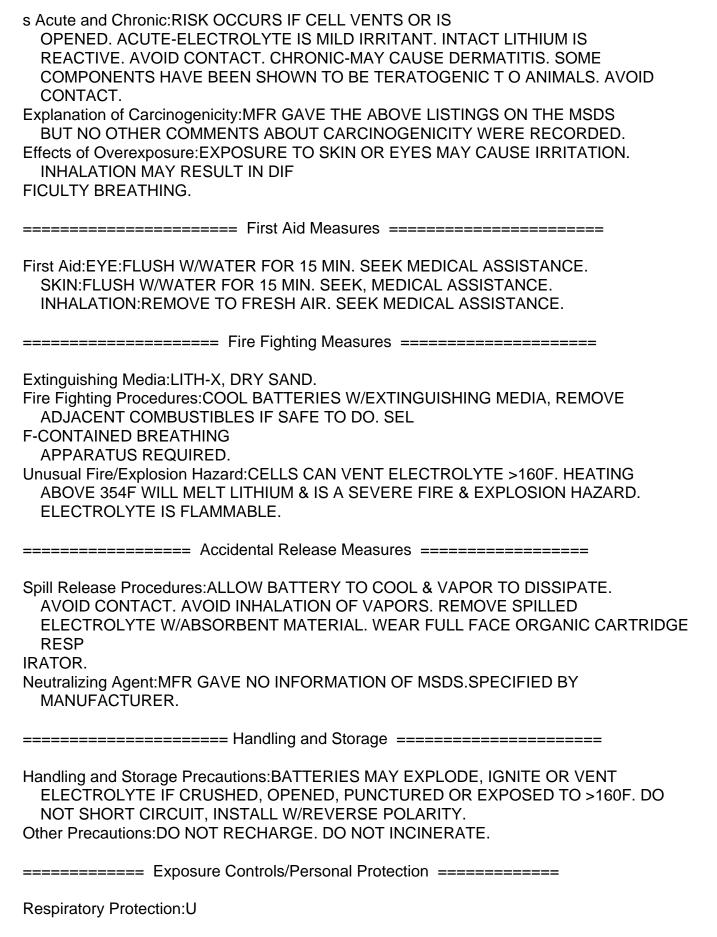
Other REC Limits: NONE RECOMMENDED

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

LD50 LC50 Mixture:PRODUCT'S LD50 (ORAL RAT) WAS NOT STATED

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazard



SE FULL FACE ORGNIC VAPOR RESPIRATOR IF CELL VENTS.
Ventilation:PROVIDE IF CELL VENTS. Protective Gloves:NATURAL OR BUTYL RUBBER GLOVES
Eye Protection:CHEMICCAL GOGGLES. Other Protective Equipment:USE ENCAPSULATING SUIT IF FIRE OCCURS.
Work Hygienic Practices:AVOID EXPOSURE. WASH HANDS AFTER HANDLING. Supplemental Safety and Health
THIS MSDS OBTAINED BY DDRV & WAS ENTERED AT THEIR REQUEST.
Physical/Chemical Properties
HCC:N1
NRC/State Lic Num:NONE Me
t/Freeze Pt:M.P/F.P Text:SECT. IV
Solubility in Water:DO NOT EXPOSE TO H2O Appearance and Odor:APPEARANCE OF SMALL BATTERY; CYLINDRICAL OR
BOXLIKE. ODOR:NONE
======================================
Stability Indicator/Materials to Avoid:YES DO NOT EXPOSE WATER.
Stability Condition to Avoid:DO NOT HEAT ABOVE 160F, PUNCTURE, OPEN
CELL, SHORT CIRCUIT, OR ATTEMPT TO RECHARGE. Hazardous Decomposition Products:MAY INCLUDE CARBON MONOXIDE & CAUSTIC
LITHIUM OXI DE.
Conditions to Avoid Polymerization:WILL NOT OCCUR.
========= Disposal Considerations ==============
Waste Disposal Methods:FULLY DISCHARGE PRIOR TO DISPOSAL. DISPOSE OF I/A/W FEDERAL, STATE & LOCAL REGULATIONS.
Disclaimer (provided with this information by the compiling agencies):

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