

ALEXANDER MFG CO. -- H4463 NICAD BATTERY, SEALED -- 6140-01-114-0765

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Product Identification
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Product ID:H4463 NICAD BATTERY, SEALED

MSDS Date:06/01/1994

FSC:6140

NIIN:01-114-0765

MSDS Number: BMTZL

=== 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:515-423-1161

Emergency Phone N

um:515-423-8955

Preparer's Name:UNREADABLE

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:MULTIPLIER INDUSTRIES CORP.

Address:135 RADIO CIRCLE

Box:630

City:MOUNT KISCO

State:NY

ZIP:10549

Country:US

Phone:914-241-1103

Contract Num:SP0430-01-M-FH79

CAGE:57932

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Composition/Information on Ingredients
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In

gred Name:CADMIUM (SARA III) AND CADMIUM HYDROXIDE
CAS:7440-43-9
RTECS #:EU9800000
Fraction by Wt: < 15%
Other REC Limits:NONE SPECIFIED
OSHA PEL:SEE 1910.1027
ACGIH TLV:0.01 MG/M3 DUST;9394
EPA Rpt Qty:10 LBS
DOT Rpt Qty:10 LBS

Ingred Name:NICKEL (SARA III) AND NICKEL HYDROXIDE
CAS:7440-02-0
RTECS #:QR5950000
Fraction by Wt: < 30%
Other REC Limits:NONE SPECIFIED
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3; 9192

Ingred Name:POTASSIUM HYDROXIDE (SARA III)
CAS:1310-58-3
RTECS #:TT2100000
Fraction by Wt:
2-4%
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:COBALT HYDROXIDE
CAS:21041-93-0
Fraction by Wt: , 1%
Other REC Limits:NONE SPECIFIED

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES
Health Hazards Acute and Chronic:IF THE BATTERY BREAKS OPEN, THE
CONTENTS MAY CAUSE: AC

UTE-EYES: SEVERE IRRITATION & CHEMICAL BURNS.

SKIN: CHEMICAL BURNS, NICKEL CONTACT MAY CAUSE DERMATITIS. CHRONIC OVEREXPOSURE-CADMIUM: POSSIBLE LUNG/ KIDNEY DAMAGE. NICKEL: POSSIBLE LUNG DAMAGE. TARGET ORGANS: SKIN, EYES.

Explanation of Carcinogenicity:CONTAINS CADMIUM [7440-43-9] WHICH IS LISTED BY NTP AND IARC AND REGULATED BY OSHA AS A CARCINOGEN.

Effects of Overexposure:IF THE BATTERY BECOMES OPEN, THE CONTENTS MAY CAUSE SERIOUS LOCALIZED BURNS. CONTENTS INCLUDE NICKEL,

CADMIUM,

AND POTASSIUM HYDROXIDE. UNDER NORMAL USE THIS BATTERY DOES NOT RELEASE TOXIC MATERIALS.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:CONTACT A PHYSICIAN. EYES: FLUSH WITH WATER FOR 15 MINUTES.

SKIN: WASH WITH PLENTY OF WATER. MILD ACID MAY BE USED TO NEUTRALIZE. INHALATION: REMOVE TO FRESH AIR. INGESTION: CONTACT A PHYSICIAN.

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

Flash Point:NONE

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL.

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS IF LARGE QUANTITIES OF BATTERIES ON FIRE.

Unusual Fire/Explosion Hazard:CADMIUM FUMES MAY BE RELEASED DURING BURNING.

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

Spill Release Procedures:ELECTROLYTE, POTASSIUM HYDROXIDE IS CAUSTIC. DO NOT ALLOW SKIN OR EYE CONTACT. FLU

SH WITH WATER. THERE IS ONLY A

TRACE AMOUNT OF POTASSIUM HYDROXIDE AVAILABLE IN THE BATTERY.

Neutralizing Agent:MILD ACID

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

Handling and Storage Precautions:DO NOT INCINERATE OR MUTILATE; MAY BURST RELEASING TOXIC MATERIAL (CADMIUM FUMES).

Other Precautions:DO NOT SHORT CIRCUIT THE BATTERY, IT MAY CAUSE BURNS WHEN IN CONTACT WITH THE SKIN OR EYES.

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

Respiratory Protection:NONE SPECIFIED BY MANUFACTURER.

Ventilation:NONE NORMALLY REQUIRED.

Protective Gloves:NONE NORMALLY REQUIRED.

Eye Protection:NONE NORMALLY REQUIRED.

Other Protective Equipment:EYES WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:WASH HANDS THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

NOTE: ALEXANDER MFG. CO. CONSIDERS THIS BATTERY AN ARTICLE AS DEFINED

IN 29 CFR 1910-1200 SECTION (C). THIS BATTERY DOES NOT RELEASE OR OTHERWISE RESULT IN EXPOSUR

E TO A HAZARDOUS CHEMICAL UNDER THE C

ONDITIONS OF YOUR INTENDED USE.

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

HCC:Z5

Appearance and Odor:EACH CELL IS SEALED ENCLOSING A NICKEL, AND A CADMIUM ELECTRODE, DRY ELECTROLYT

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

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS

Stability Condition to Avoid:BURNING (FIRE), RUPTURING

Hazardous Decomposition Products:CADMIUM FUMES MAY BE RELEASED DURING A

FIRE.

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

Waste Disposal Methods:DISPOSE IN ACCORDANCE WITH FEDERAL,STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

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