

GNB INCORPORATED -- BATTERY ELECTRIC STORAGE,WET -- 6140-00-190-9828

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

Product ID:BATTERY ELECTRIC STORAGE,WET

MSDS Date:01/03/1990

FSC:6140

NIIN:00-190-9828

MSDS Number: BNTBJ

=== Responsible Party ===

Company Name:GNB INCORPORATED

Address:1110 HIGHWAY 110

City:MENDOTA HEIGHTS

State:MN

ZIP:55118

Country:US

Info Phone Num:612-681-5000/FAX -5143 (NANCY)

Emergency P

hone Num:612-681-5000(75) (NANCY)

CAGE:OMM77

=== Contractor Identification ===

Company Name:GNB BATTERIES INC

Box:43140

City:ST PAUL

State:MN

ZIP:55164

Country:US

Phone:612-681-5000

CAGE:4X342

Company Name:GNB INCORPORATED

Address:1110 HIGHWAY 110

City:MENDOTA HEIGHTS

State:MN

ZIP:55118

Country:US

Phone:612-681-5000

CAGE:OMM77

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

Ingred Name:LEAD (SARA III)

CAS:7439-92-1

RTECS #:OF7525000

Fraction by Wt: 50%

Other REC Limits:NON

E SPECIFIED

OSHA PEL:0.05 MG/M3;1910.1025

ACGIH TLV:0.15 MG/M3;DUST 9192

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:SULFURIC ACID (SARA III)

CAS:7664-93-9

RTECS #:WS5600000

Fraction by Wt: 27%

Other REC Limits:NONE SPECIFIED

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3; 9192

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

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

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

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

Health

Hazards Acute and Chronic:ACUTE-STINGING AND BURNING SENSATION
TO SKIN & EYES.CHRONIC-NOT GIVEN.

Effects of Overexposure:SEE HEALTH HAZARDS SECTION.

Medical Cond Aggravated by Exposure:EXPOSURE TO SULFURIC ACID MIST MAY
CAUSE LUNG DAMAGE AND AGGRAVATE PULMONARY CONDITIONS.

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

First Aid:SEE A DOCTOR.EYES/SKIN:FLUSH WITH WATER FOR 15

MINUTES.INHALATION OF SULFUR OXIDE:REMOVE TO FRESH AIR.DISCONNECT
BATTERIES & VENT

ILATE THE AREA.INGESTION:DRINK LARGE QUANTITIES OF

MILK/ WATER,FOLLOWED BY MILK OF MAGNESIA(NO CARBONATES),BEATEN
EGGS OR VEGETABLE OIL.SEE DOCTOR IMMEDIATELY.

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

Extinguishing Media:DRY CHEMICAL.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A
FULL FACED SELF CONTAINED BREATHING APPARATUS. EVACUATE AREA.

Unusual Fire/Explosion Hazard:WHEN ON CHARGE AND APPROACHING FULL
CHARGE, GASES GENER

ATED ARE FLAMMABLE. KEEP SOURCES OF IGNITION
(SPARKS & FLAMES) AWAY.

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

Spill Release Procedures:APPLY AN EQUAL AMOUNT OR BAKING SODA, SODA
ASH, CAUSTIC SODA OR EQUIVALENT OVER SPILLED ELECTROLYTE TO
NEUTRALIZE IT AND ADD WATER IF NECESSARY TO FORM A SLURRY. SCOOP UP
SLURRY.

Neutralizing Agent:LIME OR SODA

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

Handling and Storage Precautions:STORAG

E-STORE WITH VENT SIDE UP.BE

CERTAIN VENTS ARE FREE OF DIRT TO INSURE AIR FLOW.

Other Precautions:DO NOT SHORT OUT POSITIVE AND NEGATIVE ELECTRODES
WITH A CONDUCTOR. THIS MAY CAUSE A HOT ELECTRICAL SPARK.

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

Respiratory Protection:USE NIOSH-APPROVED RESPIRATOR IF 1 MG/M3 TWA IS
EXCEEDED (ACID).

Ventilation:LOCAL EXHAUST AT CHARGING STATIONS

Protective Gloves:RUBBER

Eye Protection:SPLASH-PROOF SAFETY GOGGLES/FACE SHIEL

D

Other Protective Equipment:RUBBER APRON AND BOOTS.EYES WASH STATION AND
SAFETY SHOWER. USE ACID-PROOF CLOTHING FOR MAJOR SPILLS.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

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

HCC:C1

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

Stability Indicator/Materials to Avoid:YES

NOT GIVEN.

Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES

===== D

isposal Considerations =====

Waste Disposal Methods:DO NOT DISPOSE OF BATTERY. SPENT OR UNUSABLE BATTERIES SHOULD BE RECYCLED BY A LICENSED BATTERY RECYCLER.

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.