

ALEXANDER MFG CO. -- R8607 NICAD BATTERY, SEALED, 7.5 VOLTS -- 6140-01-426-7662

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Product Identification
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Product ID:R8607 NICAD BATTERY, SEALED, 7.5 VOLTS

MSDS Date:12/01/1992

FSC:6140

NIIN:01-426-7662

MSDS Number: CCVWD

=== 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 Num:515-423-8955

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

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Composition/Information on Ingredients
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Ingred Name:NICKEL (SARA 313) (CERCLA) (INGREDIENTS #1 & #2 = 20-30%)

CAS:7440-02-0

RTECS #:QR5950000

Fraction by Wt: < 30%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG/M3

ACGIH TLV:1 M

G/M3; 9596

Ingred Name:NICKEL HYDROXIDE (SARA 313) (CERCLA) (INGREDIENTS #1 & #2 = 20-30%)

CAS:12054-48-7

RTECS #:QR7040000

Fraction by Wt: < 30%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG(NI)/M3

ACGIH TLV:0.1 MG(NI)/M3; 9596

EPA Rpt Qty:10 LBS

DOT Rpt Qty:10 LBS

Ingred Name:CADMIUM (SARA 313) (CERCLA) (INGREDIENTS #3 & #4 = 13-15%

CAS:7440-43-9

RTECS #:EU9800000

Fraction by Wt: < 15%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.2 MG/M3 DUST; Z-2

ACGIH TLV:0.01 MG/M3 DUST;9596

EPA Rpt

Qty:10 LBS

DOT Rpt Qty:10 LBS

Ingred Name:CADMIUM HYDROXIDE (INGREDIENTS #3 & #4 = 13-15%)

CAS:21041-95-2

Fraction by Wt: < 15%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.05 MG CD/M3

ACGIH TLV:0.05 MG CD/M3

Ingred Name:POTASSIUM HYDROXIDE (CERCLA)

CAS:1310-58-3

RTECS #:TT2100000

Fraction by Wt: 2-4%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:C 2 MG/M3

ACGIH TLV:C 2 MG/M3; 9596

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

==== Hazards Identification =====

LD

50 LC50 Mixture:LD50 ORAL RAT IS UNKNOWN FOR MIXTURE.

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO

Health Hazards Acute and Chronic:NO EXPOSURE EXPECTED UNDER NORMAL CONDITIONS OF USE. IF BATTERY RUPTURES, CONTACT MAY CAUSE BURNS.

Explanation of Carcinogenicity:NICKEL AND CADMIUM ARE LISTED UNDER IARC AND NTP. NO EXPOSURE EXPECTED UNDER NORMAL CONDITIONS OF USE.

Effects of Overexposure:NO EXPOSURE EXPECTED UNDER NORMAL CONDITIONS OF

USE. IF CONTACTED WHEN BATTERY RUPTURE, IT MAY CAUSE BURNS TO EYES AND SKIN.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:EYES/SKIN: FLUSH WITH PLENTY OF WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION.

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

Flash Point:NONE

Lower Limits:NOT GIVEN

Upper Limits:NOT GIVEN

Extinguishing Media:NON-FLAMMABL

E. USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual Fire/Explosion Hazard:CONTACT WITH STRONG OXIDIZERS MAY CAUSE FIRE OR EXPLOSION. CADMIUM FUMES OR VAPORS ARE TOXIC AND CAN CAUSE DEATH.

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

Spill Release Procedures:IF BATTERY RUPTURES, WEAR PROTECTIVE GLOVES.

PICK UP, AND PLACE IN APPROPRIATE DISPOSAL CONTAINER. WASH AREA WITH PLENTY OF WATER.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:PROTECT FROM PHYSICAL DAMAGE, HEAT, FLAMES AND INCOMPATIBLE MATERIALS. KEEP CONTAINERS CLOSED.

Other Precautions:DO NOT SHORT CIRCUIT BATTERIES. THEY MAY CAUSE BURNS WHEN IN CONTACT WITH SKIN OR EYES.

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Exposure Controls/Personal Protection =====

Respiratory Protection:NONE REQUIRED UNDER NORMAL CONDITIONS
Ventilation:NONE REQUIRED UNDER NORMAL CONDITIONS
Protective Gloves:RUBBER. WHEN HANDLING RUPTURED BATTERIES
Eye Protection:GOGGLES WHEN HANDLING RUPTURED BATTERIES
Other Protective Equipment:AN EMERGENCY EYEWASH AND SHOWER SHOULD BE AVAILABLE.
Work Hygienic Practices:WASH HANDS THOROUGHLY WITH SOAP AND WATER BEFORE EATING, DRINKING, SMOKING OR USING TOILET FACILITIES.
Supplemental Safety and Health
NONE SPECIFIED BY MANUFACTURER.

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

HCC:Z5
Boiling Pt:B.P. Text:NOT GIVEN
Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN
Decomp Temp:Decomp Text:NOT GIVEN
Vapor Pres:NOT GIVEN
Vapor Density:NOT GIVEN
Spec Gravity:NOT GIVEN
Evaporation Rate & Reference:NOT GIVEN
Solubility in Water:52% (KOH)
Appearance and Odor:CAUSTIC ELECTROLYTE IN BATTERY CASE.

===== Stability and Reactivity Data =====
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Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS, NITRATES, NITRIC ACID. BATTERY MAY SHORT CIRCUIT IN WATER.
Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES.
Hazardous Decomposition Products:METAL OXIDE FUMES MAY BE EVOLVED AT TEMPERATURES ABOVE MELTING POINT.

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

Waste Disposal Methods:CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER.
DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL

REGULATIONS. DO NOT INCINERATE.

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