

DRY CHARGE BATTERY

MSDS Number

BSBCM

National Stock Number

6140-00-185-6714

Product Name

DRY CHARGE BATTERY

Manufacturer

EXIDE CORP

Product Identification

Product ID: DRY CHARGE BATTERY

MSDS Date: 09/01/1993

FSC: 6140

NIIN: 00-185-6714

MSDS Number: BSBCM

Responsible Party

EXIDE CORP

645 PENN ST

READING , PA 19612-4205

US

Emergency Phone: 215-378-0798

Info Phone: 215-378-0798

Cage: 20038

Contractor

JOINT AND CLUTCH SVC INC. DIV OF MIDWAY

UNKNOWN

READING, PA 19601

US

215-378-0527/800-424-9300(CHEMTREC)

Cage: 5P322

Ingredients

LEAD (SARA III)

CAS: 7439-92-1

RTECS: OF7525000

Fraction By Weight: 53% %

OSHA PEL0.05 MG/M3;1910.1025

ACGIH TLV: 0.15 MG/M3;DUST 9293

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

ANTIMONY (SARA III)

CAS: 7440-36-0

RTECS: CC4025000

Fraction By Weight: 0.2% %

OSHA PEL0.5 MG/M3

ACGIH TLV: 0.5 MG SB/M3; 9293

EPA Report Quantity: 5000 LBS

DOT Report Quantity: 5000 LBS

ARSENIC (SARA III)

CAS: 7440-38-2

RTECS: CG0525000

Fraction By Weight: 0.003% %

OSHA PEL0.5 MG/M3 (AS)

ACGIH TLV: 0.01,A1 MG/M3; 9394

EPA Report Quantity: 1 LB

DOT Report Quantity: 1 LB

CALCIUM, METAL

CAS: 7440-70-2

RTECS: EV8040000

Fraction By Weight: 0.02% %

TIN

CAS: 7440-31-5

RTECS: XP7320000

Fraction By Weight: 0.05% %

OSHA PEL2 MG/M3

ACGIH TLV: 2 MG/M3; 9293

POLYPROPYLENE RUBBER

CAS: 9003-07-0

Fraction By Weight: 5-6% %

Hazards

LD50 LC50 Mixture:150 UG/M3 ACGIH TLV FOR LEAD

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

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES

Health Hazards Acute and Chronic:HAZARDOUS EXPOSURE TO LEAD COMPOUNDS CAN OCCUR ONLY WHEN PRODUCT IS HEATED, OXIDIZED OR OTHERWISE PROCESSED OR DAMAGED TO CREATE DUST, VAPOR OR FUME. INHALATION OF LEAD DUST MAY CAUSE RESPIRATORY TRAC T IRRITATION. INGESTION MAY CUASE GASTROINTESTINAL DISTURBANCES. MAY CAUSE EYE IRRITATION.

Explanation of Carcinogenicity:CONTAINS INORGANIC ARSENIC [7440-38-2] AND LEAD WHICH ARE LISTED BY NTP AND IARC AND REGULATED BY OSHA AS CARCINOGENS.

Effects of Overexposure:ACUTE: HEADACHE, FATIGUE, ABDOMINAL PAIN, LOSS OF APPETITE, MUSCULAR ACHES AND WEAKNESS, SLEEP DISTURBANCES AND IRRITABILITY. CHRONIC: ANEMIA, NEUROPATHY--PARTICULARLY OF THE MOTOR NERVES WITH WRIST D ROP, KIDNEY DAMAGE, 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 DISEASES.

First Aid

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
LARGE AMOUNTS OF WATER FOR 15 MINUTES. CONSULT PHYSICIAN.

Fire Fighting

Flash Point:NONFLAMMABLE
Lower Limits:4.1 % (H2)
Upper Limits:74.2% (H2)
Extinguishing Media:CARBON DIOXIDE, FOAM, DRY CHEMICAL
Fire Fighting Procedures:WEAR FULL BODY PROTECTIVE CLOTHING AND SELF-
CONTAINED BREATHING APPARATUS WITH POSITIVE PRESSURE AND FULL
FACEPIECE.
Unusual Fire/Explosion Hazard:HIGHLY FLAMMABLE HYDROGEN GAS (H2) IS
GENERATED DURING CHARGING AND OPERATION. TO AVOID RISK, KEEP
IGNITION SOURCES AWAY FROM BATTERIES.

Accidental Release

Spill Release Procedures:LEAD DUST SHOULD BE VACUUMED OR WET-SWEPT. USE
CONTROLS WHICH MINIMIZE
Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

Handling

Handling and Storage Precautions:STORE BATTERIES IN COOL, DRY,
WELL-VENTILATED AREAS WITH IMPERVIOUS SURFACES AND ADEQUATE
CONTAINMENT IN THE EVENT OF SPILLS.
Other Precautions:BATTERIES SHOULD BE STORED UNDER ROOF FOR PROTECTION
AGAINST ADVERSE WEATHER CONDITIONS. SEPARATE FROM INCOMPATIBLE
MATERIALS. STORE AND HANDLE ONLY IN AREAS WITH ADEQUATE WATER
SUPPLY AND SPILL CONTROL. AVOID DAMAGE TO CONTAINERS.

Exposure Controls

Respiratory Protection:NONE REQUIRED UNDER NORMAL CONDITIONS.
Ventilation:STORE AND HANDLE IN WELL-VENTILATED AREA.
Protective Gloves:RUBBER OR PLASTIC ACID-RESISTANT
Eye Protection:CHEMICAL GOGGLES/FACE SHIELD
Other Protective Equipment:COVERALLS OR FULL-BODY COVERING DURING USE.
WHEN FILLING BATTERIES USE ACID RESISTANT APRON.
Work Hygienic Practices:HANDLE BATTERIES CAUTIOUSLY TO AVOID SPILLS.
MAKE CERTAIN VENT CAPS ARE ON SECURELY. AVOID CONTACT WITH INTERNAL
PARTS.
Supplemental Safety and Health
DO NOT ALLOW METALLIC MATERIALS TO SIMULTANEOUSLY CONTACT NEGATIVE AND
POSITIVE TERMINALS OF CELLS AND BATTERIES. FOLLOW MANUFACTURER'S
INSTRUCTIONS FOR INSTALLATION AND SERVICE.

Chemical Properties

HCC:N1
Boiling Pt:B.P. Text:>2516F,>138
Melt/Freeze Pt:M.P/F.P Text:NOT GIVEN
Vapor Pres:NOT GIVEN
Vapor Density:NOT GIVEN
Spec Gravity:9.6 TO 11.3
Evaporation Rate & Reference:NIL
Solubility in Water:NEGLIGIBLE
Appearance and Odor:BLuish GRAY METAL; NO APPARENT ODOR
Percent Volatiles by Volume:0 %

Stability

Stability Indicator/Materials to Avoid:YES
STRONG ACIDS, BASES, HALIDES, HALOGENATES, POTASSIUM NITRATE,
PERMANGANATE, PEROXIDES, REDUCING AGENTS, NASCENT HYDROGEN
Stability Condition to Avoid:PROLONGED OVERCHARGE, SOURCES OF IGNITION
Hazardous Decomposition Products:TOXIC METAL FUME/VAPOR/DUST; CONTACT

WITH STRONG ACID IN PRESENCE OF NASCENT HYDROGEN MAY GENERATE ARSINE GAS.

Disposal

Waste Disposal Methods: SEND SPENT BATTERIES TO SECONDARY LEAD SMELTER FOR RECYCLING. PLACE NEUTRALIZED SLURRY INTO SEALED CONTAINERS AND DISPOSE OF AS HAZARDOUS WASTE AS APPLICABLE. WASTE SHOULD BE MANAGED IN ACCORDANCE WITH APPROVED LOCAL, STATE AND FEDERAL REQUIREMENTS.

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