



SAFETY DATA SHEET

EFFECTIVE January, 2013

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U.S. BATTERY MFG. CO.
1675 SAMPSON AVE
CORONA, CA. 92879-1889

U.S. BATTERY MFG. CO.
1895 TOBACCO RD.
AUGUSTA, GA. 30906

U.S. BATTERY MFG. CO.
717 N. BELAIR RD.
EVANS, GA. 30809

TRANSPORTATION EMERGENCY NO:

INFOTRAC: (800) 535-5053 / INT'L (352) 323-3500

24 Hr. Emergency Response - Contract No. 78780 Addr: 200 N. Palmetto St. Leesburg, Fl. 34748

GENERAL INFORMATION NO:

SAFETY DEPT. (951) 371-8090

SECTION I

PRODUCT NAME: BATTERY, DRY - UNFORMED

CHEMICAL NAME: LEAD / ACID STORAGE BATTERY

CHEMICAL FAMILY: TOXIC MATERIAL

FORMULA: LEAD / LEAD OXIDE

SECTION II

HAZARD IDENTIFICATION

MATERIALS

LEAD / LEAD OXIDE

CAS NUMBER

7439-92-1

PERCENT

60

TLV (units)

0.05 mg/m³

ANTIMONY ALLOY

7440-36-0

1-5

0.5 mg/m³

ARSENIC

7440-38-2

LESS THAN .01%

.01 mg/m³

SULFURIC ACID

7664-93-9

0%

0%

GHS PICTOGRAM



NFPA LABEL

DANGER

CORROSIVE

IRRITANT

LEAD

SECTION III

PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING POINT:

N/A

VAPOR PRESSURE (mm Hg):

N/A

VAPOR DENSITY (air = 1):

N/A

SOLUBILITY IN WATER:

10-20 MG. PER LITER

PERCENT, VOLATILE BY VOLUME(%):

0%

EVAPORATION RATE:

0

APPEARANCE AND ODOR: NONE

SECTION IV

HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE:

SEE SECTION II

EFFECTS OF OVEREXPOSURE:

EYES: IRRITATION

SKIN: IRRITATION

INHALATION: BREATHING OF OXIDE DUST

MAY CAUSE RESPIRATORY DAMAGE.

SECTION IV (cont.)

INGESTION: CAN LEAD TO BOTH ACUTE AND CHRONIC SYSTEMIC HEALTH EFFECTS

EMERGENCY AND FIRST AID PROCEDURES:

EYES: WASH WITH COPIOUS

QUANTITIES OF RUNNING WATER

SEEK MEDICAL ATTENTION FOR ALL EXPOSURE EMERGENCIES

SKIN: WASH WITH SOAP AND WATER

INGESTION: INDUCE VOMITING

SECTION V**FIRE AND EXPLOSION HAZARD DATA - FIRE FIGHTING MEASURES**

FLASH POINT: N/A

FLAMMABLE LIMITS: Lel 0% Uel 0%

EXTINGUISHING MEDIA: HALON OR DRY CHEMICAL EXTINGUISHER

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

VENTILATE CHARGING AREAS:

WELL VENTILATED AREAS RECOMMENDED

SECTION VI**ACCIDENTAL SPILL OR RELEASE PROCEDURES**

PRODUCT CONTAINS DRY PLATES. NO LEAKAGE IS EXPECTED UNDER NORMAL CONDITIONS AND TRANSPORTATION. IN CASE OF ACCIDENTAL SPILLAGE OF PLATES, DUST AND LEAD COMPOUNDS SHOULD BE CONTAINED. PARTICULATE MATTER SHOULD STORED IN A DRY CONTAINER AND DISPOSED IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS FOR LEAD PRODUCTS. DO NOT USE COMPRESSED AIR OR DRY SWEEPING AS A MEANS OF CLEANING. VACUUMING IS RECOMMENDED.

WASTE DISPOSAL METHOD: IN ACCORDANCE WITH EXISTING REGULATIONS.

SECTION VII**SAFE HANDLING AND STORAGE**

RESPIRATORY PROTECTION: USE HEPA RESPIRATORS WHEN LEAD DUST IS PRESENT.

VENTILATION: N/A

PROTECTIVE GLOVES: RUBBER GLOVES SHOULD BE WORN WHEN HANDLING.

EYE PROTECTION: SAFETY GLASSES

OTHER PROTECTIVE EQUIPMENT: RUBBER OR PLASTIC APRON

WHEN HANDLING AND STORING, KEEP AWAY FROM FLAMES DURING AND IMMEDIATELY AFTER CHARGING.

AVOID PROLONGED OVERCHARGING

THOROUGHLY WASH HANDS WITH SOAP AND WARM WATER

SECTION VIII**EXPOSURE CONTROLS/PERSONAL PROTECTION****MATERIALS**

LEAD / LEAD OXIDE

ANTIMONY ALLOY

ARSENIC

SULFURIC ACID

TLV (units)

0.05 mg/m³

0.5 mg/m³

.01 mg/m³

0%

LEAD / LEAD OXIDE

ANTIMONY ALLOY

ARSENIC

SULFURIC ACID

PEL's (units)

50 mg/m³

2 mg/m³

0.01 mg/m³

N/A

SECTION VIII (cont.)

RESPIRATORY PROTECTION: WHERE ENGINEERING AND WORK PRACTICE CONTROLS DO NOT REDUCE EMPLOYEE EXPOSURE TO OR BELOW THE 50 ug/m³ PERMISSIBLE EXPOSURE LIMIT, THE EMPLOYER SHALL SUPPLEMENT THESE CONTROLS WITH WITH RESPIRATORS IN ACCORDANCE WITH APPLICABLE REGULATIONS.

HAND PROTECTION: LATEX AND/OR NITRILE UNLINED RUBBER GLOVES WITH AT LEAST A 20 MIL, 12" IN LENGTH.

EYE PROTECTION: NIOSH SAFETY APPROVED GLASSES WITH SIDE SHIELDS, OR PROTECTIVE GOGGLES OR FACE SHIELD RECOMMENDED.

OTHER PROTECTIVE EQUIPMENT: RUBBER OR PLASTIC APRON, STEEL TOED BOOTS/SHOES

SECTION IX

PHYSICAL / CHEMICAL CHARACTERISTICS

VAPOR DENSITY (air = 1): N/A
SOLUBILITY IN WATER: 10-20 MG. PER LITER
PERCENT, VOLATILE BY VOLUME(%): 0%
EVAPORATION RATE: 0
APPEARANCE AND ODOR: NONE

SECTION X

REACTIVITY DATA

STABILITY: H-3,F-0,S-W,R-0 STABLE UNDER NORMAL CONDITIONS
CONDITIONS TO AVOID: AVOID DISMANTLING AND EXPOSURE TO INTERNAL COMPONENTS.
INCOMPATIBILITY: NONE
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

SECTION XI

TOXICOLOGICAL INFORMATION

ROUTES OF EXPOSURE:

- EYES:** SEVERE BURNS, CORNEA DAMAGE AND BLINDNESS.
- SKIN:** SEVERE IRRITATION, BURNING AND ULCERATION.
- INHALATION:** BREATHING OF VAPORS OR MIST MAY CAUSE RESPIRATORY DAMAGE.
- INGESTION:** BURNS TO MOUTH, THROAT AND INTESTINAL TRACT.

ACUTE EFFECTS: DECREASED APPETITE, INSOMNIA, HEADACHE MUSCLE AND JOINT PAIN, COLIC, CONSTIPATION

CHRONIC EFFECTS: WEAKNESS, WEIGHT LOSS, NAUSEA, VOMITING, CONSTIPATION, BLUE OR BLACK DOT LIKE PIGMENTATION ON THE GUMS (lead line), SEVERE HEADACHES, ABDOMINAL CRAMPS, DELIRIUM, CONVULSIONS, COMA

WARNING: PROPOSITION 65

LEAD AND IT'S COMPOUNDS ARE CHEMICALS KNOW TO THE STATE OF CALIFORNIA TO CAUSE REPRODUCTIVE HARM TO BOTH MALES AND FEMALES AND TO CAUSE BIRTH DEFECTS.

TOXICITY DATA: LEAD: NO DATA AVAILABLE

REPRODUCTIVE TOXICITY: LEAD IS KNOWN TO CAUSE BIRTH DEFECTS IN HUMANS AND ANIMALS

WARNING: CARCINOGENIC TO HUMANS (IARC - INTERNATIONAL AGENCY FOR RESEARCH ON CANCER).

WARNING: PROPOSITION 65

LEAD AND IT'S COMPOUNDS ARE CHEMICALS KNOW TO THE STATE OF CALIFORNIA TO CAUSE REPRODUCTIVE HARM TO BOTH MALES AND FEMALES AND TO CAUSE BIRTH DEFECTS.

DOT SHIPPING NAME: **BATTERIES, DRY - UNFORMED**
IDENTIFICATION NUMBER: N/A
HAZARD CLASS: N/A
SHIPPING LABELS: NONE REQUIRED
PLACARD (when required) NONE REQUIRED

SECTION XII

ECOLOGICAL INFORMATION

LEAD IS VERY TOXIC TO AQUATIC ORGANISMS, MAY CAUSE LONG-TERM ADVERSE EFFECTS IN THE AQUATIC ENVIRONMENT. PREVENT SPILLAGE FROM ENTERING DRAINS OR WATER WAYS.

SECTION XIII

DISPOSAL CONSIDERATIONS

U.S. E.P.A. DEPARTMENT OF TRANSPORTATION, AND/OR STATE AND LOCAL REGULATIONS SHALL BE FOLLOWED TO ASSURE THAT REMOVAL, TRANSPORT, AND DISPOSAL ARE IN ACCORDANCE WITH EXISTING REGULATIONS.

HAZARDOUS MATERIALS TRANSPORTERS LICENSE
MCS-90 ENDORSEMENT

SECTION XIV

TRANSPORT INFORMATION

DOT SHIPPING NAME: **BATTERIES, DRY - UNFORMED**
IDENTIFICATION NUMBER: NA
HAZARD CLASS: NA
SHIPPING LABELS: NONE REQUIRED
PLACARD (when required) NONE REQUIRED



SECTION XV

REGULATORY INFORMATION

TSCA REGISTRY
CALIFORNIA PROP. 65 WARNING
SARA TITLE III
FEDERAL CARRIER ACCIDENT REGISTRY
CALIFORNIA MOTOR CARRIER PERMIT
HAZARDOUS MATERIALS TRANSPORTERS LICENSE
MCS-90 ENDORSEMENT

SECTION XVI

OTHER INFORMATION

SDS ORIGNALLY PREPARED: 09/10/2013
SDS LAST REVISED: 10/16/2013 (SECTIONS 11-16)

FOR FURTHER GUIDANCE IN CHANGES TO THIS SDS, PLEASE CONTACT US BATTERY MFG. CO. SAFETY OFFICE (951) 371-8090.M-F 6:00AM - 2:00PM

END

rev.10/16/2013

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