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HAWKER ETERNACELL, INC. -- ETERNACELL LITHIUM SDX -- 4920-01-154-8792

Product ID:ETERNACELL LITHIUM SDX

MSDS Date:08/28/1998

FSC:4920

NIIN:01-154-8792

Status Code:A

MSDS Number: CLDXX === Responsible Party ===

Company Name: HAWKER ETERNACELL, INC.

Address:495 BOULEVARD City:ELMWOOD PARK

State:NJ

ZIP:07407-2029

Country:US

Info Phone Num:201-796-4800

Emergency Ph

one Num:201-796-4800 EXT 164 Preparer's Name:K. ERRICKSON Chemtrec Ind/Phone:(800)424-9300

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

====== Composition/Information on Ingredients ========

Ingred Name: SULFUR DIOXIDE

CAS:7446-09-5

RTECS #:WS4550000 OSHA PEL:5 MG/M3 ACGIH TLV:5.2 MG/M3

ACGIH STEL:13 MG/M3;5 PPM

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d Name:LITHIUM CAS:7439-93-2 RTECS #:OJ5540000 OSHA PEL:NA **ACGIH TLV:NA**

Ingred Name:PROPYLENE

CAS:115-07-1

RTECS #:UC6740000

OSHA PEL:NE **ACGIH TLV:NE**

Ingred Name: ACETONITRILE

CAS:75-05-8

RTECS #:AL7700000 OSHA PEL:67 MG/M3 ACGIH TLV:101 MG/M3

ACGIH STEL:101 MG/M3;60 PPM

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

Ingred Name:LITHIUM CASE MIXTURE

OSHA PEL:NE ACGIH TLV:NE

Ingred Name: STEEL CASING & NON-HAZARDOUS COMPONENTS

OSHA PEL:NE ACGIH TLV:NE

Ingred Name:TEFLON

CAS:9002-84-0 RTECS #:KX4025 000

OSHA PEL:15 MG/M3

ACGIH TLV:NE

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic:RISK ONLY OCCURS IF CELL VENTS OR IS OPENED. ACUTE: ELECTROLYTE IS SEVERE IRRITANT. INTACT LITHIUM IS REACTIVE, WITH MOISTURE. AVOID CONTACT. CHRONIC: MAY CAUSE DERMATITIS. SOME COMPONENTS HAVE BEEN SHOWN TO BE TERATOGENIC TO ANIMAL

Effects of Overexposure:EXPOSURE TO SKIN OR EYES MAY CAUSE IRRITATION. INHALATION MAY RESULT IN DIFFICULTY BREATHING. Medical Cond Aggravated by Exposure:UNKNOWN. ===================================
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First Aid:EYE: FLUSH WITH WATER FOR 15 MINUTES. SEEK MEDICAL ASSISTANCE. SKIN: FLUSH WITH WATER FOR 15 MINUTES. SEEK MEDICAL ASSISTANCE. INHALATION: REMOVE TO FRESH AIR. SEEK MEDICAL ASSISTANCE.
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ASSISTANCE. SKIN: FLUSH WITH WATER FOR 15 MINUTES. SEEK MEDICAL ASSISTANCE. INHALATION: REMOVE TO FRESH AIR. SEEK MEDICAL ASSISTANCE.
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Measures ====================================
Flash Point:AVOID >185F
Extinguishing Media:LITH-X, DRY SAND, DRY POWDERED GRAPHITE.
Fire Fighting Procedures:COVER BATTERY WITH EXTINGUISHING MEDIA, ALLOW
TO COOL, REMOVE ADJACENT COMBUSTIBLE MATERIALS IF SAFE TO DO SO, SCBA REQUIRED.
Unusual Fire/Explosion Hazard:DO NOT USE WATER TO EXTINGUISH FIRES,
CELLS CAN REACT WITH WATER VIOLENTLY. CELLS CAN VENT ELECTROLYTE
IF SUBJECTED TO TEMPERATURES OF 185F OR GREATER. HEATING ABOVE 353F
WILL LEA
D TO MELTING OF LIT HIUM AND REPRESENTS A SEVERE FIRE AND
EXPLOSION HAZARD.
========== Accidental Release Measures ===========
Spill Release Procedures: ALLOW BATTERY TO COOL AND VAPOR TO DISSIPATE.
AVOID INHALATION OF VAPORS. REMOVE SPILLED ELECTROLYTE WITH
ABSORBENT MATERIAL. WEAR FULL-FACE ACID/ORGANIC CARTRIDGE
RESPIRATOR.
============= Handling and Storage ================
Handling and Storage Precautions:BATTERIES MAY EXPLODE, IGNITE, OR VENT
ELECTROLYTE IF CRUSHED, OPENED, PUNCTURED, OR EXPOSED TO
TEMPERATURES IN EXCESS OF 185F. DO NOT SHORT CIRCUIT, INSTALL WITH
INCORRECT POLARITY, OR ATTEMPT TO REC HARGE. DO NOT INCINERATE.
====== Exposure Controls/Personal Protection =======
Respiratory Protection: USE FULL-FACE ACID/ORGANIC VAPOR RESPIRATOR IF

Respiratory Protection:USE FULL-FACE ACID/ORGANIC VAPOR RESPIRATOR IF CELL VENTS. USE SCBA IF LARGE NUMVERS OF CELLS VENT SIMULTANEOUSLY. Ventilation:PROVIDE IF CELL VENTS.
Protective Gloves:NATURAL OR BUTYL RUBBER.

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Work Hygienic Practices:AVOID EXPOSURE. WASH HANDS AFTER HANDLING. Supplemental Safety and Health IDENTITY: LITHIUM/SULFUR DIOXIDE CELL & BATTERIES.
======== Physical/Chemical Properties =========
HCC:Z6 Solubility in Water:DO NOT EXPOSED TO WATE. Appearance and Odor:APPEANCE OF SMALL BATTERY, CYLINDRICAL OR BOXLIKE. ODOR: NONE.
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Stability Indicator/Materials to Avoid:YES DO NOT EXPOSE TO WATER. Stability Condition to Avoid:DO NOT HEAT ABOVE 185F, PUNCTURE, OPEN CELL, SHORT CIRCUIT, OR ATTEMPT TO RECHARGE. Hazardous Decomposition Products:MAY INCLUDE CARBON MONOXIDE AND CAUSTIC LITHIUM OXIDE.
======= Disposal Considerations ==========
Waste Disposal Methods:FULLY DISCHARGE PRIOR TO DISPOSAL. DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.
= ========= MSDS Transport Information ====================================
Transport Information:PROPER SHIPPING NAME: LITHIUM BATTERY. CLASS: 9. UN ID NO.: UN3090. PACKING GROUP: II. LABEL: CLASS 9. EXCEPTION: LITHIUM CELLS AND BATTERIES CONTAINING NO MORE THAN 1.0G LITHIUM ARE NOT SUBJECT TO 49 CFR 173.185. [173.185(B)(1)], [173.185(B)(2)].
Disclaimer (provided with this information by the compiling agencies):
This information is formulated for use by elements of the Department

Other Protective Equipment: USE ENCAPSULATING SUIT IF FIRE OCCURS.

rotection: CHEMICAL GOGGLES.

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