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POWER CONVERSION INC -- LITHIUM/THIONYL CHLORIDE BATTERY,098018-303

6135-01-193-8154

Product ID:LITHIUM/THIONYL CHLORIDE BATTERY,098018-303

MSDS Date: 08/24/1992

FSC:6135

NIIN:01-193-8154

MSDS Number: CFYPT

=== Responsible Party ===

Company Name: POWER CONVERSION INC

Address:495 BOULEVARD

City:ELMWOOD PARK

State:NJ

ZIP:07407-2029

Country:US

Info Phone Num:201-7

96-4800

Emergency Phone 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

Company Name: NORTHROP GRUMMAN CORP

Address:2301 W 120TH ST Box:City:HAWTHORNE

State:CA ZIP:90250 Country:US

Phone:213-600-3000

CAGE:22915

Company Name: PARADIAM MFG INC (216-464-6901)

Box:UNKNOW CAGE:66423

====== Composition/Information on I

ngredients ======= 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: 9596 Ingred Name:LITHIUM TETRACHLORO ALUMINATE Fraction 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 LD50 LC50 Mixture:LD50 (ORAL, RAT) IS UNKNOWN. Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic:TARGET ORGANS:EYES, SKIN, RESPIRATORY, GI TRACTS. ACUTE- BATTERY IS HERMETICALLY SEALED. CONTENTS OF AN OPEN BATTERY CAN CAUSE IRRITATION OF RESPIRATORY TRACT. SEVERE EYE IRRITATION & BURNS, SKIN IRRI TATION, PULMONARY EDEMA. INGESTION CAN BE HARMFUL. MAY CAUSE BURNS OF GASTROINTESTINAL TRACT. CHRONIC-UNKNOWN. **Explanation of Carc** inogenicity:NONE

Effects of Overexposure:NONE. IF BROKEN OR IN FIRE: SEVERE IRRITATION, DRY THROAT AND COUGHING, BURNS, PAIN Medical Cond Aggravated by Exposure:EMPHYSEMA, ASTHMA

First Aid:IF BROKEN/FIRE: GET MEDICAL HELP IF SYMPTOMS PERSIST.
INHALED:MOVE TO FRESH AIR. CALL PHYSICIAN. EYES:FLUSH WITH WATER
FOR 15 MINUTES. HOLD EYELIDS OPEN. SEE PHYSICIAN. SKIN:WASH WITH
SOAP & WATER. OR AL:IF BATTERY/OPEN BATT

INDUCE VOMITING OR GIVE FOOD/DRINK. SEEK IMMEDIATE MEDICAL ATTENTION. CALL NATIONAL BATTERY INGESTION HOTLINE FOR ADVICE & FOLLOWUP (202-625-3333). Flash Point:NONE Lower Limits: NOT RELEVANT **Upper Limits: NOT RELEVANT** Extinguishing Media: FOR BURNING BATTERIES USE CLASS D EXTINGUISHERS; LITH-X, POWDERED GRAPHITE, DRY CHEMICAL Fire Fighting Procedures: NO WATER, SAND, CARBON DIOXIDE, SODA-AC HALOGENATED EXTINGUISHERS. WEAR NIOSH-APPROVED SELF CONTAINED BREATHING APPARATUS & FULL PROTECTIVE CLOTHING. Unusual Fire/Explosion Hazard: HAZARDOUS DECOMPOSITION PRODUCTS MAY BE FORMED. MELTS LITHIUM AND REPRESENTS SEVERE FIRE HAZARD. ======== Accidental Release Measures ============ Spill Release Procedures: IF BROKEN, WEAR PROTECTIVE CLOTHING AND RESPIRATORY EQUIPMENT SUITABLE FOR TOXIC GASES. SWEEP, SCOOP OR PICK UP SPILLED MATERIAL. TRANSFER TO A SUITABLE CONTAINER FOR DISPOSAL. USE LARGE CONTAINER FIL LED WITH OIL AND FILTERED MASKS. VENTILATE AREA. Neutralizing Agent: NOT RELEVANT ============= Handling and Storage ========================== Handling and Storage Precautions: STORE IN COOL, DRY PLACE, AWAY FROM WATER. WASH THOROUGHLY AFTER HANDLING. STORE IN ORIGINAL CONTAINERS. DO NOT STORE ABOVE 185F. Other Precautions: DO NOT INCINERATE. DO NOT TOUCH BROKEN OR LEAKING BATTERIES. AVOID MECHANICAL OR ELECTRIC

AL ABUSE. DO NOT ATTEMPT TO

ERY IS INGESTED, DO NOT

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: NOT NECESSARY UNDER NORMAL CONDITIONS OF USE. WEAR NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WHEN LARGE NUMBERS OF CELLS ARE INVOLVED IN A FIRE.

Ventilation: ADEQUATE

Protective Gloves: RUBBER FOR LEAKERS

Eye Protection: GOGGLES FOR LEAK

Other Protective Equipment: EYE BATH, WASHING FACILITIES Work Hygienic Practices: OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH THOROUGHLY BEFORE EATING, DRINKING/SMOKING.

Supplemental Safety and Health HCC PER TECHNICAL SUPPORT.

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

HCC:F8

NRC/State Lic Num: NOT RELEVANT

Spec Gravity: NOT RELEVANT Viscosity: NOT RELEVANT

Evaporation Rate & Evaporation Relevant

Solubility in Water:NOT REL

**EVANT** 

Appearance and Odor:BATTERY - ODORLESS

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

Stability Indicator/Materials to Avoid:YES WATER WITH INTERNAL CONTNETS Stability Condition to Avoid:FIRE, HEAT ABOVE 185F, MOISTURE Hazardous Decomposition Products: RUPTURED BATTERIES WILL RELEASE SULFUR DIOXIDE, HYDROGEN CHLORIDE.

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

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND **FEDE** 

RAL REGULATIONS.

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