

Gillette Australia Pty LtdA.C.N. 000 011 914
5 Caribbean Drive
Scoresby, Victoria 3179

MATERIAL SAFETY DATA SHEET

DURACELL PROCELL PROFESSIONAL ALKALINE BATTERIES

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GMEL #2000.2A

STATEMENT OF HAZARDOUS NATURE

Not classified as hazardous according to Worksafe Australia criteria.

COMPANY DETAILS

Company: Gillette Australia Pty Ltd A.C.N. 000011914

Address:

5 Caribbean Drive Private Mail Bag 10 **Telephone Number:**

Scoresby Scoresby (03) 9757 4500 Victoria 3179 Victoria 3176 **FAX Number:** Australia (03) 9764 1050

IDENTIFICATION

Product Name: Duracell Alkaline and Ultra Alkaline Batteries

Manufacturer's Product Code:

Procell Alkaline Manganese Dioxide Batteries: PC1300 (D); PC1400 (C); PC1500 (AA); PC2400 (AAA); PC903 (Lantern); PC908 (6V); PC915 (6V); PC918 (6V); PC1604 (9V); PC9100 (N); PC7K67 (J) and batteries comprised of these cells.

UN Number: None allocated

Dangerous Goods Class and Subsidiary Risk: None

Hazchem Code: None

Poisons Schedule Number: None

Use: Energy source

Physical Description/Properties

Appearance: Copper top battery. Contents dark in colour.

Boiling Point/Melting Point:Not availableFlashpoint:Not availableVapour Pressure:Not availableFlammability Limits:Not availableSpecific Gravity:Not availableSolubility in Water:Not applicable

Other Properties:

Ingredients*:

Chemical Name:	<u>CAS Number:</u>	<u>% :</u>
Manganese Dioxide	1313-13-9	35-40
Zinc	7440-66-6	10-25
Potassium Hydroxide (35%)	1310-58-3	5-10
Graphite, natural or synthetic	7782-42-5 or 7440-44-0	1-5

^{*}Please note: Some Duracell alkaline batteries contain the Duracell Power CheckTM battery energy gauge which is a small conductive strip located underneath the PVC battery label that indicates the amount of charge in the battery. It is composed of minute quantities of conductive materials. Due to the small quantity of materials and their solid form, a health or environmental risk is unlikely.

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HEALTH HAZARD INFORMATION

These chemicals and metals are contained in a sealed can. For consumer use, adequate hazard warnings are included on both the package and on the battery. Potential for exposure should not exist unless the battery leaks, is exposed to high temperatures or is mechanically, physically, or electrically abused. Contains concentrated (35%) potassium hydroxide, which is caustic. Anticipated potential leakage of potassium hydroxide is 1 to 3 ml, depending on battery size. A similar amount of zinc/zinc oxide may also leak.

Acute:

Swallowed: Not anticipated due to size of batteries; choking may occur with the smaller AAA

battery. Irritation, including caustic burns/injury, may occur following exposure

to a leaking battery.

Eye: Irritation, including caustic burns/injury, may occur following exposure to a

leaking battery.

Skin: Irritation, including caustic burns/injury, may occur following exposure to a

leaking battery.

Inhaled: Respiratory (and eye) irritation may occur if fumes are released due to heat or

an abundance of leaking batteries.

Chronic: Not applicable to intact batteries.

First Aid

Swallowed: Not anticipated. Rinse the mouth and surrounding area with clear, tepid water for

at least 15 minutes. Consult a physician immediately for treatment and to rule

out involvement of the esophagus and other tissues.

Eye: If battery is leaking and material contacts eyes, flush with copious amounts

of clear, tepid water for 30 minutes. Contact physician at once.

Skin: If battery is leaking, irrigate exposed skin with copious amounts of clear, tepid

water for at least 15 minutes. If irritation, injury or pain persists, consult a

physician.

Inhaled: If battery is leaking, contents may be irritating to respiratory passages. Remove

to fresh air. Contact physician if irritation persists.

First Aid Facilities: Not applicable for normal consumer use. For warehouse/storage facilities

have an eyewash and safety shower available in case batteries leak or

rupture.

Advice to Doctor: The primary acutely toxic ingredient is concentrated (35%) potassium hydroxide. Anticipated potential leakage of potassium hydroxide is 1-3 ml, depending on battery size. This MSDS does not include or address the small button cell batteries, which can be ingested.

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PRECAUTIONS FOR USE

Exposure Standards: 8-Hour TWA's:

Manganese Dioxide (as Mn) - 1 mg/m³ (dust and compounds, Australia); 5 mg/m³ (Ceiling)

(OSHA); 0.2 mg/m³ (ACGIH/Gillette)

Potassium Hydroxide - 2 mg/m³ (Peak Limitation) (Australia); (Ceiling) (ACGIH)

Graphite (all kinds except fibrous) - 3 mg/m³ (natural and synthetic) (respirable dust) (Australia);

2 mg/m³ (ACGIH, synthetic); 15 mg/m³ (total, OSHA);

5 mg/m³ (respirable, OSHA)

These levels are not anticipated under normal consumer use conditions.

Engineering Controls: General ventilation under normal use conditions.

Personal Protection: None under normal use conditions. Wear safety glasses and

neoprene, rubber or latex gloves when handling leaking batteries.

Flammability: Not applicable

SAFE HANDLING INFORMATION

Storage:

Store at room temperature. Avoid mechanical or electrical abuse. **DO NOT** short or install incorrectly. 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 pocket or bag. Do not remove battery tester or battery label.

Transport:

Batteries are not regulated by international agencies as hazardous materials or dangerous goods when shipped. Duracell uses the article name 'Alkaline Batteries - Non-hazardous' on all domestic and international bills of lading.

Spills:

Notify safety personnel of large spills. Caustic potassium hydroxide may be released from leaking or ruptured batteries. Avoid eye or skin contact and inhalation of vapours. Increase ventilation. Clean-up personnel should wear appropriate protective gear. Remove spilled liquid with absorbent and contain for disposal.

Disposal:

Individual consumers may dispose of spent (used) batteries with household trash. Duracell does not recommend that spent batteries be accumulated (quantities of five gallons or more should be disposed of in a secure landfill, in accordance with appropriate regulations). Do not incinerate, since batteries may explode at excessive temperatures.

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SAFE HANDLING INFORMATION (CONTINUED)

Fire/Explosion Hazard: Thermal degradation may produce hazardous fumes of zinc and manganese; hydrogen gas; caustic vapours of potassium hydroxide and other toxic byproducts. Batteries may burst and release hazardous decomposition products when exposed to a fire situation. Use self-contained breathing apparatus and full protective gear.

OTHER INFORMATION:

CONTACT POINT: Australian Poisons Information Centre

24 hour service: -13 11 26

Police or Fire Brigade: -000 (exchange): -1100

New Zealand Poisons Information Centre Dunedin: -(03)479 1200 (Normal hours) -(03)474 0999 (Emergency)

PREPARED BY: Gillette Environment Health and Safety

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REPLACES: 2017.1A REVISION: 2

The information contained in the Material Safety Data Sheet is based on data considered to be accurate, however, no warranty is expressed or implied regarding the accuracy of the data or the results to be obtained from the use thereof.