

POWER CONVERSION INC -- ETERNACELL -- 6135-01-214-6441

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

Product ID:ETERNACELL

MSDS Date:01/01/1987

FSC:6135

NIIN:01-214-6441

MSDS Number: BRJLK

=== 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

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:LITHIUM METAL

CAS:7439-93-2

RTECS #:OJ5540000

Other REC Limits:NONE RECOMMENDED

Ingred Name:SULFUR DIOXIDE (SARA III)

CAS:7446-09-5

RTECS #:WS4550000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5 PPM/5 STEL

ACGIH TLV:2 PPM/5 STEL; 92

Ingrid Name:ACETONITRILE (SARA III)
 CAS:75-05-8
 RTECS #:AL7700000
 Other REC Limits:NONE RECOMMENDED
 OSHA PEL:40PPM/60 STEL
 ACGIH TLV:40PPM/60STEL; 9293
 EPA Rpt Qty:5000 LBS
 DOT Rpt Qty:5000 LBS

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

LD50 LC50 Mixture:TLV FOR SULFUR DIOXIDE IS 2 PPM.
 Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO
 Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
 Health Hazards Acute and Chronic:RISK OF EXPOSURE OCCURS ONLY IF CELL

IS MECHANICALLY, PHYSICALLY OR ELECTRICALLY ABUSED. ACUTE - IF CELL
 IS LEAKING, SEVERE EYES AND RESPIRATORY TRACT IRRITATION AND
 PULMONARY EDEMA ARE POSSIBLE. EXTENDED EXPOSURE TO HIGH
 CONCENTRATIONS IN UNCONFINED SPACE CAN LEAD TO ASPHYXIATION. CHRONIC-
 NOT KNOWN.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:RISK OF EXPOSURE OCCURS ONLY IF CELL IS
 MECHANICALLY, PHYSICALLY OR ELECTRICALLY ABUSED. IF CELL IS
 LEAKING, SEVERE EYES AND RESPIRATORY TRACT IRRITATION
 AND PULMONARY

EDEMA ARE POSSIBLE. EXTENDED EXPOSURE TO HIGH CONCENTRATIONS IN
 CONFINED SPACE CAN LEAD TO ASPHYXIATION.

Medical Cond Aggravated by Exposure:NONE KNOWN

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

First Aid:EMPLOYEE BREATHING VAPORS FROM VENTING CELL SHOULD BE REMOVED
 TO FRESH AIR. ANY SKIN, EYE OR MUCOUS MEMBRANE CONTACT WITH
 ELECTROLYTE SHOULD BE FOLLOWED BY FLUSHING WITH LARGE AMOUNT OF
 WATER. IN CASE OF EYE CONTACT, CONSULT PHYSICIAN. INGESTION IS
 UNLIKELY.

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

Flash Point:NONE

Extinguishing Media:SAND, FOAM/DRY CHEMICAL. WATER SPRAY MAY BE USED TO
 KEEP FIRE EXPOSED CONTAINERS COOL AND FLUSH SPILLS AWAY.

Fire Fighting Procedures:WEAR PROTECTIVE CLOTHING AND NIOSH-APPROVED
 SELF-CONTAINED BREATHING APPARATUS OPERATED IN THE POSITIVE
 PRESSURE MODE.

Unusual Fire/Explosion Hazard:HEATING CELLS ABOVE 160F OR SHORT
 CIRCUITING CELL CAN LEAD

TO VENTING AND RELEASE OF SULFUR DIOXIDE
AND ACETONITRILE. ABOVE 354F, SEVERE EXPLOSION HAZARD.

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

Spill Release Procedures:IF CELL VENTS OR IS PUNCTURED, VENTILATE AREA WELL. WEAR EYE AND SKIN PROTECTION. RESPIRATORY PROTECTION MAY BE NECESSARY IN CONFINED SPACES. ABSORB LIQUID WITH SUITABLE MATERIAL SUCH AS SAND OR CLAY. TRANSFER TO CONTAINER FOR LATER DISPOSAL.

===== Handling and Storage ====
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Handling and Storage Precautions:STORE IN ORIGINAL CONTAINERS. AVOID TEMPERATURES ABOVE 160F. NEVER STORE IN LOOSE BINS. NEVER CUT INTO CELL. DO NOT USE IN AIRTIGHT CONTAINERS.

Other Precautions:DO NOT INCINERATE. DO NOT TOUCH BROKEN OR LEAKING BATTERIES. AVOID MECHANICAL OR ELECTRICAL ABUSE. DO NOT ATTEMPT TO RECHARGE. AVOID SHORT CIRCUITS. DO NOT CARRY BATTERIES LOOSE IN POCKET OR BAG. KEEP BATTERIES AWAY FROM SMALL CHILDREN.

===== Exposure C
ontrols/Personal Protection =====

Respiratory Protection:USE NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS WHEN CELLS ARE INVOLVED IN A FIRE OR LEAKING IN CONFINED SPACES.

Ventilation:ADEQUATE

Protective Gloves:NEOPRENE, RUBBER IF HANDLING LEAKERS

Eye Protection:SAFETY GLASSES WHEN HANDLING LEAKERS

Other Protective Equipment:EYE WASH STATION, QUICK DRENCH SHOWER

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

Supplemental Safe
ty and Health

DO NOT EXPOSE CELLS TO CHARGING CURRENTS.

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

HCC:N1

Appearance and Odor:BATTERY

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

Stability Indicator/Materials to Avoid:YES

DO NOT EXPOSE VENTED CELLS TO WATER.

Stability Condition to Avoid:HEATING ABOVE 160F, CHARGING, SHORT CIRCUITS

Hazardous Decomposition Products:ACETONITRILE MAY DECOMPOSE ABOVE 245 DEGREE F, RELEASING HIGHLY TOXIC CYA

NIDES.

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

Waste Disposal Methods:DISCHARGED CELLS MAY CONTAIN SIGNIFICANT AMOUNT OF ENERGY AND SHOULD BE HANDLED WITH CARE. THEY SHOULD BE ELECTRICALLY ISOLATED AND PACKED FOR DISPOSAL. DO NOT COMPACT. DISPOSE OF IN SANITARY LANDFILL IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL LAWS.

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