

EXIDE CORPORATION -- LEAD ACID BATTERY -- 6140-00-190-9828

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

Product ID:LEAD ACID BATTERY

MSDS Date:11/01/1993

FSC:6140

NIIN:00-190-9828

MSDS Number: BJPYD

=== Responsible Party ===

Company Name:EXIDE CORPORATION

Address:645 PENN ST

City:READING

State:PA

ZIP:19601

Country:US

Info Phone Num:215-378-0757

Emergency Phone Num:215-378-0757/800-424-9300(CHEMTREC)

CAGE:6

0038

=== 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:ESB BRANDS INC

Box:City:CLEVELAND

State:OH

Country:US

CAGE:9L851

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

Company Name:TIMKEN CORP GOVERNMENT SALES BON-17

Address:1835 DUEBER AVE SW

City:CANTON

State:OH

ZIP:4



0-70-2  
RTECS #:EV8040000  
Fraction by Wt: 0.2%  
Other REC Limits:NONE SPECIFIED

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:POLYPROPYLENE OR ANY ONE OF THE FOLLOWING INGREDIENTS: #8  
TO 14.

CAS:9003-07-4  
RTECS #:UD1842000  
Fraction by Wt: 5-10%  
Other REC Limits:NONE SPECIFIED

Ingred Name:POLYSTYRENE  
CAS:9003-53-6  
RTECS #:WL6475000  
Fraction by Wt: 5-10%  
Other REC Limits:NONE SPECIFIED

Ingred Name:STYRENE ACRYLONITRILE  
CAS:9003-54-7  
Fraction by Wt: 5-10%  
Other REC Limits:NONE SPECIFIED

Ingred Name:ACRYLONITRILE BUTADIENE STYRENE  
CAS:9003-56-9  
Fraction by Wt: 5-10%  
Other REC Limits:NONE SPECIFIED

Ingred Name:STYRENE BUTADIENE  
CAS:9003-55-8  
Fraction by Wt: 5-10%  
Other REC Limits:NONE SPECIFIED

Ingred Name:POLYVINYLCHLORIDE  
CAS:9002-86-2  
Fraction by Wt: 5-10%  
Other REC Limits:NONE SPECIFIED

Ingred Name:POLYCARBONATE  
Fraction by Wt: 5-10%  
Other REC Limits:NONE SPECIFIED

Ing

red Name:HARD RUBBER  
Fraction by Wt: 5-10%  
Other REC Limits:NONE SPECIFIED

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO  
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: BURNS, SEVERE IRRITATION OF SKIN, EYES, MOUTH, THROAT, ESOPHAGUS AND STOMACH; INFLAMMATION OF BRONCHIAL MEMBRANES. CHRONIC: EROSION OF TEETH, INFLAMMATION OF NOSE, THROAT AND BRONCHIAL TUBES  
., FROM LEAD COMPOUNDS;ANEMIA, NEUROPATHY,KIDNEY DAMAGE, REPRODUCTIVE CHANGES.  
Explanation of Carcinogenicity:LEAD IS LISTED BY IARC AND NTP. ARSENIC IS LISTED BY IARC, NTP AND OSHA.  
Effects of Overexposure:COUGH, INCREASED RESPIRATORY RATE, STINGING, BURNING SENSATION ON SKIN, EYE IRRITATION, DISCOLORATION OF TEETH.  
Medical Cond Aggravated by Exposure:KIDNEY, LUNGS, BLOOD AND NERVOUS DISORDERS.

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

First Aid:EYES  
/SKIN: FLUSH WITH PLENTY OF WATER. SEE DOCTOR IMMEDIATELY. REMOVE CONTAMINATED CLOTHING AND SHOES. INHALATION: REMOVE TO FRESH AIR. GIVE OXYGEN/CPR IF NEEDED. SEE DOCTOR.  
INGESTION: DO NOT INDUCE VOMITING. GIVE MILK OR WATER, FOLLOWED BY 2 OUNCES OF MILK OF MAGNESIA (NO CARBONATES). SEE DOCTOR IMMEDIATELY.

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

Flash Point:NONE  
Lower Limits:4.1(HYDROGN)  
Upper Limits:74(HYDROGEN)  
Extinguishing Media:CARBON DIOXIDE, FOAM, DRY CHEMICAL, HALOGEN.  
Fire Fighting Procedures:IF BATTERIES ARE ON CHARGE, SHUT OFF POWER. USE POSITIVE PRESSURE SCBA. WATER APPLIED TO ACID GENERATES HEAT AND CAUSES SPATTER. WEAR ACID-RESISTANT CLOTHING.  
Unusual Fire/Explosion Hazard:FLAMMABLE AND EXPLOSIVE HYDROGEN GAS IS PRODUCED DURING CHARGING AND OPERATION. REMOVE ALL IGNITION SOURCES. VENTILATE AREA.

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

Spill Release Procedures:WEAR APPROPRIATE

PROTECTIVE EQUIPMENT. DILUTE

CAUTIOUSLY WITH WATER. COVER WITH SODA ASH OR QUICKLIME. SCOOP UP AND PLACE IN APPROPRIATE DISPOSAL CONTAINER. FLUSH AREA WITH LARGE AMOUNTS OF WATER.

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

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

Handling and Storage Precautions:STORE AT ROOM TEMPERATURE. STORE AWAY FROM FLAMES, IGNITION SOURCES, COMBUSTIBLE AND ORGANIC MATERIALS.

AVOID PROLONGED OVERCHARGING.

Other Precautions:DO NOT CARRY BATTERY BY TERMINALS. DO NOT DROP BATTERY, PUNCTURE OR ATTEMPT TO OPEN BATTERY CASE. KEEP TERMINALS COVERED IN PLASTIC CASE. AVOID SHORTING BATTERIES.

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

Respiratory Protection:NONE NORMALLY REQUIRED. NIOSH/MSHA-APPROVED CARTRIDGE RESPIRATOR FOR ACIDS OR FULL FACE MASK AS APPROPRIATE FOR EXPOSURE OF CONCERN WHEN TLV IS EXCEEDED.

Ventilation:GENERAL (MECHANICAL) VENTILATION. LOCAL EXHAUST IN CONFINED AREAS. USE ACID RESISTANT COMPONENTS.

Protective Gloves:RUBBER GLOVES WITH GAUNTLET.

Eye Protection:CHEMICAL GOGGLES OR FACE SHIELD.

Other Protective Equipment:RUBBER APRON AND BOOTS IF CONTACT IS EXPECTED. EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

SEE CASE HISTORY 92090A FOR EXPOSURE TO LEAD. THIS MSDS WAS PREPARED FOR SULFURIC ACID EXPOSURE. HAZARDOUS EXPOSURE TO LEAD COMPOUNDS

CAN OCCUR ONLY WHEN PRODUCT IS HEATED, SANDED,OR OTHERWISE PROCESSED OR DAMAGED TO CREATE DUST, VAPOR OR FUME.

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

HCC:C1

Boiling Pt:=95.C, 203.F

Vapor Pres:10

Vapor Density:>1

Spec Gravity:1.23-1.35

pH:ACIDIC

Evaporation Rate & Reference: