

EXIDE CORP -- DRY CHARGED BATTERY (NO ELECTROLYTE ADDED) -- 6140-00-184-3415

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

Product ID:DRY CHARGED BATTERY (NO ELECTROLYTE ADDED)

MSDS Date:04/01/1996

FSC:6140

NIIN:00-184-3415

Status Code:A

MSDS Number: CJFSJ

=== 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:610-378-0500

Emergency Phone Num:215-378-0527

C

hemtre Ind/Phone:(800)424-9300

CAGE:20038

=== Contractor Identification ===

Company Name:CELL ENERGY INC

Address:3190-B ORANGE GROVE AVE

Box:City:NORTH HIGHLANDS

State:CA

ZIP:95660-5706

Country:US

Phone:916-484-7974

Contract Num:SP0430-98-M-JA71

CAGE:1U269

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) (C

ERCLA); TOTAL PERCENTAGE OF INGREDIENTS

1, 2 AND 3: 92 - 93.

CAS:7439-92-1

RTECS #:OF7525000

Minumum % Wt:92.

Maxumum % Wt:93.

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:ANTIMONY (SARA 313) (CERCLA)

CAS:7440-36-0

RTECS #:CC4025000

= Wt:.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

= Wt:0.

Other REC Limits:NONE RECOMMENDED

OSHA PEL:SEE 1910.1018

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

= Wt:.02

Other REC Limits:NONE RECOMMENDED

Ingred Name:TIN

CAS:7440-31-5

RTECS #:XP7320000

= Wt:.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)

Minumum % Wt:6.

Maxumum % Wt:8

Other REC Limits:NONE RECOMMENDED

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

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

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

Health Hazards Acute and Chronic:HAZARDOUS EXPOSURE CAN OCCUR ONLY WHEN PRODUCT IS HEATED ABOVE THE MELTING POINT, OXIDIZED OR OTHERWISE PROCESSED OR DAMAGED TO CREATE DUST, VAPOR OR FUME. INHALATION:DUST OR FUMES MAY CAUSE IRRITATION OF UPPER RESPIRATORY TRACT AND

LUNGS.INGESTION:MAY CAUSE ABDOMINAL PAIN. THIS MAY LEAD RAPIDLY TO SYSTEMIC TOXICITY AND MUST BE TREATED BY A PHYSICIAN. SKIN:NOT ABSORBED THROUGH THE SKIN. EYES:MAY CAUSE IRRITATION.

CHRONIC:ANEMIA, NEUROPATHY, PARTICULARLY OF THE MOTOR NERVES, WITH WRIST DROP; KIDNEY DAMAGE; REPRODUCTIVE CHANGES IN BOTH MALES AND FEMALES.

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

Effects of Overexposure:SYMPTOMS OF TOXICITY INCLUDE HEADACHE, FATIGUE, ABDOMINAL PAIN, LOSS OF APPETITE, MUSCULAR ACHES AND WEAKNESS, SLEEP DISTURBANCES AND IRRITABILITY.

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

===== 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 =====

Lower Limits:4.1%HYDROGEN

Upper Limits:74.2% (H2)

Extinguishing Media:CARBOND DIOXIDE, FOAM, DRY CHEMICAL.

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 H

azard:MOLTEN METALS PRODUCE FUMES, VAPORS  
AND/OR DUST THAT MAY BE TOXIC AND/OR RESPIRATORY IRRITANTS.  
FLAMMABLE HYDROGEN GAS IS GENERATED DURING CHARGING AND OPERATIONS.

===== 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.

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

Handling and Storage Precautions:STORE BATTERIES IN COOL, DRY,  
WELL-VENTILATED AREAS, UNDER THE ROOF. SEPARATE FROM INCOMPATIBLE  
MATERIALS. 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 UNDER NORMAL USE CONDITIONS. FOR  
DUST, FUME OR MIST, WEAR NIOSH-APPROVED RESPIRATOR OR  
SELF-CONTAINED BREATHING APPARATUS.

Ventilation:ADEQUATE

Protective Gloves:RUBBER OR PLASTIC ACID-RESISTANT GLOVES WHEN FILLING  
BATTERIES

Eye Protection:CHEMICAL GOGGLES WHEN FILLING BATTERIES

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

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

Supplemental Safety and Health  
NONE

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

HCC:Z7

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:>1380.C, 2516.F

B.P. Text:(760MMHG)

Melt/Freeze Pt:M.P/F.P Text:436 TO 630F

Decomp Temp:Decomp Text:NOT KNOWN

Spec Gravity:9.6 TO 11.3 (H2O=1)

Evaporation Rate & Reference: