

MSDS
INSTALLED IN WINDSOR CHARIOT

FLOOR MACHINE IN JAN. OF 2012 - LOWER FORUM



MATERIAL SAFETY DATA SHEET

EFFECTIVE SEPTEMBER, 2005

U.S. BATTERY MFG. CO.
1676 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, 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	60	0.05
ANTIMONY ALLOY	7440-36-0	1-5	0.5
ARSENIC	7440-38-2	LESS THAN 1%	LESS THAN 1%
SULFURIC ACID	7664-93-9	10-30	10-30

SECTION III

PHYSICAL / CHEMICAL CHARACTERISTICS

BOILING POINT: APPROX. 203°F
VAPOR PRESSURE (mm Hg): 10@18°F
VAPOR DENSITY (air = 1): LESS THAN 1
SOLUBILITY IN WATER: 100%
PERCENT, VOLATILE BY VOLUME(%): 10-30%
EVAPORATION RATE: -1
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.

SECTION V (continued)

EMERGENCY AND FIRST AID PROCEDURES:

EYES: WASH WITH COPIOUS
QUANTITIES OF RUNNING WATER
FOR 15 MINUTES.

SEEK MEDICAL ATTENTION
FOR ALL EXPOSURE EMERGENCIES

SKIN: FLUSH AREAS WITH RUNNING
WATER FOR 15 MINUTES.

INGESTION: GIVE MILK OR DRINK.
DO NOT INDUCE VOMITING.

SECTION VI

REACTIVITY DATA

STABILITY: U-3,F-0,S-2,R-W UNSTABLE

CONDITIONS TO AVOID: AVOID OVERCHARGING AND SMOKING IN THE VICINITY OF
CHARGING BATTERIES. AVOID SPARKS. POOR VENTILATION
INCOMPATIBILITY: WATER: MAY CAUSE ELECTRIC SHOCK AND REACTION.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

SECTION VII

SPILL OR LEAK PROCEDURES

IF MATERIAL IS RELEASED OR SPILLED TAKE THE FOLLOWING ACTIONS:
CONTAIN SPILLED MATERIAL, WASH WITH WATER OR NEUTRALIZE WITH SODIUM
CARBONATE OR BICARBONATE.

WASTE DISPOSAL METHOD: DISPOSE HAS GENERAL WASTE

SECTION VIII

SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: SULFURIC ACID MIST / HALF MASK RESPIRATOR WITH ACID
MIST FILTERS.

VENTILATION: LOCAL EXHAUST PREFERRED
MECHANICAL ACCEPTABLE AT 1 TO 4 CHANGES / PER / HOUR

PROTECTIVE GLOVES: LATEX / RUBBER GLOVES

EYE PROTECTION: GOGGLES OR FACE SHIELD

OTHER PROTECTIVE EQUIPMENT: RUBBER OR PLASTIC APRON

SECTION IX

SPECIAL PRECAUTIONS

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

AVOID PROLONGED OVERCHARGING.

TRANSPORTATION INFORMATION

DOT SHIPPING NAME: BATTERIES, WET FILLED WITH ACID, ELECTRIC STORAGE

IDENTIFICATION NUMBER: UN 2794

HAZARD CLASS: 8

SHIPPING LABELS: CORROSIVE

PLACARD (when required) CORROSIVE

PROPOSITION 65

WARNING:

LEAD AND ITS COMPOUNDS ARE CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO
CAUSE REPRODUCTIVE HARM TO BOTH MALES AND FEMALES AND TO CAUSE BIRTH
DEFECTS.