

ALEXANDER MFG CO. -- MERCURY-ZINC BA-53 -- 6135-00-120-1004

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Product Identification
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Product ID:MERCURY-ZINC BA-53

MSDS Date:02/01/1994

FSC:6135

NIIN:00-120-1004

MSDS Number: BWQZC

=== 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 Phone Num:515-423-1161

Pr

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

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Composition/Information on Ingredients
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Ingred Name:MERCURIC OXIDE (SARA III)

CAS:21908-53-2

RTECS #:OW8750000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.1 MG HG/M3;SKIN;C

ACGIH TLV:0.1 MG HG/M3; 9192

Ingred Name:MANGANESE DIOXIDE

CAS:13

13-13-9
RTECS #:OP0350000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:5 MG MN/M3 CEILING
ACGIH TLV:5 MG MN/M3

Ingred Name:POTASSIUM HYDROXIDE (SARA III)
CAS:1310-58-3
RTECS #:TT2100000
Fraction by Wt: TRACE
Other REC Limits:NONE RECOMMENDED
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:ZINC (SARA III)
CAS:7440-66-6
RTECS #:ZG8600000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:10 MG ZNO/M3
ACGIH TLV:10 MG ZNO/M3; 9192
EPA Rpt Qty:1000 LBS
DO
T Rpt Qty:1000 LBS

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

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: NO HAZARDOUS HEALTH EFFECTS
EXPECTED DURING NORMAL CONDITIONS OF USE. FUMES/VAPORS/MISTS
OCCURRING FROM RUPTURED BATTERIES AND/OR FIRES MAY CAUSE RESPIRATORY
& SKIN IRRITATION. CHRONIC: NONE SPECIFIED BY MANUFACTURER.
Explanation of Carcinogenicity:NO
INGREDIENT OF A CONCENTRATION OF 0.1%
OR GREATER IS LISTED AS A CARCINOGEN OR SUSPECTED CARCINOGEN.
Effects of Overexposure:RESPIRATORY: COUGHING, WHEEZING, SHORTNESS OF
BREATH. SKIN: REDNESS, ITCHING.
Medical Conditions Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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

First Aid:INHALATION-REMOVE TO FRESH AIR. GIVE ARTIFICIAL RESPIRATION
IF BREATHING STOPPED. SEEK MEDICAL ATTENTION. EYES-FLUSH WITH WATER
FOR AT L

EAST 15 MINUTES. SEEK MEDICAL ATTENTION. SKIN-WASH AFFECTED AREA THOROUGHLY. SEEK MEDICAL ATENNTION. INGESTED-SEEK MEDICAL ATTENTION IMMEDIATELY.

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

Extinguishing Media: DRY CHEMICAL.

Fire Fighting Procedures: WEAR SELF-CONTAINED BREATHING APPARATUS IF BATTERIES ARE ON FIRE.

Unusual Fire/Explosion Hazard: NONE KNOWN.

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

Spill Release Procedures: USE RUBBER GLOVES AND PROPER RESPIRATORY PROTECTION (FOR MERCURY FUMES/VAPORS). NEUTRALIZE IF NEEDED. ABSORB WITH INERT MATERIAL IF NEEDED AND PLACE IN A CONTAINER FOR LATER DISPOSAL.

Neutralizing Agent: 5% ACETIC ACID SOLUTION.

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

Handling and Storage Precautions: AVOID HEAT & WATER. DO NOT SHORT CIRCUIT, CHARGE OR OPEN THE BATTERY CELLS.

Other Precautions: NONE SPECIFIED BY MANUFACTURER.

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

Respiratory Protection: NONE NORMALLY REQUIRED. IF ENGINEERING CONTROLS FAIL OR NON-ROUTINE USE OR AN EMERGENCY OCCURS; WEAR AN MSHA/NIOSH APPROVED RESPIRATOR OR AN AIR-SUPPLIED RESPIRATOR OR SCBA, AS REQUIRED. USE IAW 29 CFR 19.10.134 & MANUFACTURER'S RECOMMENDATION.

Ventilation: USE ADEQUATE MECHANICAL VENTILATION OR LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves: NONE NORMALLY REQUIRED.

Eye Protection: NONE NORMALLY REQUIRED.

Other

Protective Equipment: NONE NORMALLY REQUIRED.

Work Hygienic Practices: WASH HANDS AFTER HANDLING AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDER CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health

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

HCC: N1

Boiling Pt: B.P. Text: 212F, 100C

Spec Gravity: 1

Solubility in Water: NEGLIGIBLE

Appearance and Odor: BATTERY, RECTANGULAR, 45 VOLTS, 3 TERMINALS, 5.219 X 3.000 X 1.875 INCHES.

===== Stability =====

and Reactivity Data =====

Stability Indicator/Materials to Avoid: YES
NONE KNOWN.

Stability Condition to Avoid: HEATING ABOVE 160F; CHARGING, WATER.

Hazardous Decomposition Products: MANGANESE, MERCURY & ZINC OXIDE.

Conditions to Avoid Polymerization: WILL NOT OCCUR.

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

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

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