

167251



EAST PENN manufacturing co., inc.

Battery Sealed Non-Spillable
49CFR 173.260(D), UN2800
Also known as Sealed Valve Regulated (SVR) Type Batteries

SECTION I

Manufacturer's name: East Penn Manufacturing Co. Inc.
Deka Road, Lyon Station, PA 19536
Telephone number for information: (215) 682-6361
Emergency telephone number: CHEMTREC: 1-800-424-9300
In Washington, D.C. or outside
continental U.S., call 1-202-483-7616

Date prepared: Revised November 30, 1992

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous components Specific chemical identity; (Common name(s))	OSHA PEL	ACGIH TLV	Other limits recommended	%
Lead, CAS #7439921	0.05 mg/m ³	0.15 mg/m ³	n/a	43-70
Sulfuric acid, CAS #7664939	1.0 mg/m ³	1.0 mg/m ³	n/a	20-44
Antimony, CAS #7440360	0.5 mg/m ³	0.5 mg/m ³	n/a	0- 4

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS (Sulfuric Acid):
NOT APPLICABLE TO NON-SPILLABLE SVR BATTERIES

Boiling point: N/A	Specific gravity (H ₂ O=1): N/A
Vapor pressure (mm Hg.): N/A	Melting point: N/A
Vapor density (AIR=1): N/A	Evaporation rate (Butyl Acetate=1): N/A
Solubility in water: N/A	Appearance and odor: N/A

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash point (method used): non-flammable Flammable limits: *hydrogen gas LEL: 4% UEL: 74%
Extinguishing media: Class ABC extinguisher, CO₂ and/or Halon

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: *Hydrogen gas, which may explode if ignited, is produced by this battery, when overcharging. 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 or by-products: Combustion can produce carbon dioxide (CO₂) and carbon monoxide (CO).
Hazardous polymerization: will not occur Conditions to avoid: not applicable

MSDS: Battery Sealed

SECTION VI - HEALTH HAZARD DATA (Sulfuric Acid):

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Route(s) of entry: N/A

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

TARGET ORGANS: N/A

Carcinogenicity: N/A

Signs and symptoms of exposure: N/A

Medical conditions generally aggravated by exposure: N/A

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:

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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 batteries to East Penn for recycling, call (215) 682-6361.

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.