

POWER CONVERSION INC -- LITHIUM BATTERY,BA-5588/U -- 6135-01-088-2708

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Product Identification  
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Product ID:LITHIUM BATTERY,BA-5588/U

MSDS Date:06/22/1992

FSC:6135

NIIN:01-088-2708

MSDS Number: BQDPD

=== 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

Preparer's Name:CARLOS VALENTIN

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

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Composition/Information on Ingredients  
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Ingred Name:LITHIUM

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 RE

COMMENDED  
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/67 PPM STEL  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

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

LD50 LC50 Mixture:NOT KNOWN  
Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chroni  
c:SEE SIGNS AND SYMPTOMS OF  
OVEREXPOSURE.  
Explanation of Carcinogenicity:NONE  
Effects of Overexposure:CONTACT WITH ELECTROLYTE CAN CAUSE SEVERE  
IRRITATION TO EYES,SKIN,MUCOUS MEMBRANES.BREATHING VAPOR FROM  
VENTING CELL MAY CAUSE PULMONARY EDEMA.EXTENDED EXPOSURE TO HIGH  
CONCENTRATIONS IN CONFINED SPAC E CAN LEAD TO ASPHYXIATION.  
Medical Cond Aggravated by Exposure:NOT KNOWN

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

First Aid:ANY SKIN,EYE OR MUCOUS MEM  
BRANE CONTACT WITH ELECTROLYTE  
SHOULD BE FOLLOWED BY FLUSHING WITH LARGE QUANTITIES OF WATER. IN  
CAES OF EYE CONTACT,FLUSH WITH WATER FOR AT LEAST 15  
MINUTES,CONSULT A PHYSIC IAN. INHALATION:EMPLOYEE BREATHING VAPORS  
FROM VENTING CELL SHOULD BE REMOVED TO FRESH AIR.

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

Flash Point:NOT KNOWN  
Lower Limits:NOT KNOWN  
Upper Limits:NOT KNOWN  
Extinguishing Media:USE SAND,DRY CHEMICAL,FOAM,MET-L-X.  
Fire Fighting Procedur

es:WEAR SELF-CONTAINED BREATHING APPARATUS (SCBA)  
& FULL TURNOUT GEAR .REMOVE OTHER BATTERIES & POTENTIAL COMBUST  
MATLS FROM AREA OF BURNING BATTERY(SEE SUP)  
Unusual Fire/Explosion Hazard:HEATING CELL >160F OR SHORT CIRCUITING  
CELL CAN LEAD TO VENTING & RELEASE OF SO2 & ACETONITRILE.>354F LEAD  
TO MELTING OF LITHIUM & REPRESENTS SEVERE HAZARD.

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

Spill Release Procedures:IF CELL VENTS OR IS PUNCTURED,VENTILATE AREA

WELL.WASH AWAY ANY LIQUID RESIDUE WITH WATER.WEAR EYE AND HAND  
PROTECTION. RESPIRATOR MAY BE NECESSARY IN CONFINED SPACES.

Neutralizing Agent:NOT KNOWN

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

Handling and Storage Precautions:DO NOT PUNCTURE,INCINERATE,SHORT  
CIRCUIT OR EXPOSE TO TEMP >160F.STORE IN ORIGINAL CONTAINERS.NEVER  
STORE IN LOOSE BINS.

Other Precautions:DO NOT USE CELLS IN HERMETICALLY SEALED CONTAINERS.DO  
NOT EXPOSE CELLS TO CHARGING CU  
RRENTS.NEVER CUT INTO CELL.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:CONTACT LOCAL SAFETY/INDUSTRIAL HYGIENE OFFICE  
TO DETERMINE IF RESPIRATORY PROTECTION IS REQUIRED .

Ventilation:CONTACT LOCAL SAFETY/INDUSTRIAL HYGIENE OFFICE TO DETERMINE  
IF LOCAL EXHAUST VENTILATION IS NEEDED .

Protective Gloves:NOT KNOWN

Eye Protection:WEAR EYE PROT WHEN HANDLING BATTERIES.

Other Protective Equipment:NOT KNOWN

Work Hygienic Practices:NOT KNOWN

Suppl

emental Safety and Health

OUTSIDE PACKAGE DIMENSIONS (INCHES):3 5/8 X 1 9/32 X 3 7/8.WEIGHT  
(LB):0.65.FIRE FIGHT PROC:AND CONTAIN AND EXTINGUISH WITH  
EXTINGUISHING AGENTS.WASTE DISP METH:OF IN SANITARY LANDFILLS.

===== 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 & Referen

ce: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:AVOID EXPOSURE TO TEMPERATURES ABOVE 160F.

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

Conditions to Avoid Polymerization:WILL NOT OCCUR.

===== Disposal Consideration

s =====

Waste Disposal Methods:DISP MUST BE IAW W/ FEDERAL,STATE,AND LOCAL  
REGS. COORDINATE WITH SUPPORT INSTALL &/OR MACOM ENVIRON OFC PRIOR  
TO DISP .DISCHARGED CELLS MAY CONTAIN SIGNIFICANT AMTS OF  
ENERGY.HANDLE W/ CARE. E LEC ISOLATED & PACKED.DO NOT  
COMPACT.DISPOSE(SEE S

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