

POWER CONVERSION INC -- ETERNACELL BA-5600 -- 6135-01-168-2944

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

Product ID:ETERNACELL BA-5600

MSDS Date:06/09/1992

FSC:6135

NIIN:01-168-2944

MSDS Number: BSGGQ

=== Responsible Party ===

Company Name:POWER CONVERSION INC

Address:495 BOULEVARD

City:ELMWOOD PARK

State:NJ

ZIP:07407

Country:US

Info Phone Num:201-796-4800

Emergency Phone Num:201-796-4800

CAGE:5G978

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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

OSHA PEL:NOT ESTABLISHED.

ACGIH TLV:NOT ESTABLISHED.

Ingred Name:SULFUR DIOXIDE (SARA III)

CAS:7446-09-5

RTECS #:WS4550000

Other REC Limits:

NONE RECOMMENDED  
OSHA PEL:2 PPM/5 STEL  
ACGIH TLV:2 PPM/5 STEL; 9293

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 H

azards Acute and Chronic:RISK OF EXPOSURE OCCURS ONLY IF CELL  
IS MECHANICALLY, PHYSICALLY/ELECTRICALLY ABUSED. ACUTE- SEVERE EYES  
& RESPIRATORY TRACT IRRITATION, PULMONARY EDEMA. EXTENDED EXPOSURE  
TO HIGH CONCENTRATIONS IN CO NFIED SPACE CAN LEAD TO ASPHYXIATION.  
CHRONIC- NOT KNOWN. TARGET ORGANS:EYES, RESPIRATORY TRACT.

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

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 Fight

ing Measures =====

Flash Point:NOT RELEVANT

Extinguishing Media:SAND, FOAM/DRY CHEMICAL, METAL-X

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 FIRE & 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.

Neutralizing Agent:NOT RELEVANT

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

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 Controls/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 Safety and Health

DO NOT EXPOSE CELLS TO CHARGING CURRENTS.

===== Physical/Chemical Properties

ies =====

HCC:Z6

Spec Gravity:NOT RELEVANT

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water:NOT RELEVANT

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  
CYANIDES.

===== 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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