View NSN Online: https://aerobasegroup.com/nsn/6135-00-008-5342

NAVAL MINE WARFARE ENGINEERING ACTIVITY -- DISCHARGED BATTERY ALKALINE, MK106-0 -- 6135-00-008-5342

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

Product ID:DISCHARGED BATTERY ALKALINE, MK106-0

MSDS Date:02/08/1991

FSC:6135

NIIN:00-008-5342

MSDS Number: BNMMC === Responsible Party ===

Company Name: NAVAL MINE WARFARE ENGINEERING ACTIVITY

Address: CODE 60 BUILDING 1959

City:YORKTOWN

State:VA

ZIP:23691-5076

Cou ntry: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

I

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

ngred Name:MERCURY

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: MAGANESE

CAS:7439-96-5

RTECS #: OO9275000

Other REC Limits: 1 MG/M3 FUME; 3 STEL

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

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:1313-13-9

RTECS #:OP0350000 Fraction by Wt: 10%

OSHA PEL:5 MG/M3 CEILING (MN) ACGIH TLV:5 MG/M3 (AS MN DUST)

Ingred Name: CARBON BLACK

CAS:1333-86-4

RTECS #:FF5800000 OSHA PEL:3.5 MG/M3 ACGIH TLV:3.5 MG/M3

Ingred Name: GRAPHITE

CAS:7782-42-5

RTECS #:MD9659600 Fraction by Wt: 5%

Other REC Limits:15 MPPCF (MFR)
OSHA PEL:15 MPPCF RDUST
ACGIH TLV:2 MG/M3 RDUST; 9293

Ingred Name:ZINC OXIDE

CAS:1314-13-2

RTECS #:ZN4810000

Other REC Limits:5 MG/M3, C

OSHA PEL:15MG/M3 TDUST/5 FUME

ACGIH TLV:10MG/M

3 TDUST; 9293
=========== Hazards Identification =============
LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER. Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic:IN FIRE SITUATION CELLS MAY RELEASE HAZ SUBSTANCES. ACUTE: INHAL: MAY CAUSE IRRITATION OR METAL FUME FEVER IN FIRE SITUATION. INGEST: INGREDIENTS ARE POISONOUS. CONTACT: MATERIALS MAY CAUSE SKIN OR EY E IRRITATIO N BY VAPOR OR DIRECT CONTACT. CHRONIC: NOT LIKELY UNDER NORMAL USE. MERCURY IS AN (EFTS OF OVEREXP) Explanation of Carcinogenicity:NOT RELEVANT. Effects of Overexposure:HLTH HAZ: EXPERIMENTAL TERATOGEN, GI & CNS POISON. MANGANESE IS AN EXPERIMENTAL TERATOGEN & MUTAGEN. ZINC OXIDE IS HUMAN PULMONARY DISEASE PRODUCER. Medical Cond Aggravated by Exposure:RESPIRATORY INFECTIONS AND DISEASES. SKIN DISEASES.
======================================
Fir st Aid:INHAL:REMOVE TO FRESH AIR, USE ARTF RESP IF NEEDED. SEEK MED ATTN. EYES:FLUSH @ LST 15 MIN W/FRESH RUNNING H*2O, OCCAS LIFTING UPPER & LOWER LID. SEEK MED ATTN. SKIN:THORO WASH AFFECTED AREA UNTIL NO TRACE OF MATL REMAINS. INGEST:NOT LIKELY UNDER NORMAL USE. IF INGEST SHOULD OCCUR, GET IMMED MED ATTN. DRINK LG QTY OF H*2O. EXPOS IN FIRE:REMOVE VICTIM FROM FIRE HAZ AREA TO FRESH AIR. SEEK MED ATTN.
======================================
Flash Point:NOT KNOWN 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 TO AVOID INHALATION AND CONTACT WITH HAZ

DECOMPOSITION PRODUCTS.

Unusual Fire/Explosion Hazard: CELLS MAY RUPTURE WHEN EXPOSED TO EXCESSIVE HEAT.

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

Spill Release Procedures:BATTERIES ARE DRY SOLID & CAN B

E HNDLD EASILY W/SHOVELS/SIMILAR EQUIP. WHEN ACCUMULATING LG QTY OF UNDISCHARGED BATTERIES FOR DISP PACK IN NON-CONDUCTIVE INSULATING MATL. AVOID HEAT & H\*2O. USE RUB GL OVES FOR CLEANING UP SPILLS/HNDLG (SUPPDATA) Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER. =========== Handling and Storage ============================ Handling and Storage Precautions: DO NOT STORE UNPACKAGED CELLS TOGETHER SO CONTACTS CAN TOUCH. THIS SITUATION WILL RESULT IN CELL SHORTING ND HEAT BUILD-UP. Other Precautions: DO NOT CHARGE, OVERHEAT (>160F), OR OPEN CELLS. AVOID CONTACT WITH WATER, SPARKS, OPEN FLAMES. ====== Exposure Controls/Personal Protection ======== Respiratory Protection: NONE NEEDED UNDER NORMAL USE. USE NIOSH/MSHA APPROVED RESPIRATOR APPROPRIATE FOR EXPOSURE OF CONCERN. Ventilation: NONE NEEDED UNDER NORMAL USE. Protective Gloves: NONE REQ UNDER NORM USE. RUBB(SUPP DATA) Eye Protection: CHEMICAL WORKERS GOGGLES. Other Protective Equip ment:NONE REQUIRED UNDER NORMAL USE. Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER. Supplemental Safety and Health SPILL PROC: INTERNAL PARTS OF CELLS. USE ADEQUATE VENTILATION AND AVOID CONTACT OF CELL INTERNAL COMPONENTS WITH SKIN OR EYES. PROT GLOVES: GLOVES FOR HANDLING INTERNAL COMPONENTS. ======== Physical/Chemical Properties ============ Boiling Pt:B.P. Text:>212F,>100C Vapor Density:>1 Spec Gravity:>1 Evaporation Rate & Evaporation R Solubility in Water: NEGLIGIBLE Appearance and Odor:BLACK SOLID GRANULES W/NO APPRECIABLE ODOR, ENCASED IN BATERY 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 160F), CHARGING. Hazardous Decomposition Products: IN FIRE SITUATION, MERCURY VAP, MANGANESE & ZINC OXIDE FUMES MAY BE EMITTED.

======= Disposal Considerations =

\_\_\_\_\_

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL REGULATIONS. DISPOSAL BY LANDFILL MAY BE PROHIBITED IN SOME AREAS.

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