

# PRODUCT SAFETY DATASHEET

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The information contained within is provided for your information only. This battery is an article pursuant to 29 CFR 1910.1200 and, as such, is not subject to the OSHA Hazard Communication Standard requirement for preparation of a material safety data sheet. The information and recommendations set forth herein are made in good faith and are believed to be accurate as of the date of preparation. However, EVEREADY BATTERY COMPANY, INC., MAKES NO WARRANTY, EITHER EXPRESS OR IMPLIED, WITH RESPECT TO THIS INFORMATION AND DISCLAIMS ALL LIABILITY FROM RELIANCE ON IT.

## **PRODUCT SAFETY DATA SHEET**

PRODUCT NAME: EVEREADY Battery Type No.: Volts: 1.5/cell

TRADE NAMES: ENERGIZER; HEARWELL; OVERTIME Approximate Weight:

CHEMICAL SYSTEM: Silver Oxide-Zinc Designed for Recharge: No

#### SECTION I - MANUFACTURER INFORMATION

Eveready Battery Company, Inc.

Telephone Number for Information:

25225 Detroit Road 800-383-7323 (USA) Westlake, OH 44145

Date Prepared: March 29, 2007

#### **SECTION II - HAZARDOUS INGREDIENTS**

**IMPORTANT NOTE:** The battery should not be opened or burned. Exposure to the ingredients contained within or their combustion products could be harmful.

MATERIAL OR INGREDIENT	PEL (OSHA)	TLV (ACGIH)	%/wt.
Graphite (CAS# 7782-42-5)	15 mg/m <sup>3</sup> TWA (total dust) 5 mg/m <sup>3</sup> TWA (respirable fraction)	2 mg/m <sup>3</sup> TWA (respirable fraction)	0-3
Manganese Dioxide (CAS# 1313-13-9)	5 mg/m <sup>3</sup> Ceiling (as Mn)	0.2 mg/m <sup>3</sup> TWA (as Mn)	0-20
Mercury (CAS# 7439-97-6)	0.1 mg/m <sup>3</sup> Ceiling (as Hg)	0.025 mg/m³ TWA (as Hg: elemental, inorganic compounds, and vapor.)	0.3-1.0
Potassium Hydroxide (CAS# 1310-58-3)	None established	2 mg/m³ Ceiling	0-7
Silver Oxide (CAS# 20667-12-3)	0.01 mg/m³ TWA (as Ag)	0.1 mg/m <sup>3</sup> TWA (as Ag)	10-35
Sodium Hydroxide (CAS# 1310-73-2)	2 mg/m³ TWA	2 mg/m³ Ceiling	0-7
Zinc (CAS# 7440-66-6)	15 mg/m³ TWA (particulates not otherwise regulated-total dust) 5 mg/m³ TWA (particulates not otherwise regulated-respirable fraction)	10 mg/m³ TWA (particulates not otherwise classified-inhalable) 3 mg/m³ TWA (particulates not otherwise classified-respirable)	6-14

## SECTION III - FIRE AND EXPLOSION HAZARD DATA

In case of fire, it is permissible to use any class of extinguishing medium on these batteries or their packing material. Cool exterior of batteries if exposed to fire to prevent rupture.

Fire fighters should wear self-contained breathing apparatus. Battery contains mercury, which produces highly toxic mercury vapors under fire conditions.



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#### **SECTION IV - HEALTH HAZARD DATA**

Under normal conditions of use, the battery is hermetically sealed.

Ingestion: Swallowing a battery can be harmful.

Contents of an open battery can cause serious chemical burns of mouth, esophagus, and gastrointestinal tract. Contents include mercury, which can cause abdominal pain, vomiting, diarrhea, liver and kidney damage, and central nervous system disorders.

If battery or open battery is ingested, do not induce vomiting or give food or drink. Seek medical attention immediately. CALL NATIONAL BATTERY INGESTION HOTLINE for advice and follow-up (202-625-3333) collect, day or night.

Inhalation: Contents of an open battery can cause respiratory irritation. Provide fresh air and seek medical attention.

**Skin Contact:** Contents of an open battery can cause skin irritation and/or chemical burns. Remove contaminated clothing and wash skin with soap and water. If a chemical burn occurs or if irritation persists, seek medical attention.

Skin Absorption: Mercury can be absorbed through intact skin causing symptoms similar to those of ingestion.

**Eye Contact:** Contents of an open battery can cause severe irritation and chemical burns. Immediately flush eyes thoroughly with water for at least 15 minutes, lifting upper and lower lids, until no evidence of the chemical remains. Seek medical attention.

## SECTION V - PRECAUTIONS FOR SAFE HANDLING AND USE

Storage: Store in a cool, well ventilated area. Elevated temperatures can result in shortened battery life.

**Mechanical Containment:** If potting or sealing the battery in an airtight or watertight container is required, consult your Eveready Battery Company representative for precautionary suggestions. Batteries normally evolve hydrogen which, when combined with oxygen from the air, can produce a combustible or explosive mixture unless vented. If such a mixture is present, short circuits, high temperature, or static sparks can cause an ignition.

Do not obstruct safety release vents on batteries. Encapsulation (potting) of batteries will not allow cell venting and can cause high pressure rupture.

**Handling:** Accidental short circuit for a few seconds will not seriously affect the battery. Prolonged short circuit will cause the battery to lose energy, and can cause the safety release vent to open. Sources of short circuits include jumbled batteries in bulk containers, metal jewelry, metal covered tables or metal belts used for assembly of batteries into devices.

If soldering or welding to the battery is required, consult your Eveready Battery Company representative for proper precautions to prevent seal damage or short circuit.

**Charging:** This battery is manufactured in a charged state. It is not designed for recharging. Recharging can cause battery leakage or, in some cases, high pressure rupture. Inadvertent charging can occur if a battery is installed backwards.

Labeling: If the Eveready label or package warnings are not visible, it is important to provide a package and/or device label stating:

WARNING: (1) KEEP AWAY FROM SMALL CHILDREN. IF SWALLOWED, PROMPTLY SEE DOCTOR; HAVE DOCTOR PHONE (202) 625-3333 COLLECT. (2) DO NOT DISPOSE OF IN FIRE OR RECHARGE - MAY EXPLODE OR LEAK AND CAUSE PERSONAL INJURY.

**Disposal:** Dispose in accordance with all applicable federal, state and local regulations. Appropriate disposal technologies include incineration and land filling.

The contents of this battery, as a waste, may be regulated by the Resource Conservation and Recovery Act (RCRA) as a D009 (mercury) and D011 (silver) hazardous waste. However, batteries sent to a recycler (e.g., silver, mercury recovery) in accordance with Standards for Universal Waste Management (40 CFR Part 273) are not fully regulated as hazardous wastes.



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## SECTION VI - SPECIAL PROTECTION INFORMATION

Ventilation Requirements: Not necessary under normal conditions.

**Respiratory Protection:** Not necessary under normal conditions.

Eye Protection: Not necessary under normal conditions. Wear safety glasses with side shields if handling an open or leaking battery.

Gloves: Not necessary under normal conditions. Use neoprene or natural rubber gloves if handling an open or leaking battery.

## SECTION VII - REGULATORY INFORMATION

Batteries marketed by Eveready Battery Company have been classified as non-dangerous goods by the US Department of Transportation and the major international regulatory bodies and are therefore not regulated.

SARA/TITLE III - As an article, this battery and its contents are not subject to the requirements of the Emergency Planning and Community Right-To-Know Act.