

POWER CONVERSION INC -- BA-5590/U LITHIUM BATTERY -- 6135-01-036-3495

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

Product ID:BA-5590/U LITHIUM BATTERY

MSDS Date:01/01/1987

FSC:6135

NIIN:01-036-3495

MSDS Number: BGGRL

=== 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:HA

WKER 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:SULFUR DIOXIDE (SARA III)

CAS:7446-09-5

RTECS #:WS4550000

Fraction by Wt: 30%

OSHA PEL:5 PPM/5 STEL

ACGIH TLV:2 PPM/5 STEL; 9293

Ingred Name:ACETONITRILE (SARA III)

CAS:75-05-8

RTECS #:AL7700000

Fraction by Wt: 10%

OSHA PEL:40PPM/60 STEL

ACGIH TLV:40PPM/60STEL; 91

92
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:LITHIUM
CAS:7439-93-2
RTECS #:OJ5540000
Fraction by Wt: 4%
ACGIH TLV:S NONE

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

Effects of Overexposure:SEVERE EYE AND RESPIRATORY TRACT IRRITATION,
PULMONARY EDEMA RESULTS FROM ACUTE EXPOSURE

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

First Aid:EYE CONTACT: FLUSH WITH COPIOUS AMOUNTS OF WATER, SEEK
MEDICAL ATTENTION, SKIN CONTACT: FLUSH
WITH WATER AND REMOVE
CLOTHING, INHALATION: MOVE TO FRESH AIR, BEGIN CPR IF BREATHING HAS
STOPPED,SEEK MEDICAL ATTENTION

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

Extinguishing Media:SAND, METAL-X, DRY CHEMICAL, DO NOT USE CO2
EXTINGUISHER
Fire Fighting Procedures:USE CLASS D EXTINTGUISHER FOR LITHIUM FIRE
Unusual Fire/Explosion Hazard:CELLS VENT SO2 AND ACETONITRILE IF HEATED
ABOVE 160 F, TEMPERATURES ABOVE 345 F MELT LITHIUM

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

Spill Release Procedures:VENTILATE AREA IF CELL VENTS OR IS RUPTURED,
CLEAR ALL PERSONNEL FROM THE AREA FLUSH AWAY LIQUID ELECTROLYTE
WITH WATER, USE APPROPRIATE EYE/SKIN PROTECTION. RESPIRATORY
PROTECTION MAY BE NECESSARY IN AREAS WITH INADEQUATE VENTILATION.

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

Handling and Storage Precautions:STORE BATTERIES IN COOL, DRY, AREA
WITH ADEQUATE VENTILATION. SEGREGATE

FROM FLAMMABLE/COMBUSTIBLE
LIQUIDS. PROVIDE SPRINKLER SYSTEMS
Other Precautions:DO NOT HEAT, CRUSH, OR DISASSEMBLE THESE BATTERIES.
DO NOT SHORT-CIRCUIT OR BYPASS THE INTERNAL FUSES.

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

Respiratory Protection:USE FULL-FACE PRESSURE DEMAND SCBA FOR CONFINED
SPACE OR FIRES

Ventilation:ADEQUATE TO MAINTAIN SO2 LEVELS BELOW TLV IN STORAGE AREA

Protective Gloves:RUBBER/NEOPRENE

Eye Protection:CHEMICAL GOGGLES

Supplemental

Safety and Health

MSDS DATED OCTOBER 31,1985

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

HCC:Z6

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

Stability Indicator/Materials to Avoid:YES

LITHIUM REACTS WITH WATER TO PRODUCE HYDROGEN GAS

Stability Condition to Avoid:TEMPERATURES ABOVE 160 F,SHORT-CIRCUTING

Hazardous Decomposition Products:SULFUR DIOXIDE, HYDROGEN CYANIDE,
LITHIUM OXIDES

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

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Waste Disposal Methods:LAND DISPOSAL IS PROHIBITED UNLESS THE BATTERY
IS RENDERED NON-REACTIVE. RETURN ALL DEPLETED BATTERIES TO THE
LOCAL DEFENSE REUTILIZATION AND MARKETING OFFICE.

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