

POWER CONVERSION INC -- LITHIUM/THIONYL CHLORIDE BATTERY -- 6135-01-275-9767

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Product Identification
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Product ID:LITHIUM/THIONYL CHLORIDE BATTERY

MSDS Date:08/24/1992

FSC:6135

NIIN:01-275-9767

MSDS Number: CHHSX

=== 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 Phon

e Num:201-796-1606

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:THIONYL CHLORIDE

CAS:7719-09-7

RTECS #:XM5150000

Fraction by Wt: 36%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:C 1 PPM

ACGIH TLV:C 1 PPM; 9293

Ingred Name:LITHIUM TETRACHLORO ALUMINATE

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raction by Wt: 4%
Other REC Limits:NONE RECOMMENDED

Ingred Name:LITHIUM METAL
CAS:7439-93-2
RTECS #:OJ5540000
Fraction by Wt: 3%
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:ORAL RAT LD50 NONE STATED
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:SEVERE IRRITATION OF EYES, NOSE AND
THROAT CAN OCCUR DUE TO THIONYL CHLOR
IDE EXPOSURE. IN PRESENCE OF
MOISTURE, PULMONARY EDEMA AND LARYNGEAL SPASMS CAN OCCUR. EXTENDED
EXPOSURE IN A CONFINED SPACE CA N LEAD TO ASPHYXIATION.
Explanation of Carcinogenicity:THERE ARE NO INGREDIENTS ABOVE 0.1%
WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.
Effects of Overexposure:EXPOSURE TO SKIN, EYES OR MUCOUS MEMBRANES MAY
CAUSE BURNS. INHALATION MAY CAUSE DIFFICULTY IN BREATHING.
Medical Cond Aggravated by Exposure:NONE STATED BY THE MANUFACTURER.

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

First Aid:REMOVE ANYONE BREATHING VAPORS TO FRESH AIR. ANY SKIN, EYE OR
MUCOUS MEMBRANE EXPOSURE SHOULD BE FALLOWED BY FLUSHING OF LARGE
QUANTITIES OF WATER. WASH EYES FOR AT LEAST 15 MIN. CONSULT
PHYSICIAN IMM EDIATELY.

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

Extinguishing Media:LITH-X, METAL-X, SAND, DRY CHEMICAL. DO NOT USE
CARBON DIOXIDE OR HALON TYPE
Fire Fighting Procedures:USE POSI
TIVE PRESSURE, SELF-CONTAINED
BREATHING APPARATUS. REMOVE OTHER BATTERIES AND COMBUSTIBLE
MATERIALS FROM AREA OF BURNING BATTERIES AND SMOTHER FIRE.
Unusual Fire/Explosion Hazard:HEATING CELLS OR BATTERIES ABOVE 354F
WILL LEAD TO THE MELTING OF LITHIUM AND REPRESENTS A SEVERE FIRE
HAZARD.

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

Spill Release Procedures:IF CELL OR BATTERY VENTS, LEAKS OR IS
PUNCTURED, VENTILATE AREA WELL. COVER ANY LIQUID ELECTROL

YTE WITH

SODIUM BICARBONATE OR SODIUM CARBONATE TO NEUTRALIZE. SCOOP RESIDUE INTO PLASTIC BAG. FLUSH AFFECTED AREA WITH LARGE AMOUNT OF WATER.

Neutralizing Agent:SODIUM CARBONATE OR SODIUM BICARBONATE

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

Handling and Storage Precautions:DO NOT ALLOW CELLS OR BATTERIES TO SHORT CIRCUIT. STORE IN ORIGINAL CONTAINERS. DO NOT PUNCTURE, INCINERATE, EXPOSE TO FIRE OR TEMPERATURES ABOVE 185F

Other Precautions:DO NOT USE IN HERMETICALLY SEALED CONTAINERS. DO NOT CHARGE. DO NOT CUT OPEN.

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

Respiratory Protection:USE POSITIVE PRESSURE SCBA IF FIRE OR EXTENSIVE VENTING OCCURS. USE RESPIRATOR IF PROLONGED EXPOSURE TO THIONYL CHLORIDE MAY OCCUR.

Ventilation:GOOD ROOM VENTILATION IS REQUIRED.

Protective Gloves:RUBBER GLOVES TO HANDLE VENTED BATTERIES

Eye Protection:SPLASH GOGGLES

Other Protective Equipment:USE FULL PROTECTIVE CLOTHING IF FIRE OR EXTENSIVE VENTING OCCURS.

Work Hygienic Practices:FOLLOWING CONTACT WITH INTERNAL BATTERY COMPONENTS, WASH HANDS THOROUGHLY BEFORE EATING, DRINKING OR SMOKING.

Supplemental Safety and Health
NONE

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

HCC:Z6

Evaporation Rate & Reference:NOT RELEVANT

Appearance and Odor:SEALED BATTERY, SIZE AA

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

Stability Indicator/Materials to Avoid:YES
DO

NOT EXPOSE VENTED CELLS TO WATER.

Stability Condition to Avoid:AVOID EXPOSURE ABOVE 185F.

Hazardous Decomposition Products:THIONYL CHLORIDE REACTS WITH WATER TO PRODUCE SULFUR DIOXIDE AND HYDROGEN CHLORIDE.

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

Waste Disposal Methods:CONSULT YOUR LOCAL ENVIRONMENTAL OFFICER.
DISCHARGE CELLS OR BATTERIES PRIOR TO DISPOSAL AND ELECTRICALLY ISOLATE DURING PACKING. DO NOT COMPACT. DO NOT INCINERATE OR EXPOSE BATTERIES TO FIRE. DISPOSE IN ACCORDANCE WITH ALL REGULATIONS.

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