

GNB BATTERIES INC INDUSTRIAL BATTERY DIV -- LEAD ACID BATTERY (LIFT KING P/N 13541417)
-- 6140-01-358-1475

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

Product ID:LEAD ACID BATTERY (LIFT KING P/N 13541417)
MSDS Date:03/15/1991
FSC:6140
NIIN:01-358-1475
MSDS Number: BQDWP
=== Responsible Party ===
Company Name:GNB BATTERIES INC INDUSTRIAL BATTERY DIV
Address:4530 OLD LANE
City:CHESTER
State:VA
ZIP:23831
Country:US
Info Phone Num:804-288-2888
Emergency Phone Num:804-751-9
191
CAGE:7D658
=== 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:LIFT KING INC
Address:7135 ISLINGTON AVE
Box:City:WOODBIDGE ONT CAN L4L 1V9
Country:CN
Phone:416-749-1596
CAGE:38490

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

Ingred Name:LEAD (SARA III)
CAS:7439-92-1
RTECS #:OF7525000
Other REC Limits:NONE REC

OMMENDED
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:ANTIMONY (SARA III)
CAS:7440-36-0
RTECS #:CC4025000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.5 MG/M3
ACGIH TLV:0.5 MG SB/M3; 9293
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:CALCIUM, METAL
CAS:7440-70-2
RTECS #:EV8040000
Other REC Limits:NONE RECOMMENDED

Ingred Name:ARSENIC (SARA III)
CAS:7440-38-2
RTECS #:CG0525000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.5
MG/M3 (AS)
ACGIH TLV:0.01,A1 MG/M3; 9394
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:LEAD OXIDE (LITHARGE)
CAS:1317-36-8
RTECS #:OG1750000
Other REC Limits:NONE RECOMMENDED

Ingred Name:SULFURIC ACID (SARA III)
CAS:7664-93-9
RTECS #:WS5600000
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:OTHER COMPONENTS (TYPE NOT SPECIFIED)
Other REC Limits:NONE RECOMMENDED

===== Hazards Identification ===

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LD50 LC50 Mixture:LD50 (ORAL RAT) IS 2140 MG/KG (H2SO4)

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

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

Health Hazards Acute and Chronic:ACUTE: MAY CAUSE IRRITATION OF

RESPIRATORY TRACT, EYES, SKIN OR GI TRACT. MAY CAUSE BURNS OF SKIN, EYES, OR GI TRACT. MAY CAUSE CORNEAL DAMAGE OR BLINDNESS. CHRONIC: TOOTH EROSION, INFLAMMATION OF NOS E, THROAT AND BRONCHIAL TUBES.

Explanation of Carcinogenicity:THE EL
ECTROLYTE IS NOT LISTED BY IARC,
NTP, OR OSHA AS A CARCINOGEN.

Effects of Overexposure:INHALATION: BURNING SENSATION IN NOSE, THROAT
AND LUNGS, COUGHING, WHEEZING, SHORTNESS OF BREATH. EYES: REDNESS,
TEARING, BLURRED VISION, BURNS, SEVERE PAIN. SKIN: SEVERE PAIN,
BURNS, REDNESS, RASH, I TCHING. INGESTION: BURNS OF MOUTH, THROAT,
AND ESOPHAGUS, SEVERE STOMACH PAIN, NAUSEA, VOMITING.

Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF AILMENTS
OR WITH A PRE-EXISTI
NG DISEASE INVOLVING THE RESPIRATORY TRACT OR
TEETH MAY BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:INHALATION:REMOVE TO FRESH AIR. RESUSCITATE IF NOT BREATHING.
GET MEDICAL ATTENTION. EYES:IMMEDIATELY FLUSH WITH PLENTY OF WATER
FOR 15 MINUTES HOLDING EYELIDS OPEN. GET PROMPT MEDICAL ATTENTION.
SKIN :REMOVE CONTAMINATED CLOTHING. WASH WITH PLENTY OF WATER FOR
15 MINUTES. GET MEDICAL ADVICE. INGESTION:DO
NOT INDUCE VOMITING.
GIVE NOTHING BY MOUTH IF UNCONSCIOUS. GET IMMEDIATE MEDICAL
ATTENTION.

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

Extinguishing Media:USE DRY CHEMICAL, CARBON DIOXIDE, FOAM, HALOGEN.

Fire Fighting Procedures:USE OF WATER IN EXTINGUISHING BURNING
BATTERIES MAY CAUSE SPATTERING DUE TO THE PRESENCE OF MOLTEN LEAD.
WEAR SCBA AND FULL PROTECTIVE GEAR.

Unusual Fire/Explosion Hazard:AFTER ELECTROLYTE IS ADDED AND BATTERY IS
BEING CHA

RGED, HYDROGEN GAS IS PRODUCED. BATTERY MAY EXPLODE IF
HYDROGEN GAS TRAPPED INSIDE THE CASE SHOULD IGNITE.

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

Spill Release Procedures:SHOULD A BATTERY BREAK OPEN, ISOLATE AREA.
ELECTROLYTE SHOULD BE ABSORBED WITH A NON-ORGANIC TYPE ABSORBENT
SUCH AS DRY SAND OR EARTH. AVOID DILUTION WITH WATER. LEAD SPILLED
FROM THE BATTERY SHOULD B E VACUUMED, DO NOT SWEEP OR USE
COMPRESSED AIR.

Neutralizing Agent:USE SODA A
SH OR BAKING SODA TO NEUTRALIZE THE
ELECTROLYTE.

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

Handling and Storage Precautions:AVOID THE USE OF UNINSULATED TOOLS. IF
THEY ARE REQUIRED, TAKE CARE NOT TO ELECTRICALLY SHORT THE
TERMINALS. REMOVE METAL JEWELRY BEFORE SERVICING.

Other Precautions:UNDER NORMAL CONDITIONS OF USE, EXPOSURE TO LEAD OR
LEAD CONTAINING COMPOUNDS DOES NOT OCCUR. SHOULD A BATTERY BREAK
OPEN AND A LEAD SPILL OCCUR, PRECAUTIONS SHOU
LD BE TAKEN TO PREVENT
LEAD DUST FROM BECOMING AIR BORNE.

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

Respiratory Protection:UNDER NORMAL CONDITIONS OF USE, RESPIRATORY
PROTECTION IS NOT REQUIRED. HOWEVER, IF CONDITIONS ARISE THAT
REQUIRE THEIR USE, USE ONLY NIOSH/MSHA RESPIRATORS APPROVED FOR
DUST, FUME AND MIST.

Ventilation:BATTERY CHARGING AREAS MUST BE ADEQUATELY VENTILATED TO
PREVENT HAZARDOUS CONCENTRATIONS OF FLAMMABLE GAS OR ACID MIST.

Prote

ective Gloves:RUBBER GLOVES APPROVED FOR SULFURIC ACID

Eye Protection:CHEMICAL SPLASH GOGGLES AND FACE SHIELD

Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.

INDUSTRIAL-TYPE IMPERVIOUS WORK CLOTHING, BOOTS AND APRON AS
REQUIRED.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND
RECOMMENDED PROCEDURES. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

RQ FOR CERCLA AND SARA III IS 1000 LBS (ELECTROLYTE). MSDS WRITTEN FOR
ELE

CTROLYE- IT IS THE PRIMARY HAZARD DURING NORMAL USE AND HANDLING. MSDS FROM MFR WAS A HODGE PODGE OF COMBIBED MSDS, ELECTROLYT E MSDS. HMIS TECHNICIAN TOOK BEST OF LOT PLUS GENERIC TO GENERATE THIS MSDS.

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

HCC:C1

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

Vapor Pres:10

Vapor Density:>1

Spec Gravity:1.23-1.35

pH:1

Evaporation Rate & Reference: