

GNB INC INDUSTRIAL BATTERY DIV WOODLAKE CORP PARK -- ELECTROLYTE (SULFURIC ACID SOL.) -- 6140-01-325-0058

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

Product ID:ELECTROLYTE (SULFURIC ACID SOL.)

MSDS Date:04/13/1987

FSC:6140

NIIN:01-325-0058

MSDS Number: BPPQX

=== Responsible Party ===

Company Name:GNB INC INDUSTRIAL BATTERY DIV WOODLAKE CORP PARK

Address:829 PARKVIEW BOULEVARD

City:LOMBARD

State:IL

ZIP:60

148-3249

Country:US

Info Phone Num:708-691-7886

Emergency Phone Num:708-691-7886/800-424-9300(CHEMTREC)

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

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

Ingred Name:SULFURIC ACID (SARA III)

CAS:7664-93-9

RTE

CS #:WS5600000

Fraction by Wt: 20 - 40%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3; 9293

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:LEAD (SARA III)

CAS:7439-92-1

RTECS #:OF7525000

Fraction by Wt: 51.4%

Other REC Limits:NONE SPECIFIED

OSHA PEL:0.05 MG/M3;1910.1025

ACGIH TLV:0.15 MG/M3;DUST 9293

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:LEAD PEROXIDE

CAS:1309-60-0

RTECS #:OG0700000

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; 9293
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 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-CONTACT WITH ACID CAUSES SEVERE BURNS TO ALL TISSUE.INGESTION MAY BE FATAL;CAUSES SEVERE BURNS & ULCERATION.INHALATION CAUSES SEVERE RESPIRATORY IRRITATION.IF LEAD ALLOY DUST IS PRESENT,MAY CAUSE WEIGHT LOSS,LASSITUDE,CONSTIPATION,ANEMIA,VOMITING,PARALYSIS & CNS DEPRESSION.CHRONIC-SKIN ULCERATION & DERMATITIS.
Effects of Overexposure:CONTACT WITH ACID CAUSES SEVERE BURNS TO ALL TISSUE. INGESTION CAUSES SEVERE BURNS & ULCERATION. INHALATION CAUSES SEVERE RESPIRATORY IRRITATION. IF LEAD ALLOY DUST IS PRESENT, MAY CAUSE WEIGHT LOSS, LASSITUDE, CONSTIPATION, ANEMIA, VOMITING, PARALYSIS & CNS DEPRESSION.
Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN DISORDERS MAY BE MORE SUSCEPTIBLE TO THIS MATERIAL.

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First Aid Measures
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First Aid:GET IMMEDIATE MEDICAL ATTENTION IN ALL CASES.EYES/SKIN:IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES.HOLD EYELIDS OPEN & REMOVE CONTACT LENSES.INHALED:REMOVE TO FRESH AIR.INGESTION:DO NOT INDUCE VOMITING.DRINK AS MUCH MILK/WATER AS POSSIBLE WITHOUT VOMITING.

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Fire Fighting Measures
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Flash Point:NON FLAMMABLE
Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL. DO NOT SPRAY WATER OVER ACID.
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.
Unusual Fire/Explosion Hazard:WATER APPLIED TO SULFURIC ACID GENERATES HEAT AND CAUSES ACID TO

SPATTER. REACTS WITH MOST METALS TO YIELD
EXPLOSIVE/FLAMMABLE HYDROGEN GAS.

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

Spill Release Procedures:AVOID CONTACT WITH SULFURIC ACID ELECTROLYTE
FROM BATTERY. LIME OR SODA ASH MAY BE USED TO NEUTRALIZE AND/OR
FLUSH WITH LARGE VOLUME OF WATER.

Neutralizing Agent:SODA ASH (SODIUM CARBONATE) OR QUICKLIME (CALCIUM
OXIDE).

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

Handling and Storage P

Precautions:STORAGE-STORE BATTERIES IN

COOL,VENTILATED PLACE AWAY FROM FLAMES,WATER & STRONG BASES.

Other Precautions:AVOID SKIN CONTACT. WHEN CHARGING BATTERIES, AVOID
PLACING IN AREAS WHERE HYDROGEN GAS CAN BUILD UP. KEEP BATTERIES
AWAY FROM CHILDREN. DO NOT GET IN EYES. DO NOT BREATHE VAPORS OR
MISTS.

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

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

Ventila

tion:GENERAL (MECHANICAL) VENTILATION. LOCAL EXHAUST IN CHARGING
STATIONS

Protective Gloves:RUBBER

Eye Protection:SPLASH-PROOF SAFETY GOGGLES

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

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

THE BATTERY IS MARKED GNB INDUSTRIAL AND ELECTROLYTE IS MARKED COLONIAL
CHEMICAL. AN EXPENSIVE BATTERY.

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

HCC:C1

Boiling Pt:=140.C, 284.F

Melt/Freeze Pt:M.P/F.P Text:8F,-14C

Vapor Pres:20.8 @ 77F

Vapor Density:3.4

Spec Gravity:1.140 - 1.300

pH:< 1

Evaporation Rate & Reference: