

ALEXANDER MFG CO. -- UNDISCHARGE BATTERY,MERCURY-ZINC,MC146X,8.4V --
6135-00-763-5793

=====
===== Product Identification =====

Product ID:UNDISCHARGE BATTERY,MERCURY-ZINC,MC146X,8.4V

MSDS Date:02/28/1994

FSC:6135

NIIN:00-763-5793

MSDS Number: BTRKH

=== 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

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

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

Ingred Name:MERCURIC OXIDE (SARA III)

CAS:21908-53-2

RTECS #:OW8750000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.1 MG (HG)/M3; Z-2

ACGIH TLV:0.1 MG (HG)/M3; 9394

Ingred Na

me:MANGANESE DIOXIDE (AS MANGANESE)

CAS:1313-13-9

RTECS #:OP0350000

Other REC Limits:NONE RECOMMENDED

OSHA PEL:C, 5 MG/M3

ACGIH TLV:5 MG/M3 DUST/1 FUME

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; 9394

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

EPA Rpt Qty:1000 LBS

DOT 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:THIS ITEM IS AN ARTICLE PER

29CFR1210.1200.NORMAL USE DOES NOT RESULT IN EXPOSURE TO HAZARDOUS
SUBSTANCE.SKIN:MAY CAUSE BURNS.INHAL:MAY CAUSE RESPIRATORY
IRRITATION.

Explanation of Carcinogenicity:THERE ARE NO INGREDIENTS ABOVE 0.1%

WHICH ARE IDENTIFIED AS CARCIN

OGENS BY NTP,IARC OR OSHA.

Effects of Overexposure:SKIN:BURNS.INHAL:RESPIRATORY IRRITATION.

Medical Cond Aggravated by Exposure:UNLIKELY TO AGGRIVATE EXISTING
MEDICAL CONDITIONS.

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

First Aid:SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH WATER.EYES:FLUSH
WITH WATER FOR 15 MINUTES.INHAL:REMOVE TO FRESH AIR.GIVE OXYGEN OR
ARTIFICIAL RESPIRATION IF NEEDED.INGEST:NOT A LIKELY ROUTE OF
EXPOSURE.

=====

Fire Fighting Measures =====

Flash Point:NONE

Extinguishing Media:DRY CHEMICAL.

Fire Fighting Procedures:USE A SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE EQUIPMENT.

Unusual Fire/Explosion Hazard:FIRE CONDITIONS MAY EVOLVE TOXIC FUMES.

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

Spill Release Procedures:USE RUBBER GLOVES AND 3M MASK 9908.SOAK UP WITH NON-COMBUSTIBLE INERT ADSORBANT(EG.CLAY);PLACE COLLECTED MATERIEL IN AN APPROPRI

ATE CONTAINER FOR DISPOSAL;CLEAN SPILL AREA.

Neutralizing Agent:WEAK ACID(EG.VINEGAR).

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

Handling and Storage Precautions:STORE IN A COOL,DRY,WELL-VENTILATED PLACE.

Other Precautions:AVOID WATER,HEAT.DO NOT SHART,CHARGE OR OPEN BATTERIES.

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

Respiratory Protection:USE 3M MASK 9908(PROTECTS AGAINST MERCURY VAPOR UP TO 0.5MG/M3).

Ventilation:NOT NEEDED IN NORMAL SERVICE.

Protective Gloves:NOT NEEDED IN NORMAL SERVICE.

Eye Protection:NOT NEEDED IN NORMAL SERVICE.

Other Protective Equipment:NONE

Work Hygienic Practices:USE REASONABLE CARE IN HANDLING THIS MATERIAL.

Supplemental Safety and Health
NONE

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

HCC:Z7

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

Spec Gravity:1

Solubility in Water:NEGLIGIBLE

Appearance and Odor:NOT REPORTED

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

=====

Stability Indicator/Materials to Avoid: YES

MANUFACTURER STATES NONE KNOWN.

Stability Condition to Avoid: HEAT ABOVE 160F, IMPROPER CHARGING. BATTERY CAN SHORT CIRCUIT IN WATER.

Hazardous Decomposition Products: MANGANESE, MERCURY, ZINC OXIDE.

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

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

Disclaimer (provided with this information by the compiling agencies):

This informa

tion is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.