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GNB INC -- BATTERTY ELECTRIC STORAGE, WET -- 6140-01-113-8009
========== Product Identification ==========

Product ID:BATTERTY ELECTRIC STORAGE, WET
MSDS Date:01/03/1990
FSC:6140
NIIN:01-113-8009
MSDS Number: BKBMT
=== Responsible Party ===
Company Name:GNB INC
Address:1110 HIGHWAY 110
City:MENDOTA HEIGHTS
State:MN
ZIP:55118
Country:US
Info Phone Num:612-681-5000
Emergency Phone Num:612-681-5000
CAGE:70658

=== Contractor Identification ===
Company Name:GNB BATTERIES INC INDUSTRIAL BATTERY DIV
Address:1606 SANTA ROSA RD
Box:K-9
City:RICHMOND
State:VA
ZIP:23288
Country:US
Phone:804-288-2888
CAGE:7D658
Company Name:GNB INC
Address:1110 HIGHWAY 110
Box:City:MENDOTA HEIGHTS
State:MN
ZIP:55118
Country:US
Phone:612-618-5000
CAGE:70658
Company Name:GNB INC.
Address:1110 HIGHWAY 110
Box:City:SAINT PAUL (MENDOTA HTS)
State:MN
ZIP:55118
Country:US
Phone:612-681-5000
CAGE:0MM77

========== Composition/In

formation 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;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 Identificatio
n ==========

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: SULFURIC ACID MAY CAUSE IRRITATION OF EYES, NOSE AND THROAT. PROLONGED CONTACT MAY CAUSE SEVERE BURNS. CHRONIC: REPEATED CONTACT CAUSES IRRITATION AND SKIN BURNS. REPEATED EXPOSURE TO MIST MAY CAUSE EROSION OF TEETH, CHRONIC EYE IRRITATION AND/OR CHRONIC INFLAMMATION OF THE NOSE, THROAT AND BRONCHIAL T
UBES.
Effects of Overexposure:ACID CONTACT MAY CAUSE IRRITATION OF EYES, NOSE AND THROAT. BREATHING OF MIST MAY PRODUCE RESPIRATORY DIFFICULTY. CONTACT WITH EYES AND SKIN CAUSES IRRITATION AND SKIN BURNS. SULFURIC ACID IS A CORROS IVE CHEMICAL. OVEREXPOSURE TO LEAD MAY CAUSE LOSS OF APPETITE, FATIGUE, ANEMIA, DAMAGE TO KIDNEYS AND NERVOUS SYSTEM.
Medical Cond Aggravated by Exposure:PULMONARY EDEMA, BRONCHITIS, EMPHYSEMA, DENTAL EROSION AND TRACHEOBRONCHITIS.

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

First Aid:1). FLUSH CONTACTED AREA WITH LARGE AMOUNTS OF WATER FO R
AT LEAST 15 MINUTES. REMOVE CONTAMINATED CLOTHING AND GET
MEDICAL ATTENTION. 2). IF SWALLOWED, GIVE
LARGE VOLUME S OF WATER. DO NOT I NDUCE VOMITING,OBTAIN MEDICAL
ATTENTION. 3). EYEWASH AND SHOWER STATIONS SHOULD BE
AVAILABLE.

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

Extinguishing Media:HALOGEN TYPE OF DRY
CHEMICALS.
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A
FULL FACED SELF CONTAINED BREATHING APPARATUS. EVACUATE AREA. COOL
FIRE EXPOSED CONTAINERS WITH WATER SPRAY.
Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE
HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS. WILL GENERATE HYDROGEN
AND SULFURIC ACID MIST ON OVERCHARGE.

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

Spill Release Procedures:SPILL-DILUTE SPILL CAUT
IOUSLY WITH FIVE TO SIX
VOLUMES OF WATER AND GRADUALLY NEUTRALIZE WITH SODIUM BICARBONATE,
SODA ASH OR LIME. WHEN EXPOSURE LEVEL IS NOT KNOWN, WEAR NIOSH
APPROVED SELF-CONTAINED RESPIRATOR.
Neutralizing Agent:SODIUM BICARBONATE, SODA ASH OR LIME.

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

Handling and Storage Precautions:STORAGE-STORE AWAY FROM REACTIVE
MATERIALS, OPEN FLAMES AND SOURCES OF IGNITION.
Other Precautions:SODIUM BICARBONATE, SODA ASH, SAND
OR LIME SHOULD BE
KEPT IN SAME GENERAL AREA FOR EMERGENCY USE. WASH HANDS THOROUGHLY
AFTER HANDLING LEAD TERMINALS INORDER TO AVOID INGESTION OF
LEAD/LEAD COMPOUNDS.

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

Respiratory Protection:ACIS GAS RESPIRATOR REQUIRED WHEN PEL IS
EXCEEDED OR EMPLOYEE WITNESSES RESPIRATORY IRRITATION.
Ventilation:WHEN PEL IS EXCEEDED LOCAL EXHAUST IS PREFERRED. USE
ADEQUATE VENTILATION TO MAINTAIN EXPOSURE BELOW PEL.
Protec

tive Gloves:ACID RESISTANT
Eye Protection:CHEMICAL SAFETY GOGGLES/FACE SHIELD
Other Protective Equipment:ACIS-RESISTANT APRONS, BOOTS AND PROTECTIVE CLOTHING.
Work Hygienic Practices:GOOD PERSONAL HYGIENE AND WORK PRACTICES ARE MANDATORY.
Supplemental Safety and Health
AVOID PROLONGED OVERCHARGE IN CONFINED AREAS.

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

HCC:C1
Appearance and Odor:LEAD/ACID BATTERY WITH PLASTIC CASE

========== Stability and Reactivi
ty Data ==========

Stability Indicator/Materials to Avoid:YES
STRONG OXIDIZING AGENTS
Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES AND OTHER SOURCES OF IGNITION
Hazardous Decomposition Products:MAY PRODUCE OXIDES OF SULFUR AND HYDROGEN GAS.

========== Disposal Considerations ==========

Waste Disposal Methods:PLACE IN ACID-RESISTANT CONTAINERS. DISPOSAL MUST BE IN ACCORDANCE WITH APPLICABLE GOVERNMENT REGULATIONS.