EXIDE CORP -- LEAD/ACID STORAGE BATTERY NSN:6140-00-057-2 -- 6140-00-057-2553
========== Product Identification ==========

Product ID:LEAD/ACID STORAGE BATTERY NSN:6140-00-057-2
MSDS Date:05/01/1991
FSC:6140
NIIN:00-057-2553
MSDS Number: BQXQY
=== Responsible Party ===
Company Name:EXIDE CORP
Address:645 PENN ST
City:READING
State:PA
ZIP:19612-4205
Country:US
Info Phone Num:215 378-0757
Emergency Phone Num:215-378-0757 800-424-9300(CHEMTREC)
CAGE:20038
=== Contractor Id
entification ===
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:NONE RECOMMENDED
OSHA PEL:0.05 MG/M3;1910.1025
ACGIH TLV:0.15 MG/M3;DUST 9293
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:ANTIMONY (SARA III)
CAS:7440-36-0
RTECS #:CC402

5000
Fraction by Wt: 2%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.5 MG/M3
ACGIH TLV:0.5 MG SB/M3; 9293
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 RECOMMENDED
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:CALCIUM, METAL
CAS:7440-70-2
RTECS #:EV8040000
Fraction by Wt: 0.2%
Other REC Limits:NONE RECOMMENDED

Ingred Name:TIN
CAS:7440-31-
5
RTECS #:XP7320000
Fraction by Wt: 0.2%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:2 MG/M3
ACGIH TLV:2 MG/M3; 9293

Ingred Name:SULFURIC ACID (SARA III)
CAS:7664-93-9
RTECS #:WS5600000
Fraction by Wt: 10-30%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3; 9293
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:POLYPROPYLENE IN CASE
CAS:9003-07-4
RTECS #:UD1842000
Other REC Limits:NONE RECOMMENDED

Ingred Name:POLYSTYRENE IN CASE
CAS:9003-53-6
RTECS #:WL6475000
Other R

EC Limits:NONE RECOMMENDED

Ingred Name:STYRENE ACRYLONITRILE IN CASE
CAS:9003-54-7
Other REC Limits:NONE RECOMMENDED

Ingred Name:ACRYLONITRILE BUTADIENE STYRENE IN CASE
CAS:9003-56-9
Other REC Limits:NONE RECOMMENDED

Ingred Name:STYRENE BUTADIENE IN CASE
CAS:9003-55-8
Other REC Limits:NONE RECOMMENDED

Ingred Name:POLYVINYLCHLORIDE IN CASE
CAS:9002-86-2
Other REC Limits:NONE RECOMMENDED

Ingred Name:POLYCARBONATE IN CASE
Other REC Limits:NONE RECOMMENDED

Ingred Name:HARD RUBBER IN CASE
Other
REC Limits:NONE RECOMMENDED

Ingred Name:SILICA, CRYSTALLINE - FUSED;SILICONE DIOXIDE IN CASE
CAS:60676-86-0
RTECS #:VV7328000
Other REC Limits:NONE RECOMMENDED
OSHA PEL:SEE TABLE Z3
ACGIH TLV:0.1 MG/M3 RDUST;9293

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

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 A
DDING
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 CARCINOGENIC. 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 AC

ID
IS THE MOST LIKELY EXPOSURE, PRODUCING IRRITATION OR BURNS TO THE BODY TISSUE CONTACTED.
Medical Cond Aggravated by Exposure:NONE

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

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 LAUNDER BEFORE REUSE. INHALED: REMOVE TO FRESH AIR . INGESTED:DO NOT INDUCE VOMITING. GIVE2 LARGE GLASSES OF MIL
K OR WATER AND GET IMMEDIATE MEDICAL CARE. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. IF IRRITATION PERSISTS OR IS SEVERE,SEE A DOCTOR.

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

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-APPR
OVED 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 DAMAGE. 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-APPRO

VED 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 Hyg
ienic Practices:USE GOOD INDUSTRIAL HYGIENE PRACTICE. AVOID ALL
CONTACT WITH ACID OR INTERNALS OF THE BATTERY.
Supplemental Safety and Health
PER RICK,AT EXIDE,7/2/93-THIS MSDS LISTS SULFURIC ACID AS AN
INGREDIENT.A DRY CHARGED BATTERY MAY HAVE ELECTROLYTE ADDED BEFORE
SHIPMENT,PER CUSTOMER'S REQUEST,BUT MOST OF THE TIME DRY CHARGED
BATTERI ES DO NOT CONTAIN ELECTROLYTE.

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

HCC:N1
Appearance and Odor:STORAGE BATT
ERY, 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 Methods: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.

competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.