

**MATERIAL SAFETY DATA SHEET**

EFFECTIVE SEPTEMBER, 2003

U.S. BATTERY MFG. CO.
1675 SAMPSON AVE
CORONA, CA. 91719-1889

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

U.S. BATTERY MFG. CO.
653 INDUSTRIAL PARK DR.
EVANS, GA. 30809

TRANSPORTATION EMERGENCY NO:
INFOTRAC (800) 535-5053 / INT'L (352) 323-3500

GENERAL INFORMATION NO:
SAFETY DEPT. (909) 371-8090

SECTION I

PRODUCT NAME: BATTERY, DRY - NO ELECTROLYTE
CHEMICAL NAME: LEAD-ACID ELECTRIC STORAGE BATTERY - DRY
CHEMICAL FAMILY: LEAD AND LEAD OXIDE COMPONENTS
FORMULA: NOT APPLICABLE.

SECTION II

MATERIALS	CAS NUMBER	PERCENT	TLV (units)
LEAD / LEAD OXIDE	7439-92-1	90%	0.05 mg/m3
ANTIMONY ALLOY	7440-36-0	1-5%	0.5 mg/m3
ARSENIC	7440-38-2	< 1%	0.2 mg/m3
SULFURIC ACID	7664-93-9	0%	0%

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**FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT: N/A
FLAMMABLE LIMITS: Lel 0 Uel 0
EXTINGUISHING MEDIA: HALON OR DRY CHEMICAL EXTINGUISHER
UNUSUAL FIRE AND EXPLOSION HAZARDS: BATTERY COMPONENTS DO NOT BURN.
EXTINGUISH FIRE WITH AGENT SUITABLE FOR SURROUNDING COMBUSTIBLE MATERIAL.
DO NOT ALLOW RUNOFF TO ENTER SEWERS OR WATERWAYS.

SECTION V**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.
INGESTION: CAN LEAD TO BOTH ACUTE AND
CHRONIC SYSTEMIC HEALTH EFFECTS

SECTION V (continued)

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 VI**REACTIVITY DATA**

STABILITY:	STABLE UNDER NORMAL CONDITIONS
CONDITIONS TO AVOID:	AVOID DISMANTLING AND EXPOSURE TO INTERNAL COMPONENTS.
INCOMPATIBILITY:	NONE
HAZARDOUS POLYMERIZATION:	WILL NOT OCCUR

SECTION VII**SPILL OR LEAK 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.

SECTION VIII**SPECIAL PROTECTION INFORMATION**

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:	N/A

SECTION IX**SPECIAL PRECAUTIONS**

NO SPECIAL HANDLING IS REQUIRED UNDER NORMAL CONDITIONS.

TRANSPORTATION INFORMATION

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

PROPOSITION 65**WARNING:**

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.