

POWER CONVERSION INC -- ETERNACELL,LITHIUM/SULFUR DIOXIDE BATTERY,B
6135-01-088-2708

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

Product ID:ETERNACELL,LITHIUM/SULFUR DIOXIDE BATTERY,B

MSDS Date:06/09/1992

FSC:6135

NIIN:01-088-2708

MSDS Number: BPVGR

=== Responsible Party ===

Company Name:POWER CONVERSION INC

Address:495 BOULEVARD

City:ELMWOOD PARK

State:NJ

ZIP:07407-2029

Country:US

Info Phone Num:201-7

96-4800

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 Limi

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

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

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

LD50 LC50 Mixture:NOT KNOWN
Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:SEE SIGNS AND SYMPTOMS OF OVEREXPOSURE.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:EYES:SEVERE IRRITATION CAUSED BY DECOMPOSITION PRODUCTS.SKIN:NOT KNOWN.INHALATION:SEVERE IRRITATION OF RESPIRATORY TRACT BY DECOMPOSITION PRODUCTS.PULMONARY EDEMA POSSIBLE. EXTENDED EXPOSURE TO HIGH CONCENTRATIONS IN CONFINED SPACE CAN LEAD TO ASPHYXIATION.INGESTION:NOT KNOWN.
Medical Cond Aggravated by Exposure:NOT KNOWN

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

First Aid:EYES:ANY CONTACT WITH ELECTROLYTE SHOULD BE FOLLOWED BY FLUSHING WITH LARGE QUANTITIES OF WATER FOR AT LEAST 15 MIN. CONSULT PHYSICIAN. SKIN:ANY CONTACT WITH ELECTROLYTE SHOULD BE FOLLOWED BY FLUSHING WITH WATER. INHALATION:REMOVE TO FRESH AIR. INGESTION:NOT KNOWN.

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

Flash Point:NOT KNOWN
Lower Limits:NOT KNOWN
Upper Limits:NOT KNOWN
Extinguishing Media:USE SAND, DRY CHEMICAL, F

OAM,METAL-X.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS (SCBA) AND FULL TURNOUT GEAR .REMOVE BATTERIES AND POTENTIAL COMBUSTIBLE MATERIAL FROM AREA OF BURNING BATTERY.

Unusual Fire/Explosion Hazard:HEATING >160F OR SHORT CIRCUITING LEADS TO VENTING & RELEASE OF SULFUR DIOXIDE & ACETONITRILE.HEATING >354F MELTS LITHIUM & IS SEVERE FIRE & EXPLOSION HAZARD.

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

Spill Release Procedures:IF CELL VENTS OR IS PUNCTURED,VENTILATE AREA WELL.WASH AWAY ANY LIQUID RESIDUE WITH WATER.
Neutralizing Agent:NOT KNOWN

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

Handling and Storage Precautions:STORE IN ORIGINAL CONTAINERS.NEVER STORE IN LOOSE BINS.DO NOT PUNCTURE,SHORT CIRCUIT OR EXPOSE TO TEMPERATURES ABOVE 160F.
Other Precautions:DO NOT USE CELLS IN HERMETICALLY SEALED CONTAINERS.DO NOT EXPOSE CELLS TO CHARGING CURRENTS.NEVER CUT INTO CELL.

===== E
xposure Controls/Personal Protection =====

Respiratory Protection:RESPIRATOR MAY BE NECESSARY IN CONFINED SPACES.
Ventilation:CONTACT LOCAL SAFETY/INDUSTRIAL HYGIENE OFFICE TO DETERMINE IF LOCAL EXHAUST VENTILATION IS NEEDED .
Protective Gloves:HAND PROTECTION.
Eye Protection:EYE PROTECTION WHEN HANDLING BATTERIES.
Other Protective Equipment:DISCHARGED CELLS MAY CONTAIN SIGNIFICANT AMOUNTS OF ENERGY AND SHOULD BE HANDLED WITH CARE.
Work Hygienic Practices:NOT KNOWN
Supplemental
Safety and Health
WASTE DISP:DISPOSE OF IN SANITARY LANDFILLS. DO NOT COMPACT.

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

HCC:Z6
Boiling Pt:B.P. Text:NOT KNOWN
Melt/Freeze Pt:M.P/F.P Text:NOT KNOWN
Decomp Temp:Decomp Text:NOT KNOWN
Vapor Pres:NOT KNOWN
Vapor Density:NOT KNOWN
Spec Gravity:NOT KNOWN
Evaporation Rate & Reference:NOT KNOWN
Solubility in Water:NOT KNOWN
Appearance and Odor:NOT KNOWN

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

Stability Indicator/Materials to Avoid: YES

DO NOT EXPOSE VENTED CELLS TO WATER.

Stability Condition to Avoid: TEMPERATURE ABOVE 160F.

Hazardous Decomposition Products: ACETONITRILE MAY DECOMPOSE ABOVE 245F
RELEASING HIGHLY TOXIC CYANIDES.

Conditions to Avoid Polymerization: WILL NOT OCCUR.

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

Waste Disposal Methods: DISPOSAL MUST BE IN ACCORDANCE WITH
FEDERAL, STATE, AND LOCAL REGULATIONS. COORDINATE WITH SUPPORTING
INSTALLATION AND/OR MACOM ENVIRONMENTAL OFFICE PRIOR TO DISPOSAL
CELLS SHOULD BE HANDLED WITH CARE, ELECTRICALLY ISOLATED & PACKED
FOR DISPOSAL.

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