

GNB INC -- LEAD,ACID STORAGE BATTERY,SEALED,12 VOLTS --
6140-01-247-7760

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

Product ID:LEAD,ACID STORAGE BATTERY,SEALED,12 VOLTS

MSDS Date:01/03/1990

FSC:6140

NIIN:01-247-7760

MSDS Number: BPHTV

=== 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:BATTERY OUTLET INC

Address:1608 CAMPOSTELLA RD

Box:City:CHESAPEAKE

State:VA

ZIP:23324

Country:US

Phone:757-545-4442

CAGE:0FGN2

Company Name:CELL ENERGY INC

Address:3190-B ORANGE GROVE AVE

Box:City:NORTH HIGHLANDS

State:CA

ZIP:95660-5706

Country:US

Phone:916-484-7974

CAGE:1U269

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/Information on Ingredients =====

Ingred Name:LEAD (SARA III)

CAS:7439-92-1

RTECS #:OF7525000

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

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 =====

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 2140 MG/KG, (ACID)

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

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

Health Hazards Acute and Chronic:PRODUCT IS AN ARTICLE UNDER
UNDER NORMAL USE IS NON-HAZARDOUS.HOWEVER UNDER CERTAIN
CONDITIONS PERSONS MAY BE EXPOSED TO TOXIC LEAD,CORROSIV
ACID AND/OR EXPLOSIVE HYDROGEN .SEVERE BURNS AND EYE DAM
RESULTFROM EXPOSURE TO SULFURIC ACID ELECTROLYTE AND ILL
SULFUR OXIDE FUMES.

Explanation of Carcinogenicity:PRODUCT CONTAINS NO INGREDIEN
CURRENTLY CLASSIFIED AS CARCINOGENIC BY NTP, IARC OR OSH

Effects of Overexposure:ACID CONTACT MAY CAUSE IRRITATION OF
AND THROAT. BREATHING OF MIST MAY PRODUCE RESPIRATORY DI
CONTACT WITH EYES AND SKIN CAUSES IRRITATION AND SKIN BU
SULFURIC ACID IS A CORROS IVE CHEMICAL. OVEREXPOSURE TO
CAUSE LOSS OF APPETITE, FATIGUE, ANEMIA, DAMAGE TO KIDNE
NERVOUS SYSTEM.

Medical Cond Aggravated by Exposure:EXPOSURE TO ACID MISTS C
AGGRAVATE PULMONARY CONDITIONS.

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

First Aid:EYES: FLUSH WITH LARGE AMOUNTS OF WATER.GET MEDICA
ATTENTION. SKIN: REMOVE CONTAMINATED CLOTHING. WASH AREA
AND WATER. GET MEDICAL ATTENTION. INHALATION: MOVE TO FR
GET MEDICAL ATTE NTION. INGESTION: LEAD/LEAD COMPOUNDS:
ATTENTION. SULFURIC ACID: DO NOT INDUCE VOMITING. GIVE W
MILK FOLLOWED BY MILK OF MAGNESIA,BEATEN EGGS OR VEGETAB
MEDICAL ATTENTION.

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

Flash Point:NOT COMBUSTABLE

Lower Limits:NOT GIVEN

Upper Limits:NOT GIVEN

Extinguishing Media:SUITABLE DRY CHEMICAL.

Fire Fighting Procedures:DO NOT USE WATER TO EXTINGUISH FIRE
CAN GET INTO CONCENTATED ACID. IN CASE OF FIRE NEXT TO C
USE RESPIRATORY PROTECTION AGAINST ACID MISTS.

Unusual Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY
HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS. WILL GENERA
AND SULFURIC ACID MIST ON OVERCHARGE.

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

Spill Release Procedures:CONTAIN SPILL WITH DIKE OR ABSORBEN
APPLY LIME, BAKING SODA, SODA ASH OR EQUIVALENT TO NEUTR
LIQUID PH TO 5-9. SCOOP UP SLURRY AND ANY CONTAMINATED M
(SOIL, DIKE MATERIAL E TC.) INTO CONTAINERS FOR PROPER D

Neutralizing Agent:SODIUM BICARBONATE, SODA ASH OR LIME.

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

Handling and Storage Precautions:STORE IN COOL, DRY, WELL VENTILATED AREA WITH IMPERVIOUS SURFACES AND ADEQUATE SPILL CONTAINMENT. BATTERIES SHOULD BE STORED UNDER ROOF.

Other Precautions:SEAL BATTERIES WITH RELEASED ELECTROLYTE IN POLYETHYLENE BAGS. AVOID PHYSICAL DAMAGE TO CONTAINERS. FROM FIRE, SPARKS, AND HEAT. DO NOT OVERCHARGE. DO NOT SHORT CIRCUIT BATTERY TERMINALS.KEEP BAKING SODA IN AREA FOR USE.

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

Respiratory Protection:NONE NORMALLY REQUIRED. WHEN CONCENTRATIONS OF SULFURIC ACID MIST ARE KNOWN TO EXCEED PEL, USE NIOSH OR MSHA-APPROVED RESPIRATOR PROTECTION.

Ventilation:LOCAL EXHAUST RECOMMENDED AT CHARGING STATIONS WHEN PEL IS EXCEEDED. VENTILATION COMPONENTS MUST BE ACID-RESISTANT.

Protective Gloves:ROUGH RUBBER GLOVES IF CASE IS CRACKED.

Eye Protection:CHEMICAL SAFETY GOGGLES/FACE SHIELD.

Other Protective Equipment:HAVE EYE WASH STATION AND SAFETY SHEET AVAILABLE. ACID-RESISTANT APRONS, BOOTS AND PROTECTIVE CLOTHING FOR MAJOR SPILL.

Work Hygienic Practices:WASH AFTER HANDLING AND BEFORE EATING OR DRINKING, OR SMOKING. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

AVOID PROLONGED OVERCHARGE IN CONFINED AREAS.

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

HCC:N1

Boiling Pt:B.P. Text:203F, 95C

Melt/Freeze Pt:M.P/F.P Text:-101F TO 31F

Vapor Pres:0.4-21.8

Vapor Density:3.40

Spec Gravity:1.06-1.84

pH:ACID

Evaporation Rate & Reference:<1

Solubility in Water:100% (ELECTROLYTE)

Appearance and Odor:ELECTROLYTE- CLEAR LIQUID WITH SHARP, PUNGENT ODOR

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

Stability Indicator/Materials to Avoid: YES

SOLVENTS MAY DISSOLVE BATTERY CASE. KEEP ACID AWAY FROM COMB
ORGANIC MATERIALS, STRONG REDUCING AGENTS.

Stability Condition to Avoid: EXTREME HEAT, SPARKS, OPEN FLAM
OVERCHARGING OF BATTERY.

Hazardous Decomposition Products: MAY PRODUCE OXIDES OF SULFU
MONOXIDE, AND ACID MISTS. HYDROGEN GAS MAY BE PRODUCED O
OVERCHARGING.

Conditions to Avoid Polymerization: WILL NOT OCCUR.

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

Waste Disposal Methods: DISPOSE OF WASTE IN ACCORDANCE WITH L
AND FEDERAL REGULATIONS. IF LOCAL REGULATIONS PERMIT, NE
LIQUID MAY BE DISPOSED IN INDUSTRIAL SEWER.

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