

Section 1 Identification:

1.1 Identification:

Product Form	Article
Trade Name	Procell Lithium Coin
Description	Procell Branded Consumer Lithium Battery
Physical Description (IEC Designation)	Sizes: PC (2016, 2025, 2032, 2450) CR (2016, 2025, 2032, 2450)
Document ID	PSDS – Procell Li Coin
Date Prepared	1/1/2025

1.2 Recommended Use and Restrictions on use:

Use	Portable power source for electronic devices.
Restrictions on use:	No information available

Section 1.3 SUPPLIER/ MANUFACTURER'S INFORMATION

Manufacturer's Name and Address	<p>Duracell, a Berkshire Hathaway Company U.S. Operations, Inc., 14 Research Drive Bethel, CT USA 06801</p> <p>Duracell (China) Ltd. Hongtu High & New Technology Development Zone, Nan Cheng District, Dongguan, 523080 Guangdong, China</p> <p>Duracell (Jiangxi) Technologies Co., Ltd. No. 819 Factory, Huangtang East Street, Linkong Economic Zone, Nanchang City, Jiangxi Province, China</p>
US Telephone	(203) 796-4000

Section 1.4 Emergency Telephone number

Emergency Telephone	1-703-527-3887 (Collect) (Chemtrec)
Global Website	www.procell.com North America 1-800-551-2355 (9:00 AM - 5:00 PM EST)

Section 2: HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture or article

The batteries are not hazardous when used according to the instructions of manufacturer under normal conditions. In case of abuse, there's risk of rupture, fire, heat, leakage of internal components, which could cause casualty loss.

2.2 GHS Label elements, including precautionary statements

GHA Pictograms: NONE
GHS Signal Word: NONE

Other Hazards that do not results in a rating: Battery may explode or leak when heated, disassembled, short-circuited, recharged or exposed to fire or high temperature, or inserted incorrectly. Keep coin batteries out of reach of children

GHS classification: None required according to ranking criteria. PSDS requirements and GHS classification criteria do not apply to articles or products (such as batteries) that have a fixed shape and are not intended to release a chemical. Article exemption is found in 274 of the NSW Work Health and Safety Act 2011 Section 1.3 and states: The GHS applies to pure substances, their diluted solutions and mixtures.

Labeling: Required for Small Cell or Battery: Keep away from children. If swallowed, consult a physician immediately.

ANSI or IEC requirements:

<p>⚠ WARNING</p> <p><small>• INGESTION HAZARD: DEATH or serious injury can occur if ingested. • A swallowed button cell or coin battery can cause Internal Chemical Burns in as little as 2 hours. • KEEP new and used batteries OUT OF REACH OF CHILDREN. • Seek immediate medical attention if a battery is suspected to be swallowed or inserted inside any part of the body. • For consumer information call: Battery number for the National Battery Ingestion Hotline, currently 1 (800) 498-8666.</small></p>		<p>⚠ WARNING</p> <p><small>• KEEP OUT OF REACH OF CHILDREN. • Swallowing can lead to chemical burns, perforation of soft tissue, and death. Severe burns can occur within 2 hours of ingestion. Seek medical attention immediately.</small></p>	
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Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS	CAS NUMBER	Amount
Lithium Alloy	7439-93-2	0.5-6%
Manganese Dioxide	1313-13-9	12-50%
Organic Electrolyte	----	2.5-7%
1,2-Dimethoxyethane solvent	110-71-4	1.5-3.5%
Lithium Perchlorate Salt	7791-03-9	0.2-6%
Polytetrafluoroethylene (PTFE)	9002-84-0	0.1-1%
Denatonium Benzoate	3734-33-6	0-1%
Stainless Steel	65997-19-5	8-15%
Other Non-Reactive Materials		10%

Section 4: FIRST AID MEASURES

(In case of electrolyte leakage from the battery.)

Eye Contact	Flush thoroughly with copious amounts of running water for at least 15 minutes. Hold eyelids open to assure thorough flushing. Seek immediate medical attention.
Skin Contact	Immediately remove contaminated clothing and shoes while flushing with water. Continue to flush exposed skin with water for at least 15 minutes. Seek medical attention if irritation develops and persists. Launder contaminated clothing before reuse and discard shoes and other items that cannot be decontaminated.
Ingestion	Required for Small Cell or Battery: Keep away from children. If swallowed, consult a physician immediately. Call Battery Hotline (800-408-8666).
Note to Physician	A damaged battery will release concentrated and caustic potassium hydroxide. For information on battery identification and treatment, call the 24- hour National Battery Ingestion Hotline (800-408-8666) . Additional treatment information is available from the National Capital Poison Control Center Button Battery Ingestion Triage and Treatment Guideline: https://www.poison.org/battery/guideline . Consider repeat radiographs to confirm passage if battery passage not observed in 10-14 days.
Poison Center/North America	USA/Canada Calls Only: 1-800-498-8666 (Toll Free) [24-Hour National Battery Ingestion Hotline]
Poison Center World Directory	http://globalcrisis.info/poisonemergency.html#AAA
Inhalation	Contents of leaking battery may be irritating to respiratory passages. Move to fresh air. Seek medical attention if irritation persists.

Section 5: FIRE FIGHTING MEASURES

Substance or Mixture Specific Hazards	Batteries may rupture or leak if involved in a fire. Use any extinguishing media appropriate for the surrounding area.
Fire Fighting Measures	Remove container from fire area if this can be done without risk. Avoid inhaling the material or combustion products. Keep downwind and away from low areas.
Advice for Fire-Fighters	Large quantities of batteries involved in a fire will rupture and release corrosive potassium hydroxide. Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing. Fight fire from a distance or protected area. Cool fire-exposed containers to prevent rupture. Do not breathe smoke, gases or vapors generated

Section 6: CONTROL MEASURES FOR SPILLAGE OR LEAKAGE

(In case of electrolyte leakage from the battery.)

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Spills of Large Quantities of Loose Batteries (unpackaged)	Notify spill personnel of large spills. Irritating vapors may be released from leaking or ruptured batteries. Spread batteries apart to stop shorting. Eliminate all ignition sources. Clean-up personnel should wear appropriate PPE to avoid eye and skin contact and inhalation of vapors or fumes. Increase ventilation. Carefully collect batteries and place in appropriate container for disposal. Remove any spilled liquid with absorbent material and contain for disposal.
Personal Precautions, Protective Equipment and Emergency Procedures	Clean-up personnel should wear appropriate protective clothing to prevent eye and skin contact and inhalation of dust. Ventilate area of spill. Avoid creating airborne dust. Eliminate all sources of ignition. Keep spilled material away from combustible materials.
Environmental Precautions	Avoid release to the environment without proper government permits. Prevent entry into storm sewers and waterways. Report spills as required by local and national regulations.
Methods and Material for Containment and Cleaning Up	Do not use combustible absorbents or dust control products. Carefully collect material with a scoop. Do not generate airborne dust. Place in appropriate container for disposal. Rinse the spill area with water after clean-up is complete. Collect rinse water for appropriate treatment and disposal. Remove any spilled liquid with absorbent material and contain it for disposal.

Section 7: HANDLING AND STORAGE

Precautions for Safe Handling	Do not short circuit, charge, dispose into fire or install incorrectly.
	Do not solder directly onto batteries.
	Do not mix different type or brand of batteries.
Conditions for Safe Storage, Including any Incompatibilities	Store in cool, dry place in original packaging. Do not store with acids. Store away from reducing agents.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

This product is considered an article that does not release or result in exposure to a hazardous chemical under normal conditions of use. No engineering controls or personal protective equipment (PPE) is required.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical Description	Article
Chemical Properties	Not Applicable

Section 10: STABILITY AND REACTIVITY

Reactivity	Stable and Non-Reactive under 60°C.
Chemical Stability	Cells/batteries may explode or leak and cause burn injuries when recharged, burnt/incinerated, mixed with different types of batteries, inserted backwards into appliances, or disassembled.

Section 11: TOXICOLOGICAL INFORMATION

The chemicals in this product are contained in a sealed can and exposure does not occur during normal handling and use. Mercury, Lead and Cadmium are not used in the cell. (Note: If traces are found, they may be from impurity of the raw materials, not added as part of the recipe.)

Section 12: ECOLOGICAL INFORMATION

The chemicals in this product are contained in a sealed can and exposure does not occur during normal handling and use. Mercury, Lead and Cadmium are not used in the cell. (Note: If traces are found, they may be from impurity of the raw materials, not added as part of the recipe.)

Section 13: DISPOSAL CONSIDERATIONS (GHS – Section 13)

Collect and Proper Disposal	Dispose of used (or excess) batteries in compliance with federal, state/provincial, and local regulations. Do not accumulate large quantities of used batteries for disposal as accumulations could cause batteries to short-circuit. Do not incinerate.
Requirements of EU	After use, the cells and/or batteries must be disposed separately from unsorted municipal waste and delivered to a commercial or authorized collection/recycling facility.
Requirements of Brazil	After use, the cells and/or batteries must be delivered to the commercial establishment or authorized technical assistance network.





Section 14: TRANSPORT INFORMATION

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Lithium Coin Batteries

UN Identification Number/Shipping Name	UN3090 – Lithium Metal Batteries only UN3091 – Lithium Batteries in Equipment, or Lithium Batteries with Equipment		
Total Lithium Content (grams); See below for each catalog number.			
Catalog No.	Total Lithium Content (grams)	Type	Total/Battery Weight (grams)
2016	<0.3	Cell	2.0
2025	<0.3	Cell	2.4
2032	<0.3	Cell	2.9
2450	<0.3	Cell	6.6
UN38.3 TEST Summary Documents	UN38.3 Test Summary Documents that are required by the UN Model Regulations, can be requested by sending an email request to UN38.3_duracell@duracell.com .		
Regulatory Status	ProcellLithium Coin Batteries pass the tests defined in UN model regulation section 38.3, under an ISO 9001 Quality System. The shipping cartons for all Procell Lithium cells/batteries are designed to prevent short circuit, displacement within the package, damage to the batteries and release of the contents of the package. Persons preparing or distributing lithium batteries for transportation are required by regulation to be trained in their level of responsibility. The information in this section has been provided for clarification. The transportation of lithium metal batteries is regulated by ICAO, IATA, IMO, US DOT, ADR		
Special Provisions (SP) Conformance	Special regulatory provisions require batteries to be packaged in a manner that prevents the generation of a dangerous quantity of heat and short circuits. Shippers can prepare batteries by taping the terminals, individually packaging batteries, or otherwise segregating the batteries to prevent risk of creating a short circuit. Batteries shipped in original unopened Duracell packaging is compliant.		
IATA 66 th Edition, ICAO	Packaging Instructions (PI) 968 – PI 970		
US DOT - SP	29, A54, A100, A101		
IMDG - SP	188, 230, 310, 957		
ADR - SP	188, 230, 310, 636, 656		
ANTT (National Land Transportation Agency)	Regulation 5232, 14 Dec 2016; SP 188, 230, 310, 376; Packaging Instructions P903 Complementary Instructions 5947/, 1 July 2021		
Emergency Transportation Hotline	CHEMTREC 24-Hour Emergency Response Hotline		
	Within the United States, call: 1-800-424-9300		
	Outside of the United States, call: 1-703-527-3887 (Collect)		

Section 15: REGULATORY INFORMATION

GHS Article Exception	Section 1.3.2.1
Applicable Battery Industry Standards	ANSI C18.3M Part 1, ANSI C18.3M Part 2, ANSI C18.4, IEC 60086-1, IEC 60086-2, IEC 60086-4
Description	Procell branded consumer battery for OEM applications
Battery Electro- Technical System	Lithium Manganese Dioxide
COMPLIANCE	
Declarable Substances (IEC 62474 Criteria 1) EU REACH SVHC	1,2-Dimethoxyethane (CAS#110-71-4)
Mercury Free Battery (ANSI C18.4M <5ppm) P.R.C. Provision on Mercury Content Limitation for Batteries (GB 8897.5-2005, MOD, Section 9.1(e))	No Mercury  No Mercury added.
P.R.C. Mercury Free Battery (GB 24427-2009) < 1ppm	Yes, No Mercury Added 
Small Cell or Battery (ANSI C18.1M Part 2; IEC 60086-4)	Lithium coin batteries fit inside a specially designed test cylinder 2.25inches (57.1 mm) long by 1.25 inches (31.70 mm) wide.

Section 16: OTHER INFORMATION

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Lithium Coin Batteries

A Lithium coin battery is a safe consumable product under recommended or normal usage conditions. It is not a dangerous substance or mixture. There are no PSDS supply requirements for Lithium Coin batteries by the Globally Harmonized System (GHS). Duracell is providing this PSDS as a service to its customers and other users who may make use of Lithium Coin batteries in the workplace. This Product Safety Data Sheet (PSDS) provides relevant battery information to retailers, consumers, OEMs, and other users requesting a GHS-compliant PSDS. Articles, such as batteries, are exempt from GHS PSDS classification criteria. The GHS criteria is not designed or intended to be used to classify the physical, health, and environmental hazards of an article. Branded consumer batteries are defined as electro-technical devices. The design, safety, manufacture, and qualification of branded consumer batteries follow ANSI and IEC battery standards. This document is based on principles set forth in the following hazard communication approaches ANSI Z-400.1, GHS, JAMP AIS, and IEC 62474.

Disclaimer: *This PSDS is intended to provide a summary of our knowledge and guidance regarding the use of this product. The information contained here has been compiled from sources considered by Duracell US Operations, Inc. 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. Duracell US Operations, Inc. assumed no responsibility for injury to the recipient or third parties, or any damage to any property resulting from the misuse of the product.*