

SHEET 0052624

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Material Safety Data Sheet | |

Date of issue: | Revision Date: October 25, | Revision Number:
10/25/2013 | 2013 |

Imperial Supplies Part Number: 0052624

1. PRODUCT AND COMPANY IDENTIFICATION

Manufacturer:

Duracell, a division of P&G

Berkshire Corporate Park

Bethel, CT 06801 USA

Telephone: 203-796-4000

Email: duracellsds.im@pg.com

Emergency Phone: 1(800) 424-9300 for US and Canada (CHEMTREC)

+1 (703) 527-3887 for International Calls (call CHEMTREC collect)

Product Name: Alkaline Batteries (Not Labeled)

Product Code(s): EU-ALK-BC

Recommended Use: Energy Source

UN-Number:

Product Type:

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.

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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 pocket or purse. Keep small batteries (i.e., AAA) away from children. If swallowed, consult a physician at once.

Appearance: AA and	Physical State:	Odor:
AAA size batteries		
which have a		
cylindrical (round)		
shape.		

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.

Principle Routes of Exposure

Acute Effects:

Eyes	
Skin	
Inhalation	
Ingestion	

Notes:

Chronic Effects:

Eyes	
Skin	
Inhalation	
Ingestion	

Notes:

Aggravated Medical Conditions

Environmental Hazard

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical/Ingredient Name	CAS-No	Weight%	ACGIH, TLV-TWA	OSHA-PE L	Other
Manganese Dioxide	1313-13-9	30-45 %			
Zinc	7440-66-6	10-25 %			
Potassium Hydroxide (35%)	1310-58-3	5-15 %			
Graphite (natural or synthetic)	7782-42-5	1-5%			

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

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.

Eyes	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	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.
Inhalation	If battery is leaking, contents may be irritating to respiratory passages. Move to fresh air. If irritation persists, seek medical advice.
Ingestion	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.
Notes to Physician	Damaged battery will release concentrated potassium hydroxide, which is caustic.
Protection of	

First-aiders	
Notes	

5. FIRE-FIGHTING MEASURES

Flammability/Flammable properties	
Flash point	
Recommended 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.
Explosion Data	Batteries may burst and release hazardous decomposition products when exposed to a fire situation.
Sensitivity to Mechanical Impact	
Sensitivity to Static Discharge	
Specific Hazards from Chemical	
Protective Equipment	

NFPA |Health Hazard: |Flammability: |Instability:|Physical Hazard

HMIS Health Hazard:	Flammability:	Physical	PPE:
		Hazard:	

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: 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

Environmental Precautions

Methods for Containment

Methods for Cleaning Up

Notes

7. HANDLING AND STORAGE

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.

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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines: No exposure to the battery components should occur during normal use.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH	OTHER

Engineering Measures

Personal Protective Equipment

Eyes/Face Protection	None required for normal use. Wear safety goggles when handling leaking batteries.
Skin and Body Protection	None required for normal use. Use neoprene, rubber or latex gloves when handling leaking batteries.
Respiratory Protection	None required for normal use.
Ventilation/Other	No special ventilation is needed for normal use.

Hygiene Measures

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	AA and AAA size batteries which have a cylindrical (round) shape	Odor	
Odor Threshold		Physical State	
Color		Viscosity	
pH		Percent Volatile, wt. %	
Flash Point		Auto-ignition Temperature	
Decomposition Temp		Boiling Point/ Range	
Melting Point/Range		Freezing Point	
Flammability		Explosion Limits	
Specific Gravity		Water Solubility	
Solubility		Evaporation Rate	
Vapor Pressure		Vapor Density	
VOC content, wt. %			

Notes

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions of use. Contents are incompatible with strong oxidizing agents. Do not heat, crush, disassemble, short circuit or recharge.
Incompatible Products	
Conditions to avoid	
Hazardous Decomposition Products	Thermal degradation may produce hazardous fumes of zinc and manganese; hydrogen gas, caustic vapors of potassium hydroxide and other toxic by-products.
Hazardous Polymerization	

Notes

11. TOXICOLOGY INFORMATION

Acute Toxicity: 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.

Product	
Information	
Inhalation	
Eye Contact	
Skin Contact	
Ingestion	

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation

Chronic Toxicity|

Chemical Name	ACGIH	IARC	NTP	OSHA
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Target Organ Effects

12. ECOLOGICAL INFORMATION

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

The Environmental impact of this product has been fully investigated

Chemical Name	Toxicity to	Toxicity to	Tox, to	Daphnia Magna
	Algea	Fish	Microorganisms	(water flea)

Notes:

13. DISPOSAL CONSIDERATIONS

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

Contaminated Packaging

US EPA Waste number

Notes

14. TRANSPORTATION 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.

DOT

UN-Number	
Proper Shipping name	
Hazard Class	
Packing Group	
Description	
Emergency Response	
Guide Number	

TDG

UN-Number	
Proper Shipping name	
Hazard Class	
Packing Group	
Description	

MEX

UN-Number	
Proper Shipping name	
Hazard Class	
Packing Group	
Description	

ICAO

UN-Number	
Proper Shipping name	NONE
Hazard Class	
Packing Group	
Description	

IATA

UN-Number	
Proper Shipping name	NONE
Hazard Class	
Packing Group	
ERG Code	
Description	

IMDG/IMO

UN-Number	
Proper Shipping name	NONE
Hazard Class	
Packing Group	
EmS No.	
Description	

RID

UN-Number	
Proper Shipping name	NONE
Hazard Class	
Packing Group	
Classification Code	
Description	
ADR/RID-Labels	

ADR

UN-Number	
Proper Shipping name	NONE
Hazard Class	
Packing Group	
Classification Code	
Description	
ADR/RID-Labels	

ADN

UN-Number	
Proper Shipping name	
Hazard Class	
Packing Group	
Classification Code	
Special Provisions	
Description	
Hazard Labels	
Limited Quantity	

15. REGULATORY INFORMATION

International Inventories

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

DSL

EINECS

ENCS

IECSC

PICCS

AICS

U.S. Federal Regulations

SARA 313

SARA 311/312 Hazard Categories: Articles are not subject to reporting

Acute Health Hazard

Chronic Health Hazard

Fire Hazard

Sudden Release of Pressure Hazard

Reactive Hazard

Clean Water Act

CERCLA

U.S. State Regulations

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

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".

U.S. State Right-to-Know Regulations

International Regulations: 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.

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.

16. OTHER INFORMATION

Prepared By:

Revision Date: October 25, 2013

Company: Duracell, a division of P&G

Revision number

Telephone number: 203-796-4000

Notes

Other Information

Disclaimer information: 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.

END OF MATERIAL SAFETY DATA SHEET

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