

ALEXANDER MFG CO. -- A401P MERCURY CELLS/BATTERIES -- 6135-00-043-4312

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Product Identification
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Product ID:A401P MERCURY CELLS/BATTERIES

MSDS Date:01/01/1990

FSC:6135

NIIN:00-043-4312

MSDS Number: BPBHR

=== Responsible Party ===

Company Name:ALEXANDER MFG CO.

Address:1511 S. GARFIELD PL

Box:1508

City:MASON CITY

State:IA

ZIP:50401-5662

Country:US

Info Phone Num:515-423-8955

Emergency Pho

ne Num:304-744-3487

CAGE:56469

=== Contractor Identification ===

Company Name:ALEXANDER TECHNOLOGIES INC

Address:1511 S. GARFIELD PL

Box:1508

City:MASON CITY

State:IA

ZIP:50401

Country:US

Phone:515-423-1161/8955

CAGE:56469

Company Name:DELTA CONCEPTS, INC

Address:100 BROADHOLLOW RD, SUITE 308-9

Box:City:FARMINGDALE

State:NY

ZIP:11735

Country:US

CAGE:0CLE1

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Composition/Information on Ingredients
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Ingred Name:POTASSIUM HYDROXIDE (SARA III) OR SODIUM HYDROXIDE (CAS

1310-73-2
CAS:1310-58-3
RTECS #:TT2100000
Fraction by Wt: 1-4%
Other REC Limits:NONE SPECIFIED
OSHA PEL:C, 2 MG/M3
ACGIH TLV:C 2 MG/M3; 9192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:MERCURIC OXIDE (SARA III)
CAS:21908-53-2
RTECS #:OW8750000
Fraction by Wt: 20-40%
Other REC Limits:NONE SPECIFIED
OSHA PEL:0.1 MG HG/M3;SKIN;C
ACGIH TLV:0.1 MG HG/M3; 9192

Ingred Name:MERCURY (SARA III)
CAS:7439-97-6
RTECS #:OV4550000
Fraction by Wt: 0.3-1.0%
Other REC Limits:NONE SPECIFIED
OSHA PEL:
S, C, 0.1 MG/M3
ACGIH TLV:S, 0.05 MG/M3; 9192
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:ZINC (SARA III)
CAS:7440-66-6
RTECS #:ZG8600000
Fraction by Wt: 7-14%
Other REC Limits:NONE SPECIFIED
OSHA PEL:10 MG ZNO/M3
ACGIH TLV:10 MG ZNO/M3; 9192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:MANGANESE DIOXIDE
CAS:1313-13-9
RTECS #:OP0350000
Fraction by Wt: 0-15%
Other REC Limits:NONE SPECIFIED
OSHA PEL:5 MG/M3 CEILING
ACGIH TLV:5 MG/M3 (AS MN DUST)

Ingred Name:CARBON BLACK (NATURAL GRAP

HITE)
CAS:1333-86-4
RTECS #:FF5800000
Fraction by Wt: 1-5%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:3.5 MG/M3
ACGIH TLV:3.5 MG/M3; 9293

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

LD50 LC50 Mixture:NOT SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:THESE CHEMICALS ARE CONTAINED IN A
SEALED CAN. RISK OF EXPOSURE OCCURS ONLY IF THE CELL IS

MECHANICALLY OR ELECTRICALLY ABUSED. THE MOST LIKELY RISK IS ACUTE
EXPOSURE WHEN A CELL LEAKS. SKIN CONTACT WITH CELL CONTENTS CAN
PRODUCE BURNS. EYE CONTACT CAN RESULT IN SEVERE, PERMANENT DAMAGE.
Explanation of Carcinogenicity:PRODUCT CONTAINS NO INGREDIENTS
CURRENTLY CLASSIFIED AS CARCINOGENIC BY NTP, IARC OR OSHA.
Effects of Overexposure:SKIN AND EYE CONTACT WITH CELL CONTENTS MAY
CAUSE CHEMICAL BURNS. AT ELEVATED TEMPERATURES, MERCURY VAPOR MAY
BE GENERATED, WHICH, IF I
NHALED, CAN PRODUCE MERCURY INTOXICATION.
Medical Cond Aggravated by Exposure:AN ACUTE EXPOSURE WILL NOT
GENERALLY AGGRAVATE ANY MEDICAL CONDITIONS.

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

First Aid:IF LEAKAGE FROM A CELL COMES INTO CONTACT WITH THE SKIN,
FLUSH IMMEDIATELY WITH WATER. FOR EYE CONTACT, FLUSH EYES
IMMEDIATELY WITH COPIOUS WATER FOR 15 MINUTES AND SEE A PHYSICIAN
AT ONCE. FOR INHALATION OF MERCURY VAPORS, REMOVE TO FRESH AIR.

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

Extinguishing Media:USE MEDIA SUITABLE FOR SURROUNDING FIRES.
Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE SELF-CONTAINED
BREATHING APPARATUS WHEN CELLS ARE INVOLVED IN A FIRE.
Unusual Fire/Explosion Hazard:CELLS MAY RELEASE TOXIC MERCURY VAPOR
WHEN THE INTEGRITY OF THE CAN IS BROKEN.

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

Spill Release Procedures:PICK UP BATTERIES FOR REUSE. FOR RUPTURED

BATTERIES: AVOID SKIN AND EYE CONTACT. DO NOT INHALE VAPORS. ABSORB SPILLED CELL CONTENTS WITH APPROPRIATE ABSORBENT. SAVE IN PLASTIC BAGS FOR DISPOSAL.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE AT ROOM TEMPERATURE.

Other Precautions:AVOID MECHANICAL AND ELECTRICAL ABUSE. DO NOT RECHARGE. AVOID SHORT CIRCUITS. INSTALL CELLS IN ACCORDANCE WITH EQUIPMENT INSTRUCTI

ONS. OBSERVE CORRECT POLARITY WHEN INSTALLING.

REPLACE ALL BATTERIES A T THE SAME TIME.

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

Respiratory Protection:SELF CONTAINED BREATHING APPARATUS WHEN CELLS ARE INVOLVED IN FIRE OR ARE RUPTURED.

Ventilation:NORMAL VENTILATION. DURING A FIRE SITUATION, PROVIDE AS MUCH VENTIALTION AS POSSIBLE.

Protective Gloves:NEOPRENE, RUBBER OR LATEX NITRILE.

Eye Protection:SAFETY GLASSES WHEN HANDLING LEAKERS.

Other Protective Eq

uipment:EMERGENCY EYE WASH STATION AND SHOWER.

Work Hygienic Practices:WASH WITH SOAP AND WATER AFTER HANDLING PRODUCT AND BEFORE EATING DRINKING OR SMOKING.

Supplemental Safety and Health

DO NOT MIX BATTERY SYSTEMS SUCH AS ALKALINE AND ZINC CARBON. DO NOT CARRY BATTERIES LOOSE IN POCKET, PURSE OR BAG. KEEP AWAY FROM CHILDREN. IF SWALLOWED, SEE PHYSICIAN AT ONCE. FOR INFO TREATMENT CALL NATIONAL CAPITOL POISON CENTER AT 202-625-3333 COLLECT.

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===== Physical/Chemica

l Properties =====

HCC:N1

Appearance and Odor:SOLID CYLINDRICAL BATTERY

Percent Volatiles by Volume:0

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

Stability Indicator/Materials to Avoid:YES

NONE SPECIFIED BY MANUFACTURER.

Stability Condition to Avoid:DO NOT HEAT, DISASSEMBLE, CRUSH, PUNCTURE OR RECHARGE

Hazardous Decomposition Products:WHEN HEATED CELLS MAY EMIT HAZARDOUS MERCURY VAPORS AND CAUSTIC POTASSIUM HYDROXIDE.

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===== Dispos

al Considerations =====

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE
LOCAL, STATE AND FEDERAL REGULATIONS. DO NOT INCINERATE.

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