

EXIDE CORP -- LEAD-ACID BATTERY,2 HN-D -- 6140-00-057-2553

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Product Identification  
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Product ID:LEAD-ACID BATTERY,2 HN-D

MSDS Date:02/01/1993

FSC:6140

NIIN:00-057-2553

MSDS Number: BPBHT

=== Responsible Party ===

Company Name:EXIDE CORP

Address:645 PENN STREET

City:READING

State:PA

ZIP:19612-4205

Country:US

Info Phone Num:215-378-0757

Emergency Phone Num:215-378-0500/800-424-9300(CHEMTRE  
C)

CAGE:20038

=== Contractor Identification ===

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

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Composition/Information on Ingredients  
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Ingred Name:LEAD (SARA III)

CAS:7439-92-1

RTECS #:OF7525000

Fraction by Wt: 53%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:SEE 1910.1025

ACGIH TLV:0.15 MG/M3,DUST;9394

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:ANTIMONY (SARA III)

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; 9394  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:ARSENIC (SARA III)  
CAS:7440-38-2  
RTECS #:CG0525000  
Fraction by Wt: 0.003%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:SEE 1910.1018  
ACGIH TLV:0.01 MG/M3, A1; 9394  
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 RECOMMENDE  
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Ingred Name:TIN  
CAS:7440-31-5  
RTECS #:XP7320000  
Fraction by Wt: 0.05%  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:2 MG/M3  
ACGIH TLV:2 MG/M3; 9394

Ingred Name:SULFURIC ACID (SARA III)  
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; 9394  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:PROPYNE POLYMERS/POLYPROPYLENE  
CAS:9003-07-4  
RTECS #:UD1842000  
Fraction by Wt: 5 - 6%  
Other REC Limits:NONE RECOMMENDED

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Hazards Identification  
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LD50 LC50 Mixture:ORAL RAT LD50 IS NOT KNOWN

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO

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

Health Hazards Acute and Chronic:NONE WHILE IS DRY. AFTER ADDING  
ELECTROLYTES:PRODUCT CONTAINS LEAD, ANTIMONY, ARSENIC AND SULFURIC  
ACID. SULFURIC ACID IS A CORROSIVE CAUSING BURNS TO BODY TISSUES.  
THE METALS ARE TOXIC AND SOME COMPO UNDS ARE LISTED AS  
CARCINOGENI

C. CONTACT WITH EITHER IS HIGHLY UNLIKELY TO OCCUR  
UNLESS THE CASE IS BROKEN OR SPILLED.

Explanation of Carcinogenicity:LEAD,ARSENIC COMPOUNDS ARE LISTED AS  
CARCINOGENIC BY NTP & IARC. ANTIMONY BY ACGIH.

Effects of Overexposure:NONE WHILE IS DRY. CONTACT WITH SULFURIC ACID  
IS THE MOST LIKELY EXPOSURE, PRODUCING IRRITATION OR BURNS TO THE  
BODY TISSUE CONTACTED.

Medical Cond Aggravated by Exposure:NONE

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First Aid Measures  
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First Aid

:FIRST AID IS GIVEN FOR SULFURIC ACID CONTACT. EYE:FLUSH  
W/WATER 15 MIN, HOLD LIDS OPEN. SKIN:WASH WITH SOAP & WATER. REMOVE  
CONTAMINATED CLOTHING AND LAUNDRER BEFORE REUSE. INHALED: REMOVE TO  
FRESH AIR . INGESTED:DO NOT INDUCE VOMITING. GIVE2 LARGE GLASSES OF  
MILK OR WATER AND GET IMMEDIATE MEDICAL CARE. GIVE NOTHING BY MOUTH  
IF UNCONSCIOUS. IF IRRITATION PERSISTS OR IS SEVERE,SEE A DOCTOR.

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Fire Fighting Measures  
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Flash Point:NON

-FLAMMABLE

Lower Limits:4.1 (H2)

Upper Limits:74.2 (H2)

Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, FOAM OR DRY CHEMICAL  
FOR SURROUNDING FIRE. USE WATER SPRAY TO COOL FIRE EXPOSED  
CONTAINERS.

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

Unusual Fire/Explosion Hazard:BATTERY IS NON-FLAMMABLE, BUT WHEN ON  
CHARGE, ESPECIALLY OVERCHARGE, HYDROGEN GAS IS

GENERATED. THIS GAS  
MAY BUILD UP TO EXPLOSIVE CONCENTRATIONS. SEE EXP.LIMIT

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

Spill Release Procedures:IF ACID IS SPILLED, NEUTRALIZE. PLACE  
REMAINDER IN AN ACID RESISTANT CONTAINER FOR RECYCLE OF THE METALS.  
Neutralizing Agent:SODIUM BICARBONATE OR LIME

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

Handling and Storage Precautions:STORAGE- STORE IN COOL, DRY AREA.  
PROTECT FROM PHYSICAL DAMAG  
E. PROTECT TERMINALS FROM SHORT  
CIRCUITS.  
Other Precautions:READ MANUFACTURERS LITERATURE AND FOLLOW  
INSTRUCTIONS.

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

Respiratory Protection:RESPIRATOR WILL NOT NORMALLY BE NECESSARY. USE  
NIOSH-APPROVED RESPIRATOR FOR ACID DUST/MIST IF EXPOSURE IS ABOVE  
THE TLV/PEL. SEE 29 CFR 1910.134 FOR REGULATIONS PERTAINING TO  
RESPIRATOR USE.

Ventilation:NOT NORMALLY REQUIRED. USE LOCAL EXHAUST DURING CHARGING  
CYCLES

TO AVOID AN EXPLOSIVE BUILD UP OF HYDROGEN GAS.

Protective Gloves:NONE (RUBBER IF ACID IS LEAKING)

Eye Protection:SAFETY GLASSES/SPLASH GOGGLES (LIQUID)

Other Protective Equipment:NORMAL WORK CLOTHING. PROTECT WITH  
IMPERVIOUS APRON AND/OR BOOTS IF ACID IS LEAKING.

Work Hygienic Practices:USE GOOD INDUSTRIAL HYGIENE PRACTICE. AVOID ALL  
CONTACT WITH ACID OR INTERNALS OF THE BATTERY.

Supplemental Safety and Health

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

HCC:N1

Appearance and Odor:STORAGE BATTERY, NO ODOR

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

Stability Indicator/Materials to Avoid:YES

CONTACT OF SULFURIC ACID ELECTROLYTE WITH ORGANICS, BASES, METALS,  
STRONG OXIDIZERS.

Stability Condition to Avoid:PROLONGED OVERCHARGE,

Hazardous Decomposition Products:PROLONGED OVERCHARGE MAY GENERATE  
HYDROGEN, ARSINE, AND/OR SULFURIC ACID MIST

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

Waste Disposal M

ethods:DISPOSE I/A/W ALL FEDERAL, STATE AND LOCAL  
REGULATIONS. MANUFACTURER SUGGESTS THAT DISPOSAL MAY BE DONE BY  
SENDING TO LEAD RECLAIMER. DO NOT INCINERATE.

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