



MATERIAL SAFETY DATA SHEET

VALVE-REGULATED LEAD ACID BATTERY

Revision Date; December, 2006

SECTION I: PRODUCT INFORMATION

Product: Battery, Electric Storage, Non-Spillable, Non-Regulated
Manufacturer: Jupiter Batteries, Inc., PO Box 842397, Houston TX 77284
1-866-608-2626 (24 Hours)
www.jupiterbatteries.com

SECTION II: HAZARDOUS COMPONENTS

	CAS No.	OSHA PEL	ACGIH TLV	WEIGHT
Lead	7439921	.05 mg/m ³	.05 mg/m ³	70%
Sulfuric Acid	7664939	1.0 mg/m ³	1.0 mg/m ³	20%

SECTION III: PHYSICAL/CHEMICAL PROPERTIES

Electrolyte (Sulfuric Acid) Appearance and Odor: Clear, Odorless
Specific Gravity: ~1.30 Water Solubility: 100%
Boiling Point: 460°F Vapor Pressure: 13.8 mmHg @77°F
Vapor Density: >1.0 Corrosive
This battery and its contents are stable.

SECTION IV: FIRE AND EXPLOSION DATA

Hydrogen gas may be released during charging.
Flash Point (Hydrogen): -434°F
Flammable Limits (Hydrogen): 4% (LEL), 74% (UEL)
Extinguishing Media: Class ABC Extinguisher, Foam, CO₂
NFPA Rating: 2-0-1-X
Contact between Sulfuric Acid and flammables/combustibles can cause a fire/explosion.
Sulfuric Acid will react violently with strong reducing agents, metals, water and strong oxidizers.

SECTION V: HEALTH HAZARDS

Under normal use, this battery remains sealed and recombinant and requires no water addition nor other reason for human exposure to its internal components. However, under some charging conditions, hydrogen may be released. Therefore, these batteries should only be installed in a ventilated room.

In the event of breakage, and during installation, eye protection (splash goggles), hand protection (rubber gloves), respiratory protection (NIOSH approved acid mist/organic vapor) and body protection (acid resistant apron) should be employed. Contact with the electrolyte (Sulfuric Acid) may cause severe irritation of and damage to the eyes, nose and skin, both acute and chronic, and should be carefully avoided. Pregnant women and children should avoid exposure to lead.

Carcinogenicity:

Sulfuric Acid: The International Agency for Research on Cancer (IARC) has classified "strong inorganic acid mist containing sulfuric acid" as a Category I carcinogen (carcinogenic to humans).

Lead Compounds: Lead is listed as a 2B carcinogen (likely in animals in extreme doses).

HMIS Rating: 3-0-2-X

Exposure First Aid Procedures: Remove contaminated clothing and wash affected area with a copious amount of water for at least 15 minutes. If swallowed, administer large volumes of water - DO NOT induce vomiting – and obtain medical treatment.

SECTION VI: DISPOSAL INFORMATION

Spent/discarded batteries should be sent to a lead smelter operating in accordance with Federal, State and Local environmental and waste regulations.

SECTION VII: REGULATORY INFORMATION

US DOT: This non-spillable battery complies with the provisions of 49CFR173.159(d) and must not be marked with an NA, UN or other identification number nor carry a hazard label such as corrosive. Similarly, according to IATA/ICAO special provision A67, this battery is not subject to the air dangerous goods regulations.

RCRA: Spent lead-acid batteries are not regulated as hazardous waste when recycled. Spilled Sulfuric Acid is D002 characteristically hazardous (corrosive).

CERCLA (SUPERFUND) AND EPCRA (EMERGENCY PLANNING, COMMUNITY RIGHT TO KNOW: The reportable quantity (RQ) for 100% Sulfuric Acid is 1,000 lbs. It is listed as a "Extremely Hazardous Substance" with a TPQ of 1,000 lbs. EPCRA Section 312 Tier II reporting is required for batteries if 500 lbs or more of Sulfuric Acid and/or 10,000 lbs or more of lead are present.

CALIFORNIA PROPOSITION 65: According to the State of California, this battery contains chemicals that cause cancer, birth defects and other reproductive harm.

SECTION VIII: OTHER INFORMATION

This information is believe accurate by Jupiter Batteries and is presented in good faith. No warranty is made, expressed or implied.