

Product Safety Data Sheet

The batteries are exempt articles and are not subject to the OSHA Hazard Communication Standard Requirement. This sheet is provided as technical information only. The information and recommendations set forth are made in good faith and are believed to be accurate as of the date of preparation. **Maxell makes no warranty, expressed or implied.**

Section 1 - Product and Company Identification

Product Name Zinc Silver Oxide Battery (SR)	Sizes: All	Date of preparation: April 1, 2008
Company: Hitachi Maxell, Ltd. Ono Works	Telephone: 81-(0)794-63-8054	
Address (Number, Street, City, State, and ZIP Code): 5, Takumidai, Ono-shi, Hyogo 675-1322, Japan	Fax: 81-(0)794-63-8058	

Section 2 - Composition/Information on Ingredients

Ingredient	CAS#	Content (wt%)
Silver Oxide	20667-12-3	15 to 40
Manganese Dioxide	1313-13-9	0 to 10
Graphite	7782-42-5	0 to 5
Zinc	7440-66-6	2 to 15
Mercury	7439-97-6	0.5 or less
Potassium Hydroxide	1310-58-3	0 to 5
Sodium Hydroxide	1310-73-2	0 to 3

Section 3 - Hazards Identification

Improper handling of the battery could lead to distortion, leakage*, overheating, or explosion and cause human injury or equipment trouble. Direct contact with contents leaking from the battery could cause injury such as loss of eyesight. Please strictly observe safety instructions.

(*Leakage is defined as an unintended escape of liquid from a battery.)

Section 4 - First Aid Measures

None unless exposed to internal materials. If contents leak, observe the following instructions.

Inhalation	Damaged batteries may release alkaline solution fumes that could cause respiratory irritation. Immediately rinse the mouth with plenty of water and consult a physician.
Skin	Immediately wash the skin with plenty of water. If itchiness or irritation due to chemical burns persists, consult a physician.
Eyes	Immediately rinse the eye with plenty of water and continue for at least 15 minutes. Consult a physician immediately.
Ingestion	If a battery is swallowed, consult a physician immediately. If the contents come into contact with the mouth, immediately rinse with plenty of water and consult a physician.

Section 5 - Fire Fighting Measures

Extinguishing Media	Any type of extinguisher is effective.
Fire fighting procedures	Heat from a fire could cause batteries to explode and release an alkaline solution. Use self-contained breathing apparatus and full protective equipment to avoid inhalation and prevent harmful alkaline fumes from entering the eyes or coming into contact with the skin.

Section 6 - Accidental Release Measures

N/A

Section 7 - Handling and Storage

1) Handling

Do not swallow the battery, touch any liquid that leaks from the battery, short-circuit, charge, expose to open flame, heat, disassemble or deform the battery.

2) Storage

Never store the battery in a hot or humid place. Never let the battery come into contact with water.

Section 8 - Exposure Controls, Personal Protection

Respiratory Protection	N/A	
Ventilation	Local Exhaust	N/A
	Mechanical	N/A
	Special	N/A
	Other	N/A
Eye Protection	N/A	
Protective Gloves	N/A	
Other protective clothing	N/A	

Section 9 - Physical/Chemical Characteristics

N/A

Section 10 - Stability and Reactivity

Stability	Stable
Incompatibility	N/A
Hazardous polymerization	N/A
Conditions to avoid	See section 7
Hazardous decomposition or byproducts	N/A

Section 11 - Toxicological Information

N/A

Section 12 - Ecological Information

N/A

Section 13 - Disposal condition

The battery may be regulated by national or local regulations. Please follow the proper regulations. Electricity remaining in a discarded battery can lead to distortion, leakage, overheating, or explosion if the battery comes into contact with other metals, so make sure to cover the (+) and (-) terminals with friction tape or some other insulator before disposal.

Section 14 - Transportation Information

This battery is not considered as "dangerous goods" per IATA (International Air Transport Association) regulations.

Section 15 - Regulatory Information

N/A

Section 16 - Other Information

For further information, please contact a Maxell sales representative.