

HAWKER ETERNACELL INC (FORMALLY POWER CONVERSION INC) -- ETERNACELL LITHIUM SDX
-- 6135-01-448-4680

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

Product ID:ETERNACELL LITHIUM SDX
MSDS Date:08/28/1998
FSC:6135
NIIN:01-448-4680
Status Code:A
MSDS Number: CKWDR
=== 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. ERICKSON
Chemtrec Ind/Phone:(800)424-9300
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
Contract Num:DAAB07-96-D-G018-011
CAGE:5G978

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

Ingred Name:SULFUR DIOXIDE
CAS:7446-09-5
RTECS #:WS4550000
OSHA PEL:5 MG/M3
ACGIH TLV:5.2 MG/M3;2 PPM
ACGIH ST

EL:13 MG/M3;5 PPM

Ingred Name:LITHIUM
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:67 MG/M3
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 & NON-HAZARDOUS COMPONENTS

Ingred Name:TEFLON
CAS:9002-84-0
RTECS #:KX4025000
OSHA PEL:15 MG/M3

===== Hazards Identification
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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 IRRITANT. INTACT LITHIUM IS
REACTIVE WITH MOISTURE. AVOID CONTACT. CHRONIC: MAY CAUSE
DERMATITIS. SOME COMPONENTS HAVE BEEN SHOWN TO BE TERATOGENIC TO
ANIMALS. AVOID CONTACT.
Effects of Overexposure:EXPOSURE TO SKIN OR EYES MAY CAUSE IRRITATION.
INHALATION MAY RESULT IN DIFFICULTY BREATHING.

===== 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.

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

Extinguishing Media:FLASH POINT: AVOID TEMPERATURES ABOVE 185F. LITH-X,
DRY SAND, DRY POWDER

D 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 Hazard: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 354F WILL LEAD TO MELTING OF LITHI UM AND REPRESENTS A SEVERE FIRE AND EXPLOSION HAZARD.

===== Acciden
tal Release Measures =====

Spill Release Procedures:ALLOW BATTERY TO COOL AND VAPOR TO DISSIPATE. AVOID CONTACT. AVOID INHALATION OF VAPORS. REMOVE SPILLED ELECTROLYTE WITH ABSORBENT MATERIAL. WEAR FULL-FACE ACID/ORGANIC CARTRIDGE RESPIRATOR.

===== 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.

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

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

Ventilation:PROVIDE IF CELL VENTS.

Protective Gloves:NATURAL OR BUTYL RUBBER GLOVES.

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

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

HCC:V1

Solubility in Water:DO NOT EXPOSE TO WATER.

Appearance and Odor:APPEARANCE 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 18

5F, PUNCTURE, OPEN
CELL, SHORT CIRCUIT, OR ATTEMPT TO RECHARGE.
Hazardous Decomposition Products:MAY INCLUDE CARBON MONOXIDE AND
CAUSTIC LITHIUM OXIDE.
Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

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

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

Transport Informa
tion:PSN: LITHIUM BATTERY, 9, UN3090, II. EXCEPTION:
LITHIUM CELLS AND BATTERIES CONTAINING NO MORE THAN 1.0 GRAM
LITHIUM ARE NOT SUBJECT TO 49 CFR 173.185

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