

HAWKER ETERNACELL INC (FORMALLY POWER CONVERSION INC) -- ETERNACELL LITHIUM SDX
-- 6135-01-159-9705

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

Product ID:ETERNACELL LITHIUM SDX

MSDS Date:08/28/1998

FSC:6135

NIIN:01-159-9705

MSDS Number: CJRFK

=== Responsible Party ===

Company Name:HAWKER ETERNACELL INC (FORMALLY 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:(800)424-9300

Preparer's Name:K. ERRICKSON

Chemtrec Ind/Phone:(800)424-9300

CAGE:5G978

=== Contractor Identification ===

Company Name:FEDCO ELECTRONICS INC

Address:363 CAPITAL DR

Box:1403

City:FOND DU LAC

State:WI

ZIP:54936-1403

Country:US

Phone:920-922-6490/FAX 920-922-6750

Contract Num:SP0430-00-M-G376

CAGE:0FCZ6

Company Name:HAWKER ETERNACELL, INC.

Address:495 BOULEVARD

Box:City:ELMWOOD PARK

State:NJ

ZIP:07407-2029

Country:US

Phone:201-796-4

800 /FAX: 201-796-6243
CAGE:5G978

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Composition/Information on Ingredients
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Ingred Name:SULFUR DIOXIDE
CAS:7446-09-5
RTECS #:WS4550000
OSHA PEL:13 MG/M3;5 PPM
ACGIH TLV:5.2 MG/M3;2 PPM
ACGIH STEL:13 MG/M3;5 PPM

Ingred Name:LITHIUM METAL
CAS:7439-93-2
RTECS #:OJ5540000

Ingred Name:PROPYLENE
CAS:115-07-1
RTECS #:UC6740000

Ingred Name:ACETONITRILE
CAS:75-05-8
RTECS #:AL7700000
OSHA PEL:70 MG/M3;40 PPM
ACGIH TLV:67 MG/M3;40 PPM
ACGIH STEL:101 MG/M3;60 PPM
EPA Rpt Qty:
5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:LITHIUM SALTS MIXTURE

Ingred Name:STEEL CASING AND NON-HAZARDOUS COMPONENTS

Ingred Name:TEFLON
CAS:9002-84-0
RTECS #:KX4025000

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Hazards Identification
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LD50 LC50 Mixture:NOT PROVIDED.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:RISK ONLY OCCURS IF CELL VENTS OR IS
OPENED. ACUTE: ELECTROLYTE IS SEVERE IRRI

TANT. INTACT LITHIUM IS

REACTIVE, WITH MOISTURE. AVOID CONTACT. CHRONIC: MAY CAUSE DERMATITIS. SOME COMPONENTS HAVE BEEN SHOWN TO BE TERATOGENIC TO ANIMALS. AVOID CONTACT.

Explanation of Carcinogenicity:NOT PROVIDED.

Effects of Overexposure:NOT PROVIDED.

Medical Cond Aggravated by Exposure:UNKNOWN.

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

First Aid:EYE: FLUSH WITH WATER FOR 15 MINUTES. SEEK MEDICAL ASSISTANCE. SKIN: FLUSH WITH WATER FOR 15 MINUTES. SEEK MEDICAL ASSISTANCE. INHALATION: REMOVE TO FRESH AIR. SEEK MEDICAL ASSISTANCE.

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

Flash Point:NA

Autoignition Temp:Autoignition Temp Text:NA

Lower Limits:NA

Upper Limits:NA

Extinguishing Media:LITH-X, DRY SAND, DRY POWDERED GRAPHITE.

Fire Fighting Procedures:COVER BATTERY WITH EXTINGUISHING MEDIA, ALLOW TO COOL, REMOVE ADJACENT COMBUSTIBLE MATERIALS IF SAFE TO DO SO, SCBA REQUIRED.

Unusual Fire/Explosion Haza

rd:DO NOT USE WATER TO EXTINGUISH FIRES, CELLS CAN REACT WITH WATER VIOLENTLY. CELLS CAN VENT ELECTROLYTE IF SUBJECTED TO TEMPERATURES OF 185F OR GREATER. HEATING ABOVE 353F WILL LEAD TO MELTING OF LITHI UM AND REPRESENTS A SEVERE FIRE AND EXPLOSION HAZARD.

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

Spill Release Procedures:ALLOW BATTERY TO COOL AND VAPOR TO DISSIPATE. AVOID INHALATION OF VAPORS. REMOVE SPILLED ELECTROLYTE WITH ABSORBENT MATERIA

L. WEAR FULL-FACE ACID/ORGANIC CARTRIDGE RESPIRATOR.

Neutralizing Agent:NOT PROVIDED.

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

Handling and Storage Precautions:BATTERIES MAY EXPLODE, IGNITE, OR VENT ELECTROLYTE IF CRUSHED, OPENED, PUNCTURED, OR EXPOSED TO TEMPERATURES IN EXCESS OF 185F. DO NOT SHORT CIRCUIT, INSTALL WITH INCORRECT POLARITY, OR ATTEMPT TO REC HARGE. DO NOT INCINERATE.

Other Precautions:NOT PROVIDED.

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===== Exposure Controls/Pe

Personal Protection =====

Respiratory Protection:USE FULL-FACE ACID/ORGANIC VAPOR RESPIRATOR IF CELL VENTS. USE SCBA IF LARGE NUMVERS OF CELLS VENT SIMULTANEOUSLY.

Ventilation:PROVIDE IF CELL VENTS.

Protective Gloves:NATURAL OR BUTYL RUBBER

Eye Protection:CHEMICAL GOGGLES.

Other Protective Equipment:USE ENCAPSULATING SUIT IF FIRE OCCURS.

Work Hygienic Practices:AVOID EXPOSURE. WASH HANDS AFTER HANDLING.

Supplemental Safety and Health

P/N: G32/11..

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

HCC:Z6

NRC/State Lic Num:NOT RELEVANT.

Boiling Pt:B.P. Text:NA

Melt/Freeze Pt:>178.9C, 354.F

Vapor Pres:NA

Vapor Density:NA

Spec Gravity:NA

Viscosity:NOT RELEVANT.

Evaporation Rate & Reference:NA

Solubility in Water:DO NOT EXPOSE TO WATER

Appearance and Odor:APPERANCE OF SMALL BATTERY, CYLINDRICAL OR BOXLIKE, NO ODOR.

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

Stability Indicator/Materials to Avoid:YES

DO NOT EXPOSE TO WATER.

Stability Condition to Avoid:DO NOT HEAT ABOVE 185F, PUNCTURE, OPEN CELL, SHORT CIRCUIT, OR ATTEMPT TO RECHARGE.

Hazardous Decomposition Products:MAY INCLUDE CARBON MONOXIDE AND CAUSTIC LITHIUM OXIDE.

===== Toxicological Information =====

Toxicological Information:NOT PROVIDED.

===== Ecological Information =====

Ecological:NOT PROVIDED.

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

Waste Disposal M

ethods:FULLY DISCHARGE PRIOR TO DISPOSAL. DISPOSE OF IN
ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

===== MSDS Transport Information =====

Transport Information:PROPER SHIPPING NAME: LITHIUM BATTERY. CLASS: 9.
UN ID NO.: UN3090. PACKING GROUP: II. LABEL: CLASS 9. EXCEPTION:
LITHIUM CELLS AND BATTERIES CONTAINING NO MORE THAN 1.0G LITHIUM
ARE NOT SUBJECT TO 49 CFR 173.185. [173.185(B)(1)],
[173.185(B)(2)].

===== Regu
latory Information =====

SARA Title III Information:NOT PROVIDED.
Federal Regulatory Information:NOT PROVIDED.
State Regulatory Information:NOT PROVIDED.

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