Product Safety Data Sheet

SECTION 1: IDENTIFICATION

Product Name: Alkaline Batteries (Not Labeled)

Duracell Designations:

Duracell Designation	Size	Nominal Voltage	IEC Designation
MN/MX2400	AAA	1.5V	LR03
MN/MX1500	AA	1.5V	LR6

Product Use: Energy Source
SDS Date of Preparation: October 25, 2013

Company Identification:

Duracell, a division of P&G
Berkshire Corporate Park
Bethel, CT 06801 USA
Telephone: 203-796-4000
Email: duracellsds.im@pg.com

Duracell LaGrange Battery Plant	**Duracell Cleveland Battery Plant**	**Duracell Lancaster Battery Plant**	**Duracell Aarschot Belgium Battery Plant**
1567 Lukken Industrial Drive West LaGrange, GA 30240 +1-706- 884-6171	501 Mouse Creek Road Cleveland, TN 37312 +1- 423- 478-6000	1551 Highway 9 Bypass Lancaster, SC 29720 +1-803-285-8401	Duracell BVBA Nijverheidslaan 1-7 B - 3200 Aarschot Belgium 0032(0)16 55 20 11

Emergency Phone Number: 1(800) 424-9300 for US and Canada (CHEMTREC)
+1 (703) 527-3887 for International Calls (call CHEMTREC collect)

SECTION 2: HAZARDS IDENTIFICATION

These products are classified as Articles under REACH and are not subject to the requirements for Information in the Supply Chain (Safety Data Sheets and Labels). While batteries may release hazardous substances if damaged, this is not an intended release as defined under REACH. Batteries are not classified as hazardous under the CLP.

These products are also classified as Articles under the US OSHA Hazard Communication Standard 29CFR 1910.1200, Canada WHMIS and the GHS. A Safety Data Sheet is not required for these products.

The following information is provided to assist in the safe use of our products.

CAUTION: Batteries may explode or leak, and cause chemical/thermal burn injury, if recharged, disposed of in fire, mixed with a different battery type, inserted backwards or disassembled. Do not carry batteries loose in your pock or purse. Keep small batteries (i.e., AAA) away from children. If swallowed, consult a physician at once.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

These batteries consist of the chemicals listed below in a sealed can. No exposure occurs under normal conditions of use.

Chemical Name	CAS Number	EINECS Number	Amount
Manganese Dioxide	1313-13-9	215-202-6	30-45 %
Zinc	7440-66-6	231-175-3	10-25 %
Potassium Hydroxide (35%)	1310-58-3	215-181-3	5-15 %
Graphite (natural or synthetic)	7782-42-5	231-955-3	1-5%

SECTION 4: FIRST AID MEASURES

General Advice: The chemicals and metals in this product are contained in a sealed can. Exposure to the contents will not occur unless the battery leaks, is exposed to high temperatures or is mechanically, physically, or electrically abused.

Eye Contact: If battery is leaking and material contacts the eye, flush thoroughly with copious amounts of running water for 30 minutes. Seek immediate medical attention.
Skin Contact: If battery is leaking and material contacts the skin, remove any contaminated clothing and flush exposed skin with copious amounts of running water for at least 15 minutes. If irritation, injury or pain persists, seek medical advice.
Inhaled: If battery is leaking, contents may be irritating to respiratory passages. Move to fresh air. If irritation persists, seek medical advice.
Swallowed: Do not induce vomiting. Seek medical attention immediately. **CALL NATIONAL BATTERY INGESTION HOTLINE** (located in the United States of America) **at +(202)-625-3333 collect, day or night**.
Note to Physician: Damaged battery will release concentrated potassium hydroxide, which is caustic.

SECTION 5: FIRE FIGHTING MEASURES

Fire and Explosion Hazards: Batteries may burst and release hazardous decomposition products when exposed to a fire situation.
Extinguishing Media: Use any extinguishing media that is appropriate for the surrounding fire.
Special Fire Fighting Procedures: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing. Batteries may burst and release hazardous decomposition products when exposed to a fire situation.
Hazardous Combustion Products: Thermal degradation may produce hazardous fumes of zinc and manganese; hydrogen gas, caustic vapors of potassium hydroxide and other toxic by-products.

SECTION 6: ACCIDENTAL RELEASE MEASURES

SPECIAL NOTE: In the event of transport incidents involving damage to the battery packaging, please see Emergency Information in Appendix A.

Notify safety personnel of large spills. Caustic potassium hydroxide may be released from leaking or ruptured batteries. Ventilate area. Carefully collect batteries and place in an appropriate container for disposal. Avoid eye and skin contact and inhalation of vapors and fumes. Clean-up personnel should wear appropriate protective clothing, such as:

- Chemical resistant gloves
- Protective clothing against splashing of corrosive products
- Safety Boots

- Goggle
- Face shield if there is a risk of splashing

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SECTION 7: HANDLING AND STORAGE

Precautions To Be Taken in Handling: Batteries may explode, pyrolize or vent if disassembled, crushed, recharged or exposed to high temperatures. Install batteries in accordance with equipment instructions. Do not mix battery systems, such as alkaline and zinc carbon, in the same equipment. Replace all batteries in equipment at the same time. Do not carry batteries loose in a pocket or bag.
Precautions To Be Taken in Storage: Store batteries in a dry place at normal room temperature. Do not refrigerate. Batteries must remain oriented as packaged and shipped. Batteries may short circuit if positive end is allowed to contact one another or any metal objects.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits: No exposure to the battery components should occur during normal use.
Ventilation: No special ventilation is needed for normal use.
Respiratory Protection: None required for normal use.
Skin Protection: None required for normal use. Use neoprene, rubber or latex gloves when handling leaking batteries.
Eye Protection: None required for normal use. Wear safety goggles when handling leaking batteries.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance (color, physical form, shape): AA and AAA size batteries which have a cylindrical (round) shape.

SECTION 10: STABILITY AND REACTIVITY

Stable under normal conditions of use. Contents are incompatible with strong oxidizing agents. Do not heat, crush, disassemble, short circuit or recharge **.**

SECTION 11: TOXICOLOGICAL INFORMATION

Potential Health Effects:
The chemicals and metals in this product are contained in a sealed can. Exposure to the contents will not occur unless the battery leaks, is exposed to high temperatures or is mechanically, physically, or electrically abused.

SECTION 12: ECOLOGICAL INFORMATION

No ecotoxicity data is available. This product is not expected to present an environmental hazard. Do not contain any added mercury, cadmium or lead.

SECTION 13: DISPOSAL INFORMATION

Do not incinerate. Disposal should be in accordance with the EU Battery Directive 206/66/EC or local regulations.

SECTION 14: TRANSPORT INFORMATION

Alkaline battery products, covered by this SDS, in their original form, are considered "dry cell" batteries and are not regulated for transportation as "DANGEROUS GOODS." However, special regulatory concerns apply that require batteries to be packaged in a manner that prevents the generation of a dangerous quantity of heat and short circuits.

Ground Transport (ADR/RID): NONE

Air Transport (IATA): NONE

Marine/Water Transport (IMDG/ICAO): NONE

SECTION 15: REGULATORY INFORMATION

EU Classification of Preparation: Not classified as a dangerous preparation

EU Battery Directive: Duracell alkaline batteries comply with the substance restriction limits and labeling requirements set forth in the **EU Battery Directive 2006/66/EC** and as a result contain <0.0005% (5 ppm) mercury, <0.002% (20 ppm) cadmium and <0.004% (40 ppm) lead. The chemical symbols Hg, Cd and Pb are therefore **not** required below the separate collection symbol.

EU RoHS Directive: Batteries are not subject regulation.

EU REACH: Subject battery products are "articles" under REACH and not subject to REACH registration or e-SDS requirements. To the best of our knowledge, Duracell alkaline batteries do not contain any of the 73 SVHC per the ECHA updated listed 12/19/2011.

EU Labeling: None required. Labeling is not required because batteries are classified as articles under both REACH and the Dangerous Preparations Directive and as such are exempt from the requirement for labeling.

US OSHA Status: While the finished product(s) is considered an article and not covered by the OSHA Hazard Communication Standard, 29 CFR 1910.1200, this PSDS contains valuable information critical to the safe handling and proper use of the product".

EPA TSCA Status: All intentionally-added components of this product are listed on the US TSCA Inventory.

SARA 313/302/304/311/312 chemicals: Articles are not subject to reporting

California: This product has been evaluated and does not require warning labeling under California Proposition 65.

Canada All intentionally-added components of this product are listed on the Canadian DSL. This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and this PSDS contains all information required by the Controlled Products Regulations.

SECTION 16: OTHER INFORMATION

P&G Hazard Rating: Health: 0 Fire: 0 Reactivity: 0

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Data supplied is for use only in connection with occupational safety and health.

DISCLAIMER: This Product Safety Data Sheet is intended to provide a brief summary of our knowledge and guidance regarding the use of this material. The information contained here has been compiled from sources considered by Procter & Gamble to be dependable and is accurate to the best of the Company's knowledge. It is not meant to be an all-inclusive document on worldwide hazard communication regulations.

This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment. Procter & Gamble assumed no responsibility for injury to the recipient or third persons, or for any damage to any property resulting from misuse of the product.

Appendix A

Emergency Information for Transport Incidents

Intervention procedure:

a. Use caution when opening the truck in case of an accident, the load may have shifted. The required personal protective equipment should be worn.

b. The batteries can short circuit and heat to a temperature of over 100°C.

c. Caution, shorted cells can release amounts of hydrogen and carbon monoxide.

d. Before entering the container, vent sufficiently with fresh air or take air measurements and prevent ignition sources.

e. Before handling batteries, the proper personal protective equipment should be worn. This is to prevent direct contact with the batteries and (its) contents.
   i. Chemical protective gloves
   ii. Protective clothing against splashing of corrosive products.
   iii. Safety boots
   iv. Goggles
   v. Face mask (shield) if there is a risk of splashing.