

POWER CONVERSION INC -- ETERNACELL AA 0715-001 -- 6135-01-280-2883

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Product Identification
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Product ID:ETERNACELL AA 0715-001
MSDS Date:01/01/1987
FSC:6135
NIIN:01-280-2883
MSDS Number: BQNJT
=== 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

C
AGE:5G978
=== Contractor Identification ===
Company Name:ARTEX AIRCRAFT SUPPLIES INC
Address:10714 S TOWNSHIP RD
Box:1270
City:CANBY
State:OR
ZIP:97013
Country:US
CAGE:60253
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 METAL
CAS:7439-93-2
RTECS #:OJ5540000
Other REC Limits:NONE RECOMMENDE

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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: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: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.

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 I

N CONFINED SPACES. ABSORB LIQUID WITH SUITABLE MATERIAL SUCH AS SAND OR CLAY. TRANSFER TO CONTAINER FOR LATER DISPOSAL.

===== 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

Othe

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.

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Physical/Chemical Properties
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HCC:N1

Appearance and Odor:BATTERY

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Stability and Reactivity Data
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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.

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Disposal Considerations
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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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