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NAVAL MINE WARFARE ENGINEERING ACTIVITY -- DISCHARGED BATTERY MERCURY-ZINC, MK 131-0 -- 6135-01-096-1451

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

Product ID:DISCHARGED BATTERY MERCURY-ZINC, MK 131-0

MSDS Date:02/11/1991

FSC:6135

NIIN:01-096-1451

MSDS Number: BMDKS === Responsible Party ===

Company Name: NAVAL MINE WARFARE ENGINEERING ACTIVITY

Address: CODE 60 BUILDING 1959

City:YORKTOWN

State:VA ZIP:2369 1-5076 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 =====

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Ingred Name: MERCURY

CAS:7439-97-6

RTECS #:OV4550000

Fraction by Wt: 5%

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: MERCURIC OXIDE

CAS:21908-53-2 RTECS #:OW8750000 Fraction by Wt: 35%

OSHA PEL:0.1 MG HG/M3, S, C

ACGIH TLV:0.1 MG HG/M3

Ingred Name:POTASSIUM HYDROXIDE

CAS:1310-58-3

RTECS #:TT2100000
Fraction by Wt: 10%
OSHA PEL:2 MG/M3, C
ACGIH TLV:2 MG/M3, C
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name: MANGANESE DIOXIDE

CAS:13 13-13-9

RTECS #:OP0350000 Fraction by Wt: 30%

OSHA PEL:5 MG/M3, C; 1 FUME ACGIH TLV:5 MG/M3; 1 FUME

Ingred Name: MANGANESE

CAS:7439-96-5

RTECS #: OO9275000

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: SUPP DATA: PARTS OF CELLS. USE ADEQUATE VENTILATION & AVOID CONTACT OF CELL INTERNAL COMPONENTS WITH SKIN OR EYES.

RTECS #:9999999ZZ

Ingred Name:PROT GLOVES:

USE; USE RUBBER GLOVES TO HANDLE INTERNAL CELL COMPONENTS. RTECS #:9999999ZZ

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

LD50 LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:IN A FIRE SITUATION, CELLS MAY RELEASE HAZARDOUS SUBSTANCES. ACUTE: INHAL: MAY CAUSE IRRITATION OR METAL FUME FEVER IN A FIRE SITUATION. INGEST: I

NGREDIENTS ARE POISONOUS.

SKIN/EYE: MATERIALS MAY CAUS E SKIN OR EYE IRRITATION BY VAPOR OR DIRECT CONTACT. CHRONIC: NOT LIKELY UNDER NORMAL USE.

Explanation of Carcinogenicity: NOT RELEVANT

Effects of Overexposure:HEADACHE, COUGH, CHEST TIGHTNESS, CHEMICAL PNEUMONITIS, HAND AND LIP TREMORS, MEMORY LOSS, DEPRESSION. MANGANESE IS AN EXPERIMENTAL MUTAGEN. MANGANESE AND MERCURY ARE EXPERIMENTAL TERATOGENS. MERCURY IS A HUMAN GASTROINTESTINAL TRACT AND CENTRAL NERVOUS SYSTEM

POISON.

Medical Cond Aggravated by Exposure: RESPIRATORY INFECTIONS AND DISEASES.

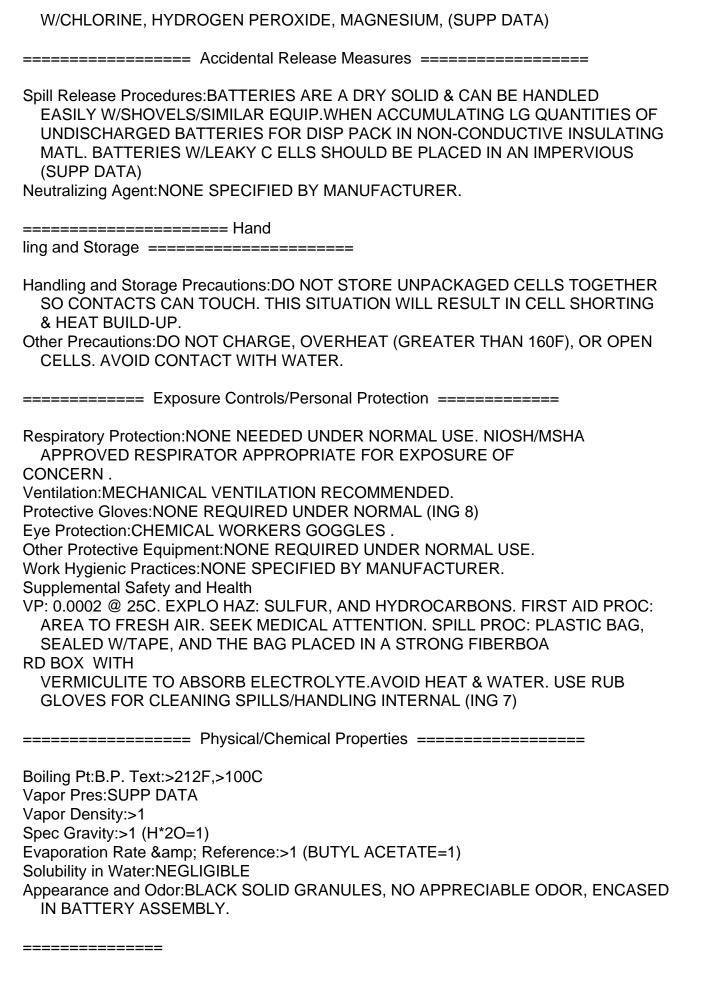
First Aid:INHAL:REMOVE TO FRESH AIR, USE ARTF RESP IF NEEDED. SEEK MD ATTN. EYE:FLUSH AT LEAST 15 MIN W/FRESH RUNNING WATER, OCCASNLY LIFTING UPPER & LOWER LID. SEEK MD ATTN. SKIN:THORO WASH AFTD AREA UNTIL NO TRACE OF MATL REMAINS. SEEK MD ATTN IF NEEDED. INGEST:NOT LIKELY UNDER NORM USE. IF INGEST SHOULD OCCUR, GET IMMED MD ATTN

DRINK LG QUANTITIES OF WATER. EXPOS IN FIRE:REMOVE FROM FIRE HAZ (SUPP DATA)

Extinguishing Media:IN BULK STORAGE USE CO*2, FOAM OR DRY POWDER. WATER MAY CAUSE ELECTRICAL SHORTS.

Fire Fighting Procedures:WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT.

Unusual Fire/Explosion Hazard: CELLS MAY RUPTURE WHEN EXPOS TO EXCESSIVE HEAT. MAY RELEASE MERCURY VAP WHEN HEATED WHICH REACTS VIOLENTLY



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

Stability Indicator/Materials to Avoid:YES

KEEP AWAY FROM WATER. AVOID CHLORINE, HYDROGEN PEROXIDE, SULFUR, PHOSPHORUS, HYDROCARBONS, REDUCING AGENTS.

Stability Condition to Avoid: EXCESSIVE HEAT AND FIRE (HEATING ABOVE 160F), CHARGING.

Hazardous Decomposition Products:IN A FIRE SITUATION, MERCURY VAPOR, MANGANESE, CARBON MONOXIDE, NITROGEN OXIDES, AND ZINC OXIDE FUMES MAY BE EMITTED.

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ons			

Waste Disposal Methods:DISPOSE OF I/A/W ALL FEDERAL, STATE AND LOCAL REGULATIONS. DISPOSAL BY LANDFILL MAY BE PROHIBITED IN SOME AREAS.

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