

EXIDE CORP -- LEAD-ACID BATTERY -- 6140-01-203-3473

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

Product ID:LEAD-ACID BATTERY

MSDS Date:07/01/1991

FSC:6140

NIIN:01-203-3473

MSDS Number: BMWLQ

=== Responsible Party ===

Company Name:EXIDE CORP

Address:645 PENN STREET

City:READING

State:PA

ZIP:19612-4205

Country:US

Info Phone Num:215-378-0527

Emergency Phone Num:215-378-0527/800-424-9300(CHEMTREC)

CAGE:2003

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=== Contractor Identification ===

Company Name:BATTERY OUTLET OF HAMPTON INC

Address:2815 GEORGE WASHINGTON HWY

Box:City:TABB

State:VA

ZIP:23602

Country:US

Phone:804-867-8280

CAGE:0FTM0

Company Name:EXIDE CORP

Address:645 PENN STREET

Box:14205

City:READING

State:PA

ZIP:19612-4205

Country:US

Phone:610-378-0500/0798

CAGE:20038

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

Ingred Name:LEAD (SARA III)

CAS:7439-92-1

RTECS #:OF7525000

Fraction by Wt: 60%

Other REC Limits:NO

NE 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: 2%
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:ARSENIC (SARA III)
CAS:7440-38-2
RTECS #:CG0525000
Fraction by Wt: 0.2%
Other REC Limits:NONE SPECIFIED
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:TIN
CAS:7440-31-5
RTECS #:XP7320000
Fraction by Wt: 0.2%
Other REC Limits:NONE SPECIFIED
OSHA PEL:2 MG/M3
ACGIH TLV:2 MG/M3; 9192

Ingred Name:SULFURIC ACID (SARA III)/ELECTROLYTE
CAS:7664-93-9
RTECS #:WS5600000
Fraction by Wt: 10 - 30%
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

Ingred Name:POLYOLEFIN/CASE MATERIAL
CAS:9003-07-0
Fraction by Wt: 5 - 10%
Other REC Limits:NONE SPECIFIED

Ingr

ed Name:CALCIUM, METAL
CAS:7440-70-2
RTECS #:EV8040000
Fraction by Wt: 0.2%
Other REC Limits:NONE SPECIFIED

Ingred Name:SILICA, CRYSTALLINE - FUSED
CAS:60676-86-0
RTECS #:VV7328000
Fraction by Wt: 10%
Other REC Limits:NONE SPECIFIED
OSHA PEL:SEE TABLE Z3
ACGIH TLV:0.1 MG/M3 RDUST;9293

Ingred Name:SHEET MOLDING COMPOUND (GLASS REINFORCED POLYESTER)
Other REC Limits:NONE SPECIFIED
OSHA PEL:NOT ESTABLISHED.
ACGIH TLV:NOT ESTABLISHED.

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===== Hazards Identification =====
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Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES
Health Hazards Acute and Chronic:ACUTE:EYE:SEVERE
IRRITATION,BURNS,CORNEAL DAMAGE,BLINDNESS.SKIN:SEVERE
IRRITATION,BURNS,ULCERATION.INHALE:SEVERE RESPIRATORY TRACT
IRRITATION.ORAL:SEVERE IRRITATION,BURNS,ABDOMINAL
PAIN,NAUSEA,VOMITIN G,DIARRHEA & SEVERE CRAMPING.CHRONIC:EROSION OF
TOOTH ENAMEL,INFLAMMATION,ANEMIA,NEUROPATHY,WRIST DROP,KIDNEY
DAMAGE.

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Explanation of Carcinogenicity:CONTAINS ARSENIC AND LEAD
Effects of Overexposure:SEVERE EYE IRRITATION, BURNS, CORNEAL DAMAGE,
BLINDNESS. SEVERE SKIN IRRITATION, BURNS, ULCERATION. SEVERE
RESPIRATORY TRACT IRRITATION. ORALLY CAN CAUSE SEVERE IRRITATION,
BURNS, ABDOMINAL PAIN, NAUSEA, VOMITING, DIARRHEA & SEVERE
CRAMPING

Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN
DISORDERS OR IMPAIRED LIVER, KIDNEY, RESPIRATORY FUNCTION OR
NEUROLOGIC DISEASES MAY BE

MORE SUSCEPTIBLE TO THE EFFECTS OF THE
SUBSTANCE.

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

First Aid:GET MEDICAL ATTENTION IMMEDIATELY.EYE/SKIN:IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15 MINUTES.HOLD EYELIDS OPEN.INHALED:REMOVE TO FRESH AIR & PROVIDE OXYGEN/CPR IF NEEDED.ORAL:DO NOT INDUCE VOMITING .CALL A PHYSICIAN IMMEDIATELY.NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

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

Lower Limits:4.1 (H2 GAS)
Upper Limits:74.2

Extinguishing Media:HALOGEN, CO2, DRY CHEMICAL, FOAM. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE. SHUT OFF POWER.

Unusual Fire/Explosion Hazard:HIGHLY FLAMMABLE HYDROGEN GAS IS GENERATED DURING CHARGING & OPERATION OF BATTERIES. KEEP SPARKS/OTHER SOURCES OF IGNITION AWAY. DO NOT SHORTEN THE BATTERIES.

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

Spill Release Procedures:STOP FLOW OF MATERIAL.CONTAIN/ABSORB SMALL SPILLS WITH DRY SAND,EARTH,VERMICULITE.DO NOT USE COMBUSTIBLE MATERIALS.IF POSSIBLE,CAREFULLY NEUTRALIZE WITH SODIUM BICARBONATE,SODA ASH OR LIME.WEAR ACID-RESISTANT CLOTHING,BOOTS & NIOSH APPROVED SCBA.

Neutralizing Agent:SODIUM BICARBONATE, SODA ASH OR LIME.

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

Handling and Storage Precautions:STORAGE-STORE IN COOL,DRY,WELL-VENTILATED AREA AWAY FROM INCOMPATIBLES,OPEN FLAMES & SOURCES OF IGNITION.

Other Precautions:STORE BATTERIES UNDER ROOF. ADEQUATE WATER, SODIUM BICARBONATE, SODA ASH, SAND OR LIME SHOULD BE KEPT IN SAME GENERAL AREA FOR EMERGENCY USE. WASH HANDS THOROUGHLY AFTER HANDLING LEAD TERMINALS IN ORDER TO AVOID INGESTION OF LEAD/LEAD COMPOUNDS

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===== Exposure Controls/Personal

Protection =====

Respiratory Protection:IF ENGINEERING CONTROLS ARE INADEQUATE TO CONTROL MISTS CONCENTRATIONS TO AN ACCEPTABLE LEVEL, A NIOSH-APPROVED ORGANIC VAPOR RESPIRATOR SHOULD BE WORN.

Ventilation:STORE AND HANDLE IN WELL-VENTILATED AREA. IF MECHANICAL VENTILATION IS USED, COMPONENTS MUST BE ACID-RESISTANT.

Protective Gloves:RUBBER/PLASTIC ACID RESISTANT

Eye Protection:CHEMICAL SAFETY GOGGLES/FACE SHIELD

Other Protective Equipment:ACID-RESISTANT APRONS, BOOTS AND PROTECTIVE

CLOTHING.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health

FORMULA CHANGED. FOR PREVIOUS FORMULATION, SEE PNI A UNDER THE SAME NSN.

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

HCC:C1

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

Vapor Pres:10

Vapor Density:>1

Spec Gravity:1.230 - 1.350

Evaporation Rate & Reference: