

EXIDE CORP.-GENERAL BATTERY CORP -- DRY CHARGED BATTERY (NO ELECTROLYTE ADDED),MFD-70,9107 DE -- 6140-00-184-3415

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

Product ID:DRY CHARGED BATTERY (NO ELECTROLYTE ADDED),MFD-70,9107 DE

MSDS Date:04/01/1996

FSC:6140

NIIN:00-184-3415

MSDS Number: BZPFL

=== Responsible Party ===

Company Name:EXIDE CORP.-GENERAL BATTERY CORP

Address:645 PENN STREET

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:ENERSYS INC

Address:8306PATUXENT RANGE RS SUITE 103

Box:City:JESSUP

State:MD

ZIP:20794-8609

Country:US

Phone:301-381-8500 OR 215-378-0757

CAGE:90660

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); TOTAL PERCENTAGE OF INGREDIENTS
1, 2 AND 3: 92 - 93.

CAS:7439-92-1

RTECS #:OF7525000

Fraction by Wt: SEE ING

Other REC Limits:NONE RECOMMENDED

OSHA PEL:SEE 1910.1025

ACGIH TLV:0.15MG/M3 DUST; 9495

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:LEAD OXIDE (LITHARGE)

CAS:1317-36-8

RTECS #:OG1750000

Fraction by Wt: SEE # 1%

Other REC Limits:NONE RECOMMENDED

Ingred Name:LEAD SULFATE (SARA 313) (CERCLA)

CAS:7446-14-2

1%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:SEE 1910.1025
ACGIH TLV:0.15 MG(PB)/M3; 9495
EPA Rpt Qty:100 LBS
DOT Rpt Qty:100 LBS

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; 9495
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 19
10.1018
ACGIH TLV:0.01 MG/M3, A1; 9495
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; 9495

Ingred Name:CASE MATERIAL (POLYPROPYLENE, 9003-07-0 AND HARD RUBBER)
Fraction by Wt: 6 - 8%
Other REC Limits:NONE RECOMMENDED

===== Hazards Identi

fication =====

LD50 LC50 Mixture:NOT RELEVANT

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

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

Health Hazards Acute and Chronic:TARGET ORGANS:NONE. ACUTE- PRODUCT IS A DRY CHARGED BATTERY. NO HAZARD IS ANTICIPATED. HAZARDOUS EXPOSURE CAN OCCUR WHEN PRODUCT IS IN FIRE/BROKEN: LEAD COMPOUNDS MAY CAUSE EYE & RESPIRATORY IRRITATION. TOXIC IF INGESTED. CHRONIC- LEAD COMPOUNDS MAY CAUSE ANEMIA, KIDNEY DAMAGE, NERVE DAMAGE (WRIST DROP).

Explanation of Carcinogenicity:CONTAINS LEAD. ARSENIC IS LESS THAN 0.10 %.

Effects of Overexposure:NONE. IF IN FIRE OR BROKEN, DUST OR FUMES MAY CAUSE: IRRITATION, ANEMIA, ABDOMINAL PAIN, NAUSEA, VOMITING, CONSTIPATION, HEADACHE, FATIGUE, LOSS OF APPETITE, MUSCULAR ACHES AND WEAKNESS, SLEEP DISTURBANCES

Medical Cond Aggravated by Exposure:LEAD AND ITS COMPONENTS CAN AGGRAVATE SOME FORMS OF KIDNEY, LIVER AND NEUROLOGIC DISEASES.

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

First Aid:INHALATION - LEAD: REMOVE FROM EXPOSURE, GARGLE, WASH NOSE AND LIPS; CONSULT PHYSICIAN. INGESTION - LEAD: CONSULT PHYSICIAN IMMEDIATELY. SKIN - LEAD: WASH IMMEDIATELY WITH SOAP AND WATER. EYES - LEAD: FLUSH IMMEDIATELY WITH LARGE AMOUNT OF WATER FOR AT LEAST 15 MINUTES; CONSULT PHYSICIAN.

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

Flash Point:NOT RELEVANT

Lower Limits:4.1%HYDROGEN

Upper

Limits:74.2% (H2)

Extinguishing Media:BATTERY CASE WILL BURN. USE CARBON DIOXIDE, FOAM/DRY CHEMICAL EXTINGUISHER. WATER MAY CAUSE SPATTERING OF MOLTEN LEAD.

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

Unusual Fire/Explosion Hazard:MOLTEN METALS PRODUCE FUMES, VAPORS AND/OR DUST THAT MAY BE TOXIC AND/OR RESPIRATORY IRRITANTS.

===== Accidental

Release Measures =====

Spill Release Procedures:IF BROKEN, LEAD DUST OR PARTICULATE SHOULD BE VACUUMED (USING HEPA FILTER) OR WET-SWEPT. DO NOT DRY SWEEP OR USE FORCED AIR. PLACE IN DRY, CLOSED CONTAINER FOR DISPOSAL OR RECYCLING.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE BATTERIES IN COOL, DRY, WELL-VENTILATED AREAS, UNDER THE ROOF. SEPARATE FROM INCOMPATIBLE MAT

ERIALS. KEEP AWAY FROM HEAT, SPARKS AND FIRE.

Other Precautions:WASH HANDS BEFORE EATING OR DRINKING. KEEP OUT OF REACH OF CHILDREN. AVOID THE USE OF UNINSULATED TOOLS. DO NOT MAKE A CONNECTION BETWEEN THE TWO BATTERY TERMINALS AS SEVERE SPARKING MAY OCCUR WHICH COULD RESULT IN AN EXPLOSION.

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

Respiratory Protection:NONE REQUIRED. FOR DUST, FUME OR MIST, WEAR NIOSH-APPROVED RESPIRATOR OR SELF-CONTAINED BREATHING APPARATUS.

Ventilation:ADEQUATE

Protective Gloves:RUBBER GLOVES WHEN FILLING BATTERIES

Eye Protection:CHEMICAL GOGGLES WHEN FILLING BATTERIES

Other Protective Equipment:EYE WASH STATION, EMERGENCY SHOWER, COVERALL

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES.

Supplemental Safety and Health

FORMULA CHANGED. FOR PREVIOUS FORMULATIONS, SEE PNI A OR B, SAME NSN.

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

HCC:N1

NRC/State

Lic Num:NOT RELEVANT

Decomp Temp:Decomp Text:NOT KNOWN

Spec Gravity:NOT RELEVANT

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water:NOT RELEVANT

Appearance and Odor:PRODUCT IS A DRY CHARGED BATTERY.

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

Stability Indicator/Materials to Avoid:YES

LEAD COMPOUNDS: STRONG ACIDS, STRONG ALKALIS, HALIDES, HALOGENATES, POTASSIUM NITRATE, REDUCING AGENTS

Stability Condition to Avoid:PROLONGED OVERCHARGE, SOURCES OF IGNI

TION,
WATER

Hazardous Decomposition Products:TOXIC METAL FUMES, VAPOR OR DUST,
TOXIC ARSINE GAS

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE
AND FEDERAL REGULATIONS. MATERIAL SHOULD BE RECYCLED AT A SECONDARY
LEAD SMELTER.

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