

EXIDE CORP -- LEAD-ACID BATTERY -- DRY CHARGE -- 6140-01-446-9498
===== Product Identification =====

Product ID:LEAD-ACID BATTERY -- DRY CHARGE
MSDS Date:04/01/1996
FSC:6140
NIIN:01-446-9498
MSDS Number: CHQQB
=== Responsible Party ===
Company Name:EXIDE CORP
Address:645 PENN STREET
Box:14205
City:READING (FORMALLY IN HORSHAM)
State:PA
ZIP:19612-4205
Country:US
Info Phone Num:610-378-0550/ FAX
-0616
Emergency Phone Num:610-378-0500/800-424-9300(CHEMTREC)
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

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

Ingred Name:LEAD (SARA 313) (CERCLA)
CAS:7439-92-1
RTECS #:OF7525000
Fraction by Wt: 92-93%
Other REC Limits:NONE SPECIFIED
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 SPECIFIED
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 SPECIFIED
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:744
0-70-2
RTECS #:EV8040000
Fraction by Wt: 0.02%
Other REC Limits:NONE SPECIFIED

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

Ingred Name:POLYPROPYLENE
CAS:9003-07-0
RTECS #:TR5000000
Fraction by Wt: 6-8%
Other REC Limits:NONE SPECIFIED

Ingred Name:HARD RUBBER (CASE)
Fraction by Wt: 6-8%
Other REC Limits:NONE SPECIFIED

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

LD50 LC50

Mixture:NONE SPECIFIED BY MANUFACTURER.

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

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

Health Hazards Acute and Chronic:INHALATION OF LEAD DUST OR FUMES MAY CAUSE UPPER RESPIRATORY TRACT IRRITATION. INGESTION OF LEAD MAY CAUSE ABDOMINAL PAIN, NAUSEA, VOMITING, DIARRHEA AND SEVERE CRAMPING; MAY LEAD TO SYSTEMIC TOXICITY . EYE CONTACT MAY CAUSE IRRITATION. PROLONGED/REPEATED EXPOSURE MAY LEAD TO NERVE/KIDNEY/REP

RODUCTIVE SYSTEM DAMAGE.

Explanation of Carcinogenicity:LEAD IS LISTED BY IARC AS A 2B CARCINOGEN. ARSEIC IS LISTED BY NTP & IARC AS A POSSIBLE CARCINOGEN.

Effects of Overexposure:INHALED-IRRITATION OF UPPER RESPIRATORY TRACT & LUNGS. INGESTED-ABDOMINAL PAIN, NAUSEA, VOMITING, DIARRHEA, SEVERE CRAMPING. EYES-IRRITATION. OTHER-HEADACHE, FATIGUE, ABDOMINAL PAIN, LOSS OF APPETITE, MUSCULAR ACHES, WEAKNESS, SLEEP DISTURBANCES, IRRITABILITY.

Medical Cond Aggravated by Exposur

e:LEAD & ITS COMPOUNDS CAN AGGRAVATE SOME FORMS OF KIDNEY, LIVER AND NEUROLOGIC DISEASES.

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First Aid Measures
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First Aid:INHALED-REMOVE FROM EXPSOURE. GARGLE, WASH NOSE AND LIPS. CONSULT PHYSICIAN. INGESTED-CONSULT PHYSICIAN IMMEDIATELY. SKIN-WASH IMMEDIATELY WITH SOAP & WATER. EYES-FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES CONSULT PHYSICIAN.

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Fire Fighting Measures
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Lower Limits:4 (H2)

Upper Limits:74 (H2)

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

Fire Fighting Procedures:WEAR FULL BODY PROTECTIVE CLOTHING AND SELF-CONTAINED BREATHING APPARATUS WITH POSITIVE PRESSURE AND FULL FACE PIECE.

Unusual Fire/Explosion Hazard:AFTER ELECTROLYTE IS ADDED AND BATTERY IS BEING CHARGED, HYDROGEN GAS IS PRODUCED. BATTERY MAY EXPLODE IF HYDROGEN GAS TRAPPED INSIDE THE CASE SHOULD IGNITE.

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Accidental Relea

se Measures =====

Spill Release Procedures:LEAD DUST OR PARTICULATES SHOULD BE VACUUMED (HEPA FILTER) OR WET SWEEPED. USE CONTROLS TO MINIMIZE FUGITIVE EMISSIONS. DO NOT USE COMPRESSED AIR. PLACE IN A DRY, CLOSED CONTAINER FOR DISPOSAL OR RECYCLING.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions:STORE IN A COOL, DRY, WELL-VENTILATED PLACE. STORE UNDER ROOF FOR PROTECTION FROM ADVERSE WEATHER.

SEPARATE FROM INCOMPATIBLE MATERIALS.

Other Precautions:STORE & HANDLE ONLY IN AREAS WITH ADEQUATE WATER SUPPLY. AVOID DAMAGE TO CONTAINERS. KEEP AWAY FROM FIRE, SPARKS AND HEAT.

===== 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 D

UST, FUME AND MIST.

Ventilation:STORE & HANDLE ONLY IN WELL-VENTILATED AREAS.

Protective Gloves:RUBBER/ACID-RESISTANT WHEN FILLING.

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. LAUNDRY CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

HANDLE BATTERIES CAUTIOUSLY TO AVOID SPILLS. MAKE CERTAIN VENT CAPS ARE IN PLACE. AVOID CONTACT WITH INTERNAL COMPONENTS. WEAR PROTECTIVE CLOTHING WHEN FILLING OR HANDLING BATTERIES. MSDS FOR BATTERY WITH ELECTROLYTE CAN BE FOUND SAME NSN P/N "B", MSDS FOR ELECTROLYTE P/N "C".

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

HCC:N1

Boiling Pt:B.P. Text:>2516F,>138

Melt/Freeze Pt:M.P/F.P Text:486F,252C

Decomp Temp:Decomp Text:NOT GIVEN

Vapor Pres:NOT GIVEN

V

apor Density:NOT GIVEN

Spec Gravity:9.6-11.3

Evaporation Rate & Reference: