



# SAFETY DATA SHEET

The Safety Data Sheet is supplied as a service to you. For other related information, please visit:  
<http://www.rayovac.com>

## 1. IDENTIFICATION

PRODUCT NAME: Alkaline Battery Mercury Free  
SIZES: All sizes  
EMERGENCY HOTLINE: 800-424-9300 (24 hr, Chemtrec)  
EDITION DATE: 08/11/2014

## 2. HAZARD IDENTIFICATION

We would like to inform our customers that these batteries are exempt articles and are not subject to the 29 CFR 1910.1200 OSHA requirements, Canadian WHMIS requirements or GHS requirements.

### Emergency Overview

OSHA Hazards-not applicable  
Target Organs-not applicable  
GHS Classification-not applicable  
GHS Label Elements, including precautionary Statement-not applicable  
Pictogram-not applicable  
Signal words-not applicable  
Hazard statements-not applicable  
Precautionary statements-not applicable

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| INGREDIENT NAME              | CAS #     | %       | TLV**/TWA                         |
|------------------------------|-----------|---------|-----------------------------------|
| Manganese Dioxide            | 1313-13-9 | 32-38   | C5.0 mg/m <sup>3</sup>            |
| Steel                        | 7439-89-6 | 19-23   | ---                               |
| Zinc                         | 7440-66-6 | 11-16   | 5 mg/m <sup>3</sup> (as ZnO Fume) |
| Potassium Hydroxide          | 1310-58-3 | 5-9     | Solution Not Listed               |
| Graphite                     | 7782-42-5 | 3-5     | 15 mppcf                          |
| Barium Sulfate               | 7727-43-7 | <5      | 15 mg/m <sup>3</sup>              |
| Water, paper, plastic, other | ---       | Balance | ---                               |

\*Source: OSHA 29 CFR 1910.1000 Table Z-1, 2 or 3 11-01-2012

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#### 4. FIRST AID INFORMATION

THRESHOLD LIMIT VALUE (TLV) AND SOURCE: NA  
EFFECTS OF OVEREXPOSURE: None in normal use  
EMERGENCY FIRST AID PROCEDURES:

**Skin and Eyes:**

Do not pick up a shorting battery as it may cause a burn. Get immediate medical attention when eyes may have been exposed to battery contents from a ruptured battery. Wash skin with soap and water.

**Swallowing:**

*If you or your doctor suspects that a battery has been ingested-for assistance in the US call the NATIONAL BATTERY INGESTION HOTLINE any time at (202) 625-3333; in Canada call 416-813-5900.*

For more information, please visit:

<http://www.nema.org/Policy/Environmental-Stewardship/Documents/batteryingest.pdf>

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#### 5. FIRE FIGHTING MEASURES

FLASH POINT: NA  
LOWER (LEL): NA  
FLAMMABLE LIMITS IN AIR (%): NA  
UPPER (UEL): NA  
EXTINGUISHING MEDIA: Use water, foam, or dry powder as appropriate.  
AUTO-IGNITION: NA

**SPECIAL FIRE FIGHTING PROCEDURES:** As with any fire, wear self-contained breathing apparatus to avoid inhalation of hazardous decomposition products (See section 2).

**SPECIAL FIRE OR EXPLOSION HAZARDS:** DO NOT RECHARGE. As a typical sealed battery they may rupture when exposed to excessive heat; this could result in the release of flammable or corrosive materials.

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#### 6. ACCIDENTAL RELEASE MEASURES

**TO CONTAIN AND CLEAN UP LEAKS OR SPILLS:** In the event of a battery rupture, prevent skin contact and collect all released material in a plastic lined metal container.

**REPORTING PROCEDURE:** Report all spills in accordance with Federal, State and Local reporting requirements.

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## 7. HANDLING AND STORAGE

Store batteries in a dry place. Storing unpackaged cells together with other combustible materials could result in cell shorting and heat build-up. Do not recharge. Do not puncture or abuse.

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## 8. EXPOSURE CONTROL/PERSONAL PROTECTION

RESPIRATORY PROTECTION (SPECIFY TYPE): NA  
VENTILATION: Local Exhaust: NA  
Mechanical (General): NA  
Special: NA  
Other: NA  
PROTECTIVE GLOVES: NA  
EYE PROTECTION: NA  
OTHER PROTECTIVE CLOTHING: NA

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                 |    |                                       |                        |
|---------------------------------|----|---------------------------------------|------------------------|
| Boiling Point @ 760 mm Hg (°C): | NA | Percent Volatile by Volume (%):       | NA                     |
| Vapor Pressure (mm Hg @ 25°C):  | NA | Evaporation Rate (Butyl Acetate = 1): | NA                     |
| Vapor Density (Air = 1):        | NA | Physical State:                       | NA                     |
| Density (grams/cc):             | NA | Solubility in Water (% by Weight):    | NA                     |
| pH:                             | NA | Appearance and Odor:                  | Geometric solid object |

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## 10. STABILITY AND REACTIVITY

STABLE OR UNSTABLE: Stable  
INCOMPATIBILITY (MATERIALS TO AVOID): NA  
HAZARDOUS DECOMPOSITION PRODUCTS: NA  
DECOMPOSITION TEMPERATURE (0°F): NA  
HAZARDOUS POLYMERIZATION: Will Not Occur  
CONDITIONS TO AVOID: Avoid electrical shorting, puncturing or deforming

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## 11. TOXICOLOGICAL INFORMATION

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## 12. ECOLOGICAL INFORMATION

Consumers should dispose of discharged batteries through waste disposal services or legitimate collection outlets. Those collecting batteries should follow state and federal regulations. Partially discharged damaged batteries can overheat and cause fires in the presence of other combustible materials.

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## 13. DISPOSAL CONSIDERATIONS

Always comply with Federal, state or local requirements. All Rayovac Alkaline batteries have been tested per Federal hazardous waste testing requirements (TCLP). The TCLP tests show Rayovac alkaline batteries are not hazardous waste.

<http://www.nema.org/Policy/Environmental-Stewardship/Documents/Companies%20Claiming%20to%20Recycle.MARCH2005.pdf>

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## 14. TRANSPORTATION INFORMATION

TRANSPORTATION-SHIPPING: Alkaline Batteries are considered dry-cell batteries and they are non-dangerous goods for transportation. These batteries must be packed in a way to prevent short circuits or generation of a dangerous quantity of heat.

USDOT – See Special Provision 130.

IMO/Ocean – Not Listed.

ICAO/IATA – See Special Provision A123. This special provision also states to put the words “not restricted” and “special provision A123” on the air waybill when an air waybill is issued.

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## 15. REGULATORY INFORMATION

**SARA 313:** Notification is not required because these products are article(s) that do not release a covered toxic chemical under the normal conditions of storage, use, or handling.

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NOTICE: The information and recommendations set forth are made in good faith and are believed to be accurate at the date of preparation. Spectrum Brands Inc. (Rayovac) makes no warranty expressed or implied.