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NAVAL MINE WARFARE ENGINEERING ACTIVITY -- DISCHARGED BATTERY DRY CARBON-ZINC, MK

108- -- 6135-00-008-5344

Product ID:DISCHARGED BATTERY DRY CARBON-ZINC, MK 108-

MSDS Date:02/08/1991

FSC:6135

NIIN:00-008-5344

MSDS Number: BMDJN === Responsible Party ===

Company Name: NAVAL MINE WARFARE ENGINEERING ACTIVITY

Address: CODE 60 BUILDING 1959

City:YORKTOWN

State:VA ZIP:2

3691-5076 Country:US

Info Phone Num:804-887-4930

Emergency Phone Num:804-887-4930

Preparer's Name: ANN ALLEN

CAGE:30265

=== Contractor Identification ===

Company Name: HOECHST CELANESE CHEM GROUP

Box:City:DALLAS

State:TX

ZIP:75356-9320 Country:US

Phone:214-689-4000

CAGE:10001

Company Name: NAVAL MINE WARFARE ENGINEERING ACTIVITY

Address: CODE 60 BUILDING 1959

Box:City:YORKTOWN

State:VA

ZIP:23691-5076 Country:US

Phone:804-887-4930

CAGE:30265

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

## =======

Ingred Name: MERCURY (SARA III)

CAS:7439-97-6

RTECS #:OV4550000 Fraction by Wt: 0.01%

OSHA PEL:0.1 MG/M3, S, C ACGIH TLV:0.05 MG/M3, S

EPA Rpt Qty:1 LB DOT Rpt Qty:1 LB

Ingred Name:ZINC CHLORIDE (SARA III)

CAS:7646-85-7

RTECS #:ZH1400000 Fraction by Wt: 4.0%

OSHA PEL:1 MG/M3/2 STEL

ACGIH TLV:1 MG/M3/2STEL FUME93

EPA Rpt Qty:1000 LBS DOT Rpt Qty:1000 LBS

Ingred Name: AMMONIUM CHLORIDE (SARA III)

CAS:12125-02-9 RTECS #:BP4550000 Fraction by Wt: 4.0%

OSHA PEL:10 MG/M3;20STEL FUME

**ACG** 

IH TLV:10 MG/M3;20STEL FUME

EPA Rpt Qty:5000 LBS DOT Rpt Qty:5000 LBS

Ingred Name: MANGANESE DIOXIDE

CAS:1313-13-9

RTECS #:OP0350000 Fraction by Wt: 29.0%

OSHA PEL:5 MG/M3 CEILING (MN)

ACGIH TLV:5 MG/M3 (MN)

Ingred Name: CARBON BLACK

CAS:1333-86-4

RTECS #:FF5800000 Fraction by Wt: 11.0% OSHA PEL:3.5 MG/M3 ACGIH TLV:3.5 MG/M3

Ingred Name: GRAPHITE

CAS:7782-42-5

RTECS #:MD9659600

OSHA PEL:15 MPPCF RDUST ACGIH TLV:2 MG/M3 RDUST; 9293

Ingred Name: MANGANESE (SARA III)

CAS:7439-96-5

RTECS #: OO927500

OSHA PEL:(C) 5 MG/M3 DUST ACGIH TLV:5 MG/M3 DUST 9293

Ingred Name:ZINC OXIDE

CAS:1314-13-2

RTECS #:ZH4810000

OSHA PEL:15MG/M3 TDUST/5 FUME ACGIH TLV:10MG/M3 TDUST; 9293

Ingred Name: AMMONIA (SARA III)

CAS:7664-41-7

RTECS #:BO0875000 OSHA PEL:50 PPM

ACGIH TLV:25 PPM/35 STEL: 9293

EPA Rpt Qty:100 LBS DOT Rpt Qty:100 LBS

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

LD50 LC50 Mixture: NONE SPECIFIED BY MANUFACTURER. Routes of Entry: Inhalation:YES Skin:YES Ingestion:YE

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic:ACUTE: INHAL:MAY CAUSE IRRIT OR METAL FUME FEVER IN A FIRE SITUATION. INGEST: INGREDIENTS ARE POISONOUS. SKIN:MATERIALS MAY CAUSE SKIN OR EYE IRRITATION BY VAPOR OR DIRECT CONTACT. CHRONIC:NOT LIKELY U NDER NORMAL USE. IN A FIRE SITUATION, CELLS MAY RELEASE HAZARDOUS SUBSTANCES.

Explanation of Carcinogenicity: NOT RELEVANT

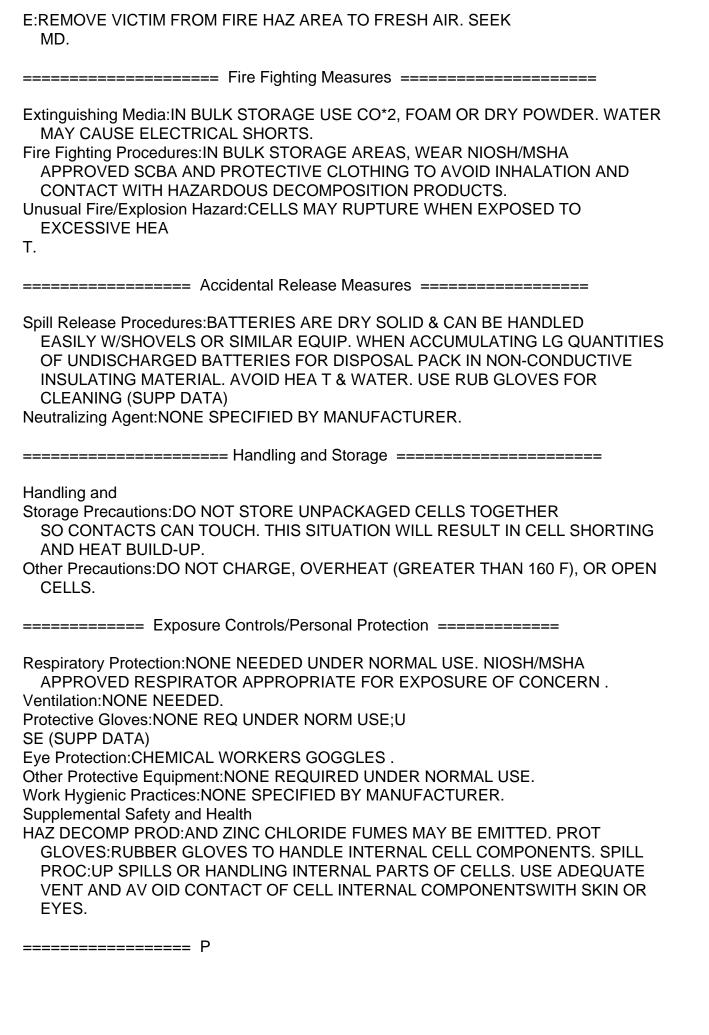
Effects of Overexposure: SEE HEALTH HAZARDS.

Medical Cond Aggravated by Ex

posure: RESPIRATORY INFECTIONS AND

DISEASES. SKIN DISEASES.

First Aid:INHAL:REMOVE TO FRESH AIR, USE ARTF RESP IF NEEDED. SEEK MD. EYE:FLUSH AT LEAST 15 MIN W/FRESH RUNNING H\*20, OCCAS LIFTING UPPER & LOWER EYELID. SEEK MD ATTEN. SKIN:THORO WASH AFFECTED AREA UNTIL NO TRACE OF MATL REMAINS. INGEST: NOT LIKELY UNDER NORM USE. IF INGEST SHOULD OCCUR, GET IMMED MD ATTEN. DRINK LG QTYS OF H\*20. **EXPOS IN FIR** 



hysical/Chemical Properties =========
Boiling Pt:B.P. Text:>212F,>100C Vapor Density:>1 Spec Gravity:>1 Evaporation Rate & mp; Reference:>1 Solubility in Water:NEGLIGIBLE
Appearance and Odor:BLACK SOLID GRANULES WITH POSS AMMONIA ODOR, ENCASED IN BATTERY ASSEMBLY.
======== Stability and Reactivity Data =========
Stability Indicator/Materials to Avoid:YES KEEP AWAY FROM WATER. Stability Condition to Avoid:EXCESSIVE HEAT AND FIRE (HEATING ABOVE 160 F), CHARG ING
Hazardous Decomposition Products:IN A FIRE SITUATION, MERCURY VAP, AMMONIUM CHLORIDE, AMMONIA, NITROUS OXIDES, CHLORINE, MANGANESE, ZINC OXIDE(SUPP DATA)
======= Disposal Considerations ===========
Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS. DISPOSAL BY LANDFILL MAY BE ILLEGAL IN SOME AREAS.
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