

POWER CONVERSION INC -- LITHIUM/SULFUR DIOXIDE BATTERY -- 6135-01-036-3495

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Product Identification
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Product ID:LITHIUM/SULFUR DIOXIDE BATTERY

MSDS Date:06/09/1992

FSC:6135

NIIN:01-036-3495

MSDS Number: BWZMC

=== 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

Company Name:POWER CONVERSIONS INC (CANCELED USE 5G978)

Address:495 BOULEVARD

Box:City:ELMWOOD PARK

State:NJ

ZIP:07407-2029

Country:US

Phone:201-796-4800

CAGE:55002

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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 RECOMMENDED

Ingred Name:SULFUR DIOXIDE (SARA 302)
CAS:7446-09-5
RTECS #:WS4550000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:5 PPM
ACGIH TLV:2 PPM/5 STEL; 9495

Ingred Name:ACETONITRILE (SARA 313) (CERCLA)
CAS:75-05-8
RTECS #:AL7700000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:40 PPM
ACGIH TLV:40 PPM/60 STEL; 9495
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

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

Routes of Entry: Inhalation:Y
ES Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:AUTE: EXPOSURE TO MATERIAL VENTING
FROM HEATED OR SHORT CIRCUITING BATTERY MAY CAUSE SEVERE IRRITATION
OF EYES AND RESPIRATORY TRACT; PULMONARY EDEMA POSSIBLE. EXTENDED
EXPOSURE TO HIGH CONCENTRATIONS IN CONFINED SPACE CAN LEAD TO
ASPHYXIATION. CHRONIC: NONE SPECIFIED BY MANUFACTURER.
Explanation of Carcinogenicity:NO INGREDIENT OF A CONCENTRATION OF 0.1%
OR GREATER
R IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.
Effects of Overexposure:EYES-BURNING SENSATION, REDNESS, TEARING, PAIN
OR DISCOMFORT. INHALED-SHORTNESS OF BREATH, COUGHING, SNEEZING,
WHEEZING.
Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES-FLUSH WITH WATER FOR 15 MINUTES. GET IMMEDIATE MEDICAL
ATTENTION. SKIN-REMOVE CONTAMINATED CLOTHES. FLUSH WITH LOTS OF
WATER FOR 15

MINUTES. GET MEDICAL ATTENTION. INHALED-REMOVE TO FRESH AIR. INGESTED-NONE GIVEN BY MFR. DLA-HMIS-GET IMMEDIATE MEDICAL ATTENTION.

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

Flash Point:NONE

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

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE GEAR. REMOVE OTHER BATTERIES AND POTENTIAL COMBUSTIBLE MATERIALS FROM FIRE AREA.

Unusual Fire/Explosion Hazard:HEATING ABOVE

160F OR SHORT CIRCUITING

CELL CAN LEAD TO VENTING & RELEASE OF SULFUR DIOXIDE & ACETONITRILE;ABOVE 354F WILL MELT LITHIUM-SEVERE FIRE/EXPLOSION HZ

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

Spill Release Procedures:IF CELL VENTS OR RUPTURES, VENTILATE AREA WELL. WEAR EYE & HAND PROTECTION; NIOSH APPROVED RESPIRATOR OR SCBA. WASH ANY LIQUID RESIDUE AWAY WITH WATER.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== Handling and S

torage =====

Handling and Storage Precautions:STORE IN ORIGINAL CONTAINERS. NEVER STORE IN LOOSE BINS. DO NOT PUNCTURE, INCINERATE, 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.

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

Respiratory Protection:NONE NORMALLY REQUIRED. IF ENGINEERING CONTROLS FAIL OR

NON-ROUTINE USE OR AN EMERGENCY OCCURS; WEAR AN MSHA/NIOSH APPROVED RESPIRATOR OR AN AIR-SUPPLIED RESPIRATOR OR SCBA, AS REQUIRED. USE IN ACCORDANCE WITH 29 CFR 1910.134.

Ventilation:IN CASE OF VENTING, PROVIDE AS MUCH VENTILATION AS POSSIBLE.

Protective Gloves:NONE SPECIFIED BY MANUFACTURER.

Eye Protection:SAFETY GLASSES W/SIDE SHIELDS

Other Protective Equipment:NONE NORMALLY REQUIRED.

Work Hygienic Practices:WASH HANDS AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. L

AUNDER CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

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

HCC:Z6

Appearance and Odor:RECTANGULAR BATTERY; 2.45 X 4.4 X 5.0 INCHES; 24 VOLTS.

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

Stability Indicator/Materials to Avoid:YES

DO NOT EXPOSE CELLS TO WATER.

Stability Condition to Avoid:AVOID EXPOSURE TO TEMPERATURES ABOVE 160F.

Hazardous Decomposition Products:ACETONITRILE MAY DECO

MPOSE ABOVE 245F,

RELEASING HIGHLY TOXIC CYANIDES.

Conditions to Avoid Polymerization:WILL NOT OCCUR.

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

Waste Disposal Methods:THEY SHOULD BE ELECTRICALLY ISOLATED AND PACKED FOR DISPOSAL. DO NOT COMPACT. DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS.

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