

HAWKER ETERNACELL INC (FORMALLY POWER CONVERSION INC) -- ETERNACELL --  
6135-01-225-9569

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

Product ID:ETERNACELL

MSDS Date:11/25/1995

FSC:6135

NIIN:01-225-9569

Status Code:A

MSDS Number: CKSWK

=== 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 P

hone 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

Company Name:PLAINVIEW BATTERIES INC

Address:23 NEWTOWN RD

Box:City:PLAINVIEW

State:NY

ZIP:11803

Country:US

Phone:516-249-2873

Contract Num:SP0430-00-M-KK63

CAGE:0LEJ1

===== Composition/Information on

Ingredients =====

Ingred Name:MANGANESE DIOXIDE  
CAS:1313-13-9  
RTECS #:OP0350000  
Minumum % Wt:36.  
Maxumum % Wt:42.  
OSHA PEL:C5 MG/M3  
ACGIH TLV:5 MG/M3

Ingred Name:LITHIUM METAL  
CAS:7439-93-2  
RTECS #:OJ5540000  
Minumum % Wt:2.  
Maxumum % Wt:4.

Ingred Name:PROPYLENE CARBONATE  
CAS:108-32-7  
RTECS #:FF9650000  
Minumum % Wt:4.  
Maxumum % Wt:6.

Ingred Name:1,2-DIMETHOXYETHANE  
CAS:110-71-4  
RTECS #:K11451000  
Minumum % Wt:6.  
Maxumum % Wt:8.

Ingred Name:1,3-DIOXOLAN  
CAS:646-06-0  
RTECS #:JH6760000

Minumum % Wt:3.  
Maxumum % Wt:5.

Ingred Name:LITHIUM SALTS  
Minumum % Wt:2.  
Maxumum % Wt:3.

Ingred Name:STEEL CASING & NON-HAZARDOUS INGREDIENTS  
Minumum % Wt:34.  
Maxumum % Wt:47.

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

LD50 LC50 Mixture:NO DATA PROVIDED BY RESPONSIBLE PARTY.  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:RISK OCCURS IF CELL VENTS OR IS  
OPENED. ELECT

ROLYTE IS MILD IRRITANT. INTACT LITHIUM IS REACTIVE.

AVOID CONTACT. CHRONIC: MAY CAUSE DERMATITUS. SOME COMPONENTS HAVE BEEN SHOWN TO BE TERATOGENIC TO ANIMALS. AVOID CONTACT.

Explanation of Carcinogenicity:NO DATA PROVIDED BY RESPONSIBLE PARTY.

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

INHALATION MAY RESULT IN DIFFICULTY BREATHING.

Medical Cond Aggravated by Exposure:UNKNOWN.

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

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rst Aid:EYES: 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 =====

Extinguishing Media:DRY SAND, LITH-X, METAL-X.

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

Unusual Fire/Explosion Hazard:CELL

S CAN VENT ELECTROLYTE IF SUBJECTED

TO TEMPERATURES OF160F OR GREATER. HEATING ABOVE 354F WILL LEAD TO MELTING OF LITHIUM AND REPRESENTS A SEVERE FIRE AND EXPLOSION HAZARD. ELECTROLYTE IS FLAMMABLE.

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

Spill Release Procedures:ALLOW BATTERY TO COOL AND VAPOR TO DISSIPATE. AVOID CONTACT. AVOID INHALATION OF VAPORS. REMOVE SPILLED ELECTROLYTE WITH ABSORBANT MATERIAL. WEAR FULL FACE ORGANIC CARTRIDGE RESP

IRATOR.

Neutralizing Agent:NO DATA PROVIDED BY RESPONSIBLE PARTY.

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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 160F. DO NOT SHOUR CIRCUIT, INSTALL WITH INCORRECT POLARITY, OR ATTEMPT TO RE CHANGE. DO NOT INCENERATE.

Other Precautions:NO DATA PROVIDED BY RESPONSIBLE PARTY.

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===== Exposure Controls

/Personal Protection =====

Respiratory Protection:USE FULL FACE ORGANIC VAPOR RESPIRATOR IF CELL VENTS.

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

NO DATA PROVIDED BY RESPONSIBLE PARTY.

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

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HCC:Z6

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 160F, PUNCTURE, OPEN CELL, SHORT CIRCUIT, OR ATTEMPT TO RECHARGE.

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

Condi

tions to Avoid Polymerization:WILL NOT OCCUR.

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

Toxicological Information:NO DATA PROVIDED BY RESPONSIBLE PARTY.

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

Ecological:NO DATA PROVIDED BY RESPONSIBLE PARTY.

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

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

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

Transport Information:APPLICABLE REGULATIONS: 49 CFR 172.101, 173.185.  
PROPER SHIPPING NAME: LITHIUM BATTERY, SOLID CATHODE. CLASS: 9. UN  
ID NO.: UN3090. PACKING GROUP: II. LABEL: CLASS 9. AIRCRAFT  
LIMITATION: FORBIDDEN. RAILCAR LIMITATION: FORBIDDEN. EXCEPTIONS:  
LITHIUM CELLS AND BATTERIES CONTAINING NO MORE THAN 1.0 G LITHIUM  
ARE NOT SUBJECT TO 49 CFR 173.1855 (REFER 173.185 (I). POWER  
CONVERSION PR  
ODUCTS WHICH DO NOT EXCEED THIS LIMIT ARE: BA-5372U;  
MO4/U, MO6/1.

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

SARA Title III Information:NO DATA PROVIDED BY RESPONSIBLE PARTY.  
Federal Regulatory Information:NO DATA PROVIDED BY RESPONSIBLE PARTY.  
State Regulatory Information:NO DATA PROVIDED BY RESPONSIBLE PARTY.

===== Other Information =====

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Disclaime  
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