

GNB INCORPORATED -- BATTERY ELECTRIC STORAGE,WET -- 6140-00-438-0299

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

Product ID:BATTERY ELECTRIC STORAGE,WET

MSDS Date:01/03/1990

FSC:6140

NIIN:00-438-0299

MSDS Number: BKMYB

=== 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 Phone Num:612-681-5000(75) (NANCY)

CAGE:OMM77

=== Contractor Ident

ification ===

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:NONE SPECIFIED

OSHA PEL:0.05 MG/M3;1910.1025

ACGIH TLV:0.15 MG/M3;D

UST 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 & VENTILATE THE AREA.INGESTION:DRINK LARGE QUANTITIES OF
MILK/WAT
ER,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 GENERATED ARE FLAMMABLE. KEEP SOURCES OF IGNITION
(SPARKS & FLAME

S) 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:STORAGE-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 SHIELD

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

FOR ELECTROLYTE (SULFURIC ACID), SEE P/N B SAME NSN.

===== 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

===== Disposal Con

siderations =====

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

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