

EXIDE CORP -- DRY BATTERY (NO ELECTROLYTE ADDED) -- 6140-01-431-1172

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

Product ID: DRY BATTERY (NO ELECTROLYTE ADDED)

MSDS Date: 04/01/1998

FSC: 6140

NIIN: 01-431-1172

Status Code: A

MSDS Number: CJFWH

=== 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 EXIDE

Chemtrec 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: EXIDE CORP (319-378-0789)

Address: GRANT ST RR 1

Box: UNKNOWN

City: MANCHESTER

State: PA

ZIP: 52057

Country: US

Phone: 319-927-4501/FAX 319-927-5701

Contract Num: DAAE0798CT264

CAGE: 0RML3

===== Composition/Information 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
= Wt:0.
ACGIH TLV:0.01 MG/M3
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:CALCIUM
CAS:7440-70
-2
RTECS #:EV8040000
= Wt:.02

Ingred Name:TIN
CAS:7440-31-5
RTECS #:XP7320000
= Wt:.06
ACGIH TLV:2 MG/M3

Ingred Name:POLYPROPYLENE
CAS:9003-07-0
RTECS #:UD1842000
Minumum % Wt:6.
Maxumum % Wt:8.

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

Reports of Carcinogenicity:NTP:UNKNOWN IARC:YES
Health Hazards Acute and Chronic:HAZARDOUS EXPOSURE CAN OCCUR ONLY WHEN
PRODUCT IS HEATED ABOVE THE MELTHING POINT, OXIDIZED OR OTHERWISE
PROCESSED OR DAMAGED TO CREATE DUST,

VAPOR OR FUME. INHALATION:LEAD
DUST OR FUMES MAY CAUSE IRR ITATION OF UPPER RESPIRATORY TRACT &
LUNGS. INGESTION:ACUTE INGESTION MAY CAUSE ABDOMINAL PAIN, NAUSEA,
VOMITING, DIARRHEA AND SEVERE CRAMPING. MAY LEAD TO SYSTEMIC
TOXICITY & MUST BE TREATED BY A PHY SICIAN. SKIN:NOT ABSORBED
THROUGH SKIN. EYES:MAY CAUSE IRRITATION.

Explanation of Carcinogenicity:LEAD IS LIISTED AS A 2B CARCINOGEN,
LIKELY IN ANIMALS AT EXTREME DOSES. PROOF OF CARCINOGENICITY IN
HUMANS IS LAC
KING AT PRESENT.

Effects of Overexposure:ACUTE- LEAD COMPOUNDS: SYMPTOMS OF TOXICITY
INCLUDE HEADACHE, FATIGUE, ABDOMINAL PAIN, LOSS APPETITIE, MUSCULAR
ACHES AND WEAKNESS, SLEEP DISTURBANCES AND IRRITABILITY. CHRONIC-
LEAD COMPOUNDS: ANEMI A; NEUROPATHY, PARTICULARLY OF THE MOTOR
NERVES, WITH WRIST DROP; REPRODUCTIVE CHANGES IN BOTH MALES AND
FEMALES.

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

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

First Aid: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 L ARGE AMOUNTS OF WATER FOR AT LEAST 15 MIN;
CONSULT PHYSICIAN.

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

Lower Limits:N/APPLICABLE
Upper Limits:N/APPLICABLE

Extinguishin
g Media:ANY FIRE EXTINGUISHING MEDIA MAY BE USED.

Fire Fighting Procedures:WEAR FULL BODY PROTECTIVE CLOTHING AND SCBA
WITH POSITIVE PRESSURE AND FULL FACE PIECE.

Unusual Fire/Explosion Hazard:TO AVOID RISK OF FIRE OR EXPLOSION, KEEP
SPARKS OR OTHER SOURCES OF IGNITION AWAY FROM BATTERIES. DON'T
ALLOW METALS TO SIMULTANEOUSLY CONTACT BOTH TERMINALS OF CELLS AND
BATTERIES. MOLTEN METALS PROD UCE FUME, VAPOR AND/OR DUST THAT MAY
BE TOXIC AND/OR RESPIRATORY IRRITANTS.

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===== Accidental Release Measures =====

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

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

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

Other Precautions:POISON- CAUSES SEVERE BURNS.

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

Respiratory Protection:NONE REQUIRED UNDER NORMAL CONDITIONS.

Ventilation:STORE AND HANDLE IN DRY, VENTILATED AREA.

Protective Gloves:WEAR RUBBER/PLASTIC AC ID-RESISTANT GLOVE

W/ELBOW-LENGTH GAUNTLET TO FILL BATT

Eye Protection:CHEMICAL GOGGLES OR FACE SHIELD WHEN FILL OR HANDLING BATTERIES

Other Protective Equipment:WEAR COVERALLS OR FULL-BODY COVERING DURING USE. WHEN FILL BATT USE ACID-RESISTANT APRON. UNDER SEVERE EXPO OR EMERGENCY CONDS, 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 COMPONENT

S. WEAR PROTECTIVE CLOTHING WHEN FILLING OR HANLING BATTERIES.

Supplemental Safety and Health

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

HCC:N1

Boiling Pt:>1380.C, 2516.F

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

Spec Gravity:9.6 TO 11.3 (H2O=1)

Evaporation Rate & Reference: