

HAWKER ETERNACELL INC (FORMALLY POWER CONVERSION INC) -- ETERNACELL LITHIUM SDX
-- 6135-01-447-5082

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

Product ID:ETERNACELL LITHIUM SDX
MSDS Date:08/28/1998
FSC:6135
NIIN:01-447-5082
Status Code:A
MSDS Number: CKMMV
=== Responsible Party ===
Company Name:HAWKER ETERNACELL INC (FORMALLY POWER CONVERSION INC)
Address:495 BOULEVARD
City:ELMWOOD PARK
State:NJ
ZIP:0740
7-2029
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: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:SULFUR DIOXIDE
CAS:7446-09-5
RTECS #:WS4550000
OSHA PEL:5 MG/M3
A

ity:NOT PROVIDED.

Effects of Overexposure:EXPOSURE TO EYES AND SKIN MAY CAUSE IRRITATION.

INHALATION MAY RESULT IN DIFFICULTY IN BREATHING.

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 Hazard:DO NOT USE WATER TO EXTINGUISH FIRES, CELLS CAN REACT WITH WATER VIOLENTLY. CELLS CAN VENT ELECTROLYTE IF SUBJECT

ED 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 MATERIAL. 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 185 F. DO NOT SHORT CIRCUIT, INSTALL WITH INCORRECT POLARITY, OR ATTEMPT TO RE CHARGE. DO NOT INCINERATE.

Other Precautions:NOT PROVIDED.

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===== Exposure Controls/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: BA-5567A/U. EACH CELL OR A BATTERY CONTAINS 0.36 GRAMS OF LITHIUM.

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

HCC:Z6
NRC/State Lic Num:NOT R
ELEVANT.
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, OP
EN
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 Methods:FULLY DISCHARGE PRIOR TO DISPOSAL. DISPOSE OF IN
ACCOR

DANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

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===== 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)].

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===== Regulatory Information =====

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

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particular situation.