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EXIDE CORP.-GENERAL BATTERY CORP -- LEAD-ACID BATTERY,WB 131,13 M 2 A -- 6140-00-836-1282

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

Product ID:LEAD-ACID BATTERY,WB 131,13 M 2 A
MSDS Date:02/01/1996
FSC:6140
NIIN:00-836-1282
MSDS Number: BFRVZ
=== Responsible Party ===
Company Name:EXIDE CORP.-GENERAL BATTERY CORP
Address:645 PENN STREET
Box:14205
City:READING
State:PA
ZIP:19601
Country:US
Info Phone Num:
215-378-0527/610-378-0500
Emergency Phone Num:215-378-0527/800-424-9300(CHEMTREC)
CAGE:08163
=== 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:EXIDE CORP.-GENERAL BATTERY CORP
Address:645 PENN STREET
Box:City:READING
State:PA
ZIP:19601
Country:US
Phone:215-378-0527/800-424-9300(CHEMTREC)
CAGE:08163

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

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Ingred Name:LEAD (SARA 313) (CERCLA)/LEAD,LEAD OXIDE,LEAD SULFATE
CAS:7439-92-1
RTECS #:OF7525000
Fraction by Wt: 53%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:SEE 1910.1025
ACGIH TLV:0.05MG/M3, A3; 9596
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:ANTIMONY (SARA 313) (CERCLA)
CAS:7440-36-0
RTECS #:CC4025000
Fraction by Wt: 0.2%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.5 MG/M3
ACGIH TLV:0.5 MG (SB)/M3; 9596
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:ARSENIC (SARA 313)
(CERCLA)
CAS:7440-38-2
RTECS #:CG0525000
Fraction by Wt: 0.003%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:SEE 1910.1018
ACGIH TLV:0.01 MG/M3, A1; 9596
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:CALCIUM, METAL
CAS:7440-70-2
RTECS #:EV8040000
Fraction by Wt: 0.02%
Other REC Limits:NONE RECOMMENDED

Ingred Name:TIN
CAS:7440-31-5
RTECS #:XP7320000
Fraction by Wt: 0.06%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:2 MG/M3
ACGIH TLV:2 MG/M3; 9596

Ingred Name:SULFURIC ACID (SARA 302/313) (CERCLA)/E

LECTROLYTE
CAS:7664-93-9
RTECS #:WS5600000
Fraction by Wt: 30 - 40%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3/3 STEL; 9596
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:POLYPROPYLENE (PRINCIPAL CASE MATERIAL OF AUTOMOTIVE AND
COMMERCIAL BATTERIES)
CAS:9003-07-0
RTECS #:TR5000000
Fraction by Wt: 5 - 6%
Other REC Limits:NONE RECOMMENDED

Ingred Name:HARD RUBBER
Other REC Limits:NONE RECOMMENDED

Ingred Name:SILICONE DIOXIDE (GEL CELL BATTERIES)/SILICA, CRYST
ALLINE -
FUSED
CAS:60676-86-0
RTECS #:VV7328000
Fraction by Wt: 3 - 5%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:SEE TABLE Z-3
ACGIH TLV:0.1 MG/M3 RDUST;9596

========== Hazards Identification ==========

LD50 LC50 Mixture:LD50 (ORAL, RAT) IS NOT RELEVANT.
Routes of Entry: Inhalation:NO Skin:NO Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:TARGET ORGANS:EYE, SKIN, CNS, LUNG, GI
TRACT. ACUTE- LEAD MAY CAUSE GI
UPSET, DIARRHEA, CRAMPING &
FATIGUE. SULFURIC ACID MAY CAUSE EYE, SKIN & RESPIRATORY TRACT
IRRITATION, BURNS, CORNEAL & LUNG DAMA GE. CHRONIC- LEAD MAY CAUSE
ANEMIA, KIDNEY & NERVOUS SYSTEM DAMAGE. ACID CAN CAUSE BRONCHITIS,
EROSION OF TOOTH ENAMEL.
Explanation of Carcinogenicity:NONE
Effects of Overexposure:GI UPSET, LOSS OF APPETITE, DIARRHEA,
CONSTIPATION, CRAMPING, LACK OF SLEEP, FATIGUE, SEVERE IRRITATION,
BURNS, CORNEAL AND LUNG DAMAGE, BLINDNESS, ULCERATION, WRIST

DROP,
REPRODUCTIVE CHANGES
Medical Cond Aggravated by Exposure:LEAD AND ITS COMPOUNDS CAN AGGRAVATE CHRONIC FORMS OF KIDNEY, LIVER AND NEUROLOGIC DISEASES. CONTACT OF SULFURIC ACID WITH SKIN MAY AGGRAVATE DISEASES SUCH AS ECZEMA. ACID MIST AGGRAVATES LUNG DISEASE

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

First Aid:OBTAIN MEDICAL ATTENTION IMMEDIATELY IN ALL CASES OF EXPOSURE. EYES/SKIN:IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. KEEP EYELIDS
OPEN. INHALATION:REMOVE TO FRESH AIR IMMEDIATELY. IF BREATHING IS DIF FICULT, PROVIDE OXYGEN. INGESTION:DO NOT INDUCE VOMITING. IF CONSCIOUS, DRINK LARGE AMOUNT OF WATER OR MILK.

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

Flash Point:NON-FLAMMABLE
Lower Limits:4.1%HYDROGEN
Upper Limits:74.2HYDROGEN
Extinguishing Media:USE CARBON DIOXIDE, SAND, HALON/DRY CHEMICAL. WATER APPLIED TO ELECTROLYTE GENERATES HEAT AND CAUSES IT TO SPATTER.
Fire Fighting Procedures:WEAR ACID-RESISTANT CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE MODE.
Unusual Fire/Explosion Hazard:BATTERY CELLS MAY RUPTURE WHEN EXPOSED TO EXCESSIVE HEAT. THIS COULD RESULT IN RELEASE OF CORROSIVE MATERIALS. HYDROGEN GAS, IF PRESENT, IS EXPLOSIVE/FLAMMABLE.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENTS. VENTILATE AREA. REMOVE IGNITION SOURCES (H2 MAY BE PRESENT). CONTAIN BY DIKING AND COVER SPILL WITH SODA ASH OR QUICKLIME. MIX WELL. CHECK THAT MIXTURE IS NEUTRAL. COLLECT AND PLACE IN A DRUM. DO NOT FLUSH TO SEWER.
Neutralizing Agent:SODA ASH (SODIUM CARBONATE), QUICKLIME (CALCIUM OXIDE)

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

Handling and Storage Precautions:STORE NEAR EYEWASH FOUNTAIN AND SAFETY SHOWER. STORAGE AREA SHOULD BE EQUIPPED WITH A DRAIN WHICH CAPTURES

SPILLS OF ACID FOR PROPER DISPOSAL.
Other Precautions:KEEP TERMINALS COVERED. AVOID SHORTING BATTERIES. DO NOT CRACK/OVERCHARGE BATTERIES. KEEP LIGHTED CIGARETTES, SPARKS, AND FLAMES AWAY FROM BATTERIES. KEEP OUT OF REACH OF CHILDREN. AVOID METALLIC ARTI CLES TO CONTACT TERMINALS OF A BETTERY.

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

Respiratory Protection:NOT REQUIRED UNDER NORMAL USE. USE NIOSH-APPROVED ACID-MIST FILTER RESPIRATOR IF 1 MG/M3 TWA IS
EXCEEDED (ACID).
Ventilation:ADEQUATE GENERAL VENTILATION
Protective Gloves:RUBBER
Eye Protection:SPLASH-PROOF CHEMICAL GOGGLES
Other Protective Equipment:RUBBER APRON AND BOOTS. EYES WASH STATION AND SAFETY SHOWER. USE ACID-PROOF CLOTHING FOR MAJOR SPILLS.
Work Hygienic Practices:REMOVE METALLIC JEWELRY-SHOCK POTENTIAL. WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING AND DRINKING.
Supplemental Safety and Health

========== Physical/Chemical Properties ==========
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HCC:C1
NRC/State Lic Num:NOT RELEVANT
Spec Gravity:1.23-1.35(ACID)
Viscosity:NOT RELEVANT
Evaporation Rate & Reference:NOT RELEVANT
Solubility in Water:NOT RELEVENT
Appearance and Odor:BATTERY CONTAINING SULFURIC ACID AND LEAD.

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

Stability Indicator/Materials to Avoid:YES
COMBUSTIBLES, ORGANIC MATERIALS, METALS, REDUCING AGENTS, SULFUR TRIOXIDE, WATER, BASES
Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES, OVERCH
ARGING,
SMOKING, SPARKS
Hazardous Decomposition Products:LEAD OXIDE, HYDROGEN, SULFUR DIOXIDE, SULFUR TRIOXIDE, METAL FUMES, SULFURIC ACID MIST

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

Waste Disposal Methods:DISPOSE AS HAZARDOUS WASTE. OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS FOR ACID OR LEAD SCRAP. SEND BATTERIES TO LEAD SMELTER FOR RECLAMATION FOLLOWING APPLICABLE FEDERAL, STATE AN D LOCAL REGULATIONS.

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