

GNB INC INDUSTRIAL BATTERY DIV WOODLAKE CORP PARK -- LEAD-ACID CELL (ANTIMONY) --
6140-01-323-1325

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

Product ID:LEAD-ACID CELL (ANTIMONY)

MSDS Date:08/05/1988

FSC:6140

NIIN:01-323-1325

MSDS Number: BLZJF

=== Responsible Party ===

Company Name:GNB INC INDUSTRIAL BATTERY DIV WOODLAKE CORP PARK

Address:829 PARKVIEW BOULEVARD

City:LOMBARD

State:IL

ZIP:60148-3249

Count

ry:US

Info Phone Num:708-691-7886

Emergency Phone Num:800-424-9300

Preparer's Name:JAMES B. DOE, P.E.

CAGE:88219

=== Contractor Identification ===

Company Name:EXIDE TECHNOLOGIES INC CO, GNB INDUSTRIAL POWER DIV

Address:829 PARKVIEW BOULEVARD

Box:City:LOMBARD

State:IL

ZIP:60148-3249

Country:US

Phone:800-872-0471/630-691-7841

CAGE:88219

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

Ingred Name:LEAD (SARA III)

CAS:7439-92-1

RTECS #:OF7525000

Fraction by Wt: 51.4%

Other RE

C 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:ANTIMONY (SARA III)
CAS:7440-36-0
RTECS #:CC4025000
Fraction by Wt: 1.0%
Other REC Limits:NONE SPECIFIED
OSHA PEL:0.5 MG/M3
ACGIH TLV:0.5 MG SB/M3; 9192
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:LEAD PEROXIDE
CAS:1309-60-0
RTECS #:OG0700000
Fraction by Wt: 20.8%
Other REC Limits:NONE SPECIFIED

Ingred Name:SULFURIC ACID (SARA III)
CAS:7664-93-9
RTECS
#:WS5600000
Fraction by Wt: 18.6%
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

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===== Hazards Identification =====
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:ACUTE: NOSE, EYE AND THROAT
IRRITATION. CHRONIC: REPEATED EXPOSURE TO MIST OR LIQUID CAUSES
RESPIRATORY DERMATITIS, CONJUNCTIVITI

S AND LACRIMATION.

Explanation of Carcinogenicity:NOT A KNOWN CARCINOGEN.

Effects of Overexposure:STINGING AND BURNING SENSATION TO SKIN AND EYES.

Medical Cond Aggravated by Exposure:EXPOSURE TO ACID MIST CAN AGGRAVATE PULMONARY CONDITIONS.

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

First Aid:EYE-IMMEDIATELY WASH WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION. SKIN-WASH SKIN WITH SOAP & WATER. GET MEDICAL ATTENTION. INHALE-REMOVE TO FRESH AIR. IF BREATHING HAS STOPPED, GIVE CPR. GET MEDICAL ATTENTION. INGEST-GET MEDICAL ATTENTION IMMEDIATELY. GIVE LARGE AMOUNTS OF WATER UNTIL MEDICAL HELP ARRIVES.

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

Extinguishing Media:DRY CHEMICAL.

Fire Fighting Procedures:IN THE EVENT ELECTROLYTE IS EXPOSED DURING A FIRE, DO NOT COVER OR SPLASH ELECTROLYTE WITH DRY CHEMICAL.

Unusual Fire/Explosion Hazard:CHARGING GENERATES A POTENTIAL EXPLOSION MIXTU

RE OF HYDROGEN & OXYGEN GASE IN THE CELL. USE A CELL FLASH ARRESTOR TO PREVENT INTERNAL CELL EXPLOSION.

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

Spill Release Procedures:CONTAIN SPILL WITH ABSORBANT DIKE. APPLY BAKING SODA, SODA ASH, CAUSTIC SODA OR EQUIVALENT TO NEUTRALIZE THE ELECTROLYTE.

Neutralizing Agent:SODIUM BICARBONATE, SODA ASH, LIME.

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

Handling and Storage Precautions:AVOID ELE CTROLYTE CONTACT WITH EYES,

SKIN OR CLOTHING. AVOID BREATHING ELECTROLYTE VAPOR. NO SMOKING REGULATION IF POSSIBILITY OF HYDROGEN EVOLUTION.

Other Precautions:STORE ELECTROLYTE ONLY IN APPROVED CELLS.

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

Respiratory Protection:SELF-CONTAINED BREATHING APPARATUS IF FUMES OR MIST ARE PRESENT.

Ventilation:LOCAL EXHAUST TO OUTSIDE AIR OR MECHANICAL EHAUST TO OUTSIDE AIR.

Protective Gloves:RUBBER GLOVES.

Eye Protection

:CHEMICAL SPLASH GOGGLES.

Other Protective Equipment:IMPERVIOUS CLOTHING (I.E. RUBBER APRONS,
BOOTS AND SUITS) ARE RECOMMENDED.

Work Hygienic Practices:WASH HANDS AND PROTECTIVE EQUIPMENT WITH WATER
AFTER USE.

Supplemental Safety and Health
NONE

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Physical/Chemical Properties
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HCC:C1

Appearance and Odor:STRONG ACRID ODOR.

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Stability and Reactivity Data
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Stability Indicator/Materials to Avoid:YES

IRON, POWDERED M

ETALS, ZINC AND STEEL REACT WITH SULFURIC ACID AND
RELEASE FLAMMABLE HYDROGEN GAS.

Stability Condition to Avoid:REACTIONS WITH WATER AND ORGANIC
MATERIALS. RUNOFF TO SEWER MAY CREATE FIRE OR EXPLOSION HAZARD. MAY
IGNITE COMBUSTIBLES

Hazardous Decomposition Products:THERMAL DECOMPOSITION INCLUDES HIGHLY
TOXIC FUMES OF SULFURIC OXIDES.

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Disposal Considerations
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Waste Disposal Methods:NEUTRALIZED ELECTROLYTE MAY BE DISPOSED IN SEWER
SY
STEM IF LOCAL REGULATIONS PERMIT. ANY DIKE MATERIAL SHOULD BE
DISPOSED IN ACCORDANCE WITH LOCAL REGULATIONS.

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