

EXIDE CORP -- DRY BATTERY (NO ELECTROLYTE ADDED) -- 6140-01-116-7768

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Product Identification
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Product ID: DRY BATTERY (NO ELECTROLYTE ADDED)

MSDS Date: 04/01/1998

FSC: 6140

NIIN: 01-116-7768

Status Code: A

MSDS Number: CLKDF

=== 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: 610-378-0500

Preparer's Name: REGULATORY AFFAIRS

Chemtec Ind/Phone: (800)424-9300

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

Company Name: RPM SUPPLY CORP

Address: 5071 BRAND RD

Box: City: DUBLIN

State: OH

ZIP: 43017-8514

Country: US

Phone: 614-889-5533

Contract Num: SP0430-01-M-FD61

CAGE: 4T958

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Composition/Informati

on on Ingredients =====

Ingred Name:LEAD
CAS:7439-92-1
RTECS #:OF7525000
Minumum % Wt:92.
Maxumum % Wt:93.
ACGIH TLV:0.15 MG/M3
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:ANTIMONY
CAS:7440-36-0
RTECS #:CC4025000
= Wt:.2
OSHA PEL:0.5 MG/M3
ACGIH TLV:0.5 MG/M3
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:ARSENIC
CAS:7440-38-2
RTECS #:CG0525000
Minumum % Wt:0.
Maxumum % Wt:.01
ACGIH TLV:0.01 MG/M3
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:CALCIUM
CAS:7440-70-2
RTECS #:E
V8040000
= Wt:.02

Ingred Name:CASE MATERIAL: POLYPROPYLENE & HARD RUBBER
Minumum % Wt:6.
Maxumum % Wt:8.

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

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES
Health Hazards Acute and Chronic:ACUTE: (LEAD COMPOUNDS)SYMPTOMS OF
TOXICITY INCLUDE HEADACHE, FATIGUE, ABDOMINAL PAIN, LOSS OF
APPETITE, MUSCULAR ACHES AND WEAKNESS, SLEEP DISTURBANCES &
IRRITABILITY. CHRONIC: (LEAD COMPOUNDS) ANEMI A, NEUROPATHY,

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

Explanation of Carcinogenicity:LEAD COMPOUNDS: LISTED AS A 2B CARCINOGEN, LIKELY IN ANIMALS AT EXTREME DOSES. PROOF OF CARCINOGENICITY IN HUMANS IS LACKING AT PRESENT. ARSENIC: IS A LISTED CARCINOGEN BY OSHA, NTP & IARC.

Effects of Overexposure:LEAD COMPOUNDS: INHALATION-INHALATION OF DUST OR FUMES MAY CAUSE IRRITATION OF UPPER RESPIRATORY TRACT AND LUNGS.

INGESTION-ACUTE INGESTION MAY CAUSE ABDOMINAL PAIN, NAUSEA, VOMITING, DIARRHEA & SEVERE CRAMPING. THIS MAY LEAD RAPIDLY TO SYSTEMIC TOXICITY AND MUST BE TREATED BY A PHYSICIAN. SKIN-NOT ABSORBED THROUGH THE SKIN. EYE-MAY CAUSE EYE IRRITATION.

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

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

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

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

Extinguishing Media:ANY FIRE EXTINGUISHING MEDIA MAY BE USED. INORGANIC LEAD COMPOUND IS NOT A COMBUSTIBLE MATERIAL, NOR WILL IT EXPLODE UNDER CONDITIONS OF NORMAL USE.

Fire Fight

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

Unusual Fire/Explosion Hazard:AVOID RISK OF FIRE OR EXPLOSION, KEEP SPARKS OR OTHER SOURCES OF IGNITION AWAY FROM BATTERIES & DO NOT ALLOW METALLIC MATERIALS TO SIMULTANEOUSLY CONTACT NEGATIVE AND/OR POSITIVE TERMINALS OF CELLS & BATTERIES. FOLLOW MANUFACTURERS INSTRUCTIONS: INSTALL/SERVICE.

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===== Accidental Release Measures

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Spill Release Procedures:LEAD DUST OR PARTICULATE SHOULD BE VACUUMED (USING HEPA FILTER) OR WET-SWEPT; USING CONTROLS WHICH MINIMIZE FUGITIVE EMISSIONS; DO NOT USE COMPRESSED AIR. PLACE IN DRY, CLOSED CONTAINERS FOR DISPOSAL OR RECYCLING.

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Handling and Storage

Handling and Storage Precautions:STORE BATTERIES IN COOL, DRY, WELL-VENTILATED AREAS. BATTERIES SHOULD BE STORED UNDER ROOF FOR PROTECTION AGAINST ADVERSE WEATHER CONDITIONS. SEPERATE FROM INCOMPATIBLE MATERIALS. STORE/HANDLE ONLY IN AREAS WITH ADEQUATE WATER SUPPLY. AVOID DAMAGE TO CONTAINERS. KEEP AWAY FROM FIRE/,SPARKS/ HEAT.

Other Precautions:PRECAUTIONARY LABELLING: POISON - CAUSES SEVERE BURNS. LEAD COMPOUNDS: HAZARDOUS EXPOSURE CAN OCCUR ONLY WHEN PRODUCT IS HEATED ABOVE MELTING POINT, OXIDIZED OR OTHERWISE PROCESSED OR DAMAGED TO CREAT E DUST, VAPOR OR FUME.

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Exposure Controls/Personal Protection

Respiratory Protection:NONE REQUIRED UNDER NORMAL CONDITIONS.

Ventilation:STORE & HANDLE IN DRY, VENTILATED AREA.

Protective Gloves:RUBBER OR PLASTIC ACID-RESISTANT W/ ELBOW-LENGTH GAUNTLET WHEN FILLING BATTERY

Eye Protection:CHEMICAL GOGGLES OR FACE SHIELD WHEN FILLING OR HANDLING BATTERIES.

Other Protective Equipment:WEAR COVERALLS OR FULL-BODY COVERING DURING USE. WHEN FILLING BATTERIES USE ACID-RESISTANT APRON. UNDER SEVERE EXPOSURE OR EMERGENCY CONDITIONS, WEAR ACID-RESISTANT CLOTHING AND BOOTS.

Work Hygienic Practices:HANDLE BATTERIES CAUTIOUSLY TO AVOID SPILLS. MAKE CERTAIN VENT CAPS ARE ON SECURELY. AVOID CONTACT WITH INTERNAL COMPONENTS. WEAR PROTECTIVE CLOTHING WHEN FILLING OR HANDLING BATTERIES.

Supplemental Safety and Health

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Physical/Chemical Properties

HCC:N1

Boiling Pt:B.P. Text:(760MM HG)>2516F

Melt/Freeze Pt:M.P/F.P Text:486 TO 680F

Spec Gravity:9.6 TO 11.3(H2O=1)

Evaporation

Rate & Reference: