



## MATERIAL SAFETY DATA SHEET

EFFECTIVE JANUARY, 2012

**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 BELAIR RD.**  
**EVANS, GA. 30809**

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

GENERAL INFORMATION NO:  
 SAFETY DEPT. (951) 371-8090

### SECTION I

PRODUCT NAME: BATTERY, WET, FILLED WITH ACID  
 CHEMICAL NAME: LEAD / ACID STORAGE BATTERY  
 CHEMICAL FAMILY: TOXIC AND CORROSIVE MATERIAL  
 FORMULA: LEAD / ACID

### SECTION II

MATERIALS	CAS NUMBER	PERCENT	TLV (units)
LEAD / LEAD OXIDE	7439-92-1	43 to 70	0.05 mg/m <sup>3</sup>
ANTIMONY ALLOY	7440-36-0	.4 to 1.25	0.5 mg/m <sup>3</sup>
ARSENIC	7440-38-2	LESS THAN .01%	.01 mg/m <sup>3</sup>
SULFURIC ACID	7664-93-9	20-44	1.0 mg/m <sup>3</sup>

### SECTION III

#### PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING POINT: APPOX. 203°F  
 VAPOR PRESSURE (mm Hg): 10@18°F  
 VAPOR DENSITY (air = 1): N/A  
 SOLUBILITY IN WATER: 100%  
 PERCENT, VOLATILE BY VOLUME(%): 10-30%  
 SPECIFIC GRAVITY: 1.145 TO 1.345  
 EVAPORATION RATE: <1.0  
 APPEARANCE AND ODOR: CLEAR LIQUID, PUNGENT ODOR (SHARP PENETRATING ODOR)

### SECTION IV

#### FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: N/A  
 FLAMMABLE LIMITS: Lel 4.0% Uel 74.2%  
 EXTINGUISHING MEDIA: HALON OR DRY CHEMICAL EXTINGUISHER  
 UNUSUAL FIRE AND EXPLOSION HAZARDS:  
 HYDROGEN GAS AND SULFURIC ACID VAPORS ARE GENERATED UPON OVERCHARGE.  
 VENTILATE CHARGING AREAS.

### SECTION V

#### HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: SEE SECTION II  
 EFFECTS OF OVEREXPOSURE: EYES: SERVE BURNS, CORNEA DAMAGE AND BLINDNESS.  
 SKIN: SERVE IRRITATION, BURNING AND ULCERATION.  
 INHALATION: BREATHING OF VAPORS OR MIST MAY CAUSE RESPIRATORY DAMAGE.  
 INGESTION: BURNS TO MOUTH, THROAT AND INTESTINAL TRACT.