

Material Safety Data Sheet

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BATTERY SEALED NON-SPILLABLE

Item 60682, DOT 173.159

Also known as Sealed Valve Regulated (SVR) Type Batteries

SECTION I

Manufacturer's Name: East Penn Manufacturing Co. Inc.	Date Prepared: Revised March 2004
Emergency Telephone #: CHEMTREC: 800-424-9300, in Washington DC or outside continental US call 202-483-7616	Distributed By: M & G Inc 2415 SW 3rd Ave; Ft. Lauderdale FL 33315. tel USA 954 525 5557

SECTION II

HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

Hazardous Components Specific Chemical Identity	OSHA PEL	ACGIH TLV	Other Limits Recommended	Percent

Lead, CAS #7439921	0.05 mg/m ³	0.15 mg/m ³	N/A	40-70
Sulfuric Acid, CAS #7664939	1.00 mg/m ³	1.00 mg/m ³	N/A	20-44
Antimony, CAS #74403360	0.50 mg/m ³	0.50 mg/m ³	N/A	0-4

SECTION III

PHYSICAL/CHEMICAL CHARACTERISTICS (Sulfuric Acid)

****NOT APPLICABLE TO NON-SPILLABLE SVR BATTERIES****

Appearance and Odor: N/A	Solubility in Water: N/A
Boiling Point: N/A	Specific Gravity (H ₂ O=1): N/A
Evaporation Rate (Butyl Acetate=1): N/A	Vapor Density (AIR=1): N/A
Melting Point: N/A	Vapor Pressure (mm Hg): N/A

Section IV

FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): non-flammable Flammable Limit: *hydrogen gas
Extinguishing Media: Class ABC extinguisher, CO ₂ and/or Halon LEL: 4% UEL: 74%
Special Fire Fighting Procedures: Cool exterior of battery if exposed to fire to prevent rupture. The acid mist and vapors in a fire situation are corrosive. Wear special respiratory protection (SCBA) and clothing.
Unusual Fire and Explosion Hazards: *When overcharging this battery

produces [hydrogen gas](#), which may explode if ignited. Use adequate ventilation, avoid open flames, sparks, or other sources of ignition near battery.

SECTION V

REACTIVITY DATA (Battery Case)

Stability: Stable **Condition to Avoid:** Cases decompose at 160-410° C (322-770° F)

Incompatibility (Materials to Avoid): Strong oxidizing agents such as hot nitric acid, etc.

Hazardous Decomposition of By-Products: Combustion can produce carbon dioxide (CO₂) and Carbon Monoxide (CO).

Hazardous Polymerization: will not occur. **Conditions to Avoid:** N/A

SECTION VI

HEALTH HAZARD DATA (Sulfuric Acid)

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Route(s) of Entry: N/A

Carcinogenicity: N/A

Signs and Symptoms of Exposure: N/A

Medical Condition Generally Aggravated by Exposure: N/A

Health Hazards (Acute and Chronic): Do not open battery, avoid contact with internal components. Internal components include lead and gelled electrolyte. Electrolyte is corrosive and contact may cause skin irritation and chemical burns.

Emergency and First Aid Procedures: (Contact with internal components if battery is opened)

1. Flush contacted area with large amounts of water for at least 15 minutes. Remove contaminated clothing and obtain medical attention if necessary.
2. If swallowed, give large volumes of water. **DO NOT** induce vomiting, obtain medical treatment.

SECTION VII

PRECAUTIONS FOR SAFE HANDLING AND USE

****NOT APPLICABLE TO NON-SPILLABLE SVR BATTERIES****

Steps to be Taken in Case Material is Released or Spilled: N/A

Waste Disposal Method: Lead-acid batteries are completely recyclable. For information on returning Lead acid batteries for recycling, call (954) 525-5557

Precautions to be Taken in Handling and Storing: Store away from reactive material as defined in Section V, Reactivity Data.

Other Precautions: If battery case is broken, avoid direct contact with internal components. Keep away from ignition sources during charging

SECTION VIII

CONTROL MEASURES

Respiratory Protection (Specific Type): N/A

Ventilation: Must be provided when charging in an enclosed area.

Protective Gloves: N/A

Eye Protection: Recommended

Other Protective Clothing or Equipment: N/A

Work / Hygienic Practices: Good personal hygiene and work practices are recommended.

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