

# SAFETY DATA SHEET

## RENOWN® Clear & Mild Handwash

Version 1.4

SDS Number: 400000000532

Revision Date: 01/19/2021

### SECTION 1. IDENTIFICATION

Product name : RENOWN® Clear & Mild Handwash  
Product code : REN02466; REN02480; REN02522; REN02529; REN02566;  
REN02569

#### Manufacturer or supplier's details

Company name of supplier : Home Depot  
Address : 701 San Marco Blvd  
Jacksonville, Florida 32207  
Telephone : 1-866-412-6726  
Emergency telephone : VERISK 3E 1-800-451-8346 (USA);  
number 1-760-602-8703 (Outside USA)

#### Recommended use of the chemical and restrictions on use

Recommended use : Skin-care  
Restrictions on use : This is a personal care or cosmetic product that is safe for consumers and other users under normal and reasonably foreseeable use. Cosmetics and consumer products, specifically defined by regulations around the world, are exempt from the requirement of an SDS for the consumer. While this material is not considered hazardous, this SDS contains valuable information critical to the safe handling and proper use of the product for industrial workplace conditions as well as unusual and unintended exposures such as large spills. This SDS should be retained and available for employees and other users of this product. For specific intended-use guidance, please refer to the information provided on the package or instruction sheet.

### SECTION 2. HAZARDS IDENTIFICATION

#### GHS Classification

Eye irritation : Category 2B

#### GHS label elements

Signal word : Warning

Hazard statements : H320 Causes eye irritation.

Precautionary statements : **Response:**  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313 If eye irritation persists: Get medical advice/attention.

#### Other hazards

None known.

# SAFETY DATA SHEET

## RENOWN® Clear & Mild Handwash

Version 1.4

SDS Number: 400000000532

Revision Date: 01/19/2021

### SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Hazardous components

| Chemical name          | CAS-No.    | Concentration (%) |
|------------------------|------------|-------------------|
| Sodium Laureth Sulfate | 68585-34-2 | >= 1 - < 5        |

### SECTION 4. FIRST AID MEASURES

|   |  |
|---|--|
| General advice  | : In the case of accident or if you feel unwell, seek medical advice immediately.<br>When symptoms persist or in all cases of doubt seek medical advice. |
| If inhaled  | : If inhaled, remove to fresh air.<br>If symptoms persist, call a physician.   |
| In case of skin contact                                     | : Get medical attention if irritation develops and persists.   |
| In case of eye contact                                      | : Immediately flush eye(s) with plenty of water.<br>If easy to do, remove contact lens, if worn.<br>Seek medical advice.                                 |
| If swallowed  | : If swallowed, DO NOT induce vomiting.<br>Rinse mouth with water.<br>Obtain medical attention.  |
| Most important symptoms and effects, both acute and delayed | : Causes eye irritation.   |
| Protection of first-aiders                                  | : First Aid responders should pay attention to self-protection and use the recommended protective clothing   |

### SECTION 5. FIREFIGHTING MEASURES

|   |   |
|---|---|
| Suitable extinguishing media                  | : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  |
| Unsuitable extinguishing media                | : None known.   |
| Hazardous combustion products                 | : Sulphur oxides<br>Carbon oxides<br>Nitrogen oxides (NOx)<br>Metal oxides  |
| Specific extinguishing methods                | : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.<br>Use water spray to cool unopened containers.   |
| Further information                           | : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.<br>Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. |
| Special protective equipment for firefighters | : In the event of fire, wear self-contained breathing apparatus.<br>Use personal protective equipment.  |

### SECTION 6. ACCIDENTAL RELEASE MEASURES

|   |   |
|---|---|
| Personal precautions, protective equipment and emergency procedures | : Use personal protective equipment.<br>Ensure adequate ventilation.<br>Evacuate personnel to safe areas.<br>Material can create slippery conditions. |
| Environmental precautions   | : Discharge into the environment must be avoided.   |

# SAFETY DATA SHEET

## RENOWN® Clear & Mild Handwash

Version 1.4

SDS Number: 400000000532

Revision Date: 01/19/2021

Prevent further leakage or spillage if safe to do so.  
Prevent spreading over a wide area (e.g. by containment or oil barriers).  
Retain and dispose of contaminated wash water.  
Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up : Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).  
Keep in suitable, closed containers for disposal.  
Clean contaminated floors and objects thoroughly while observing environmental regulations.

---

### SECTION 7. HANDLING AND STORAGE

Advice on safe handling : For personal protection see section 8.  
Do not swallow.  
Avoid contact with eyes.  
Keep container closed when not in use.

Conditions for safe storage : Keep in properly labelled containers.  
Keep container tightly closed in a dry and well-ventilated place.  
Store in accordance with the particular national regulations.

---

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

#### Personal protective equipment

Respiratory protection : No personal respiratory protective equipment normally required.

Eye protection : No special measures necessary provided product is used correctly.  
Wear face-shield and protective suit for abnormal processing problems.

Skin and body protection : No special measures necessary provided product is used correctly.

Protective measures : Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.  
Ensure that eye flushing systems and safety showers are located close to the working place.

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice.  
Avoid contact with eyes.

---

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid  
Colour : clear, colourless, light yellow  
Odour : like soap  
Odour Threshold : No data available

# SAFETY DATA SHEET

## RENOWN® Clear & Mild Handwash

Version 1.4

SDS Number: 400000000532

Revision Date: 01/19/2021

|   |   |
|---|---|
| pH                                      | : 4.4 - 6.0, (20 °C)  |
| Solidification / Setting point          | : 0.80 °C   |
| Initial boiling point and boiling range | : 98 °C   |
| Flash point                             | : > 100 °C  |
| Evaporation rate                        | : No data available   |
| Flammability (solid, gas)               | : Not applicable  |
| Flammability (liquids)                  | : No data available   |
| Upper explosion limit                   | : No data available   |
| Lower explosion limit                   | : No data available   |
| Vapour pressure                         | : No data available   |
| Relative vapour density                 | : No data available   |
| Density                                 | : 1.008 g/cm <sup>3</sup>                                   |
| Solubility(ies)<br>Water solubility     | : soluble   |
| Partition coefficient: n-octanol/water  | : Not applicable  |
| Auto-ignition temperature               | : not determined  |
| Thermal decomposition                   | : The substance or mixture is not classified self-reactive. |
| Viscosity<br>Viscosity, kinematic       | : 10 - 20 mm <sup>2</sup> /s (20 °C)                        |
| Explosive properties                    | : Not explosive   |
| Oxidizing properties                    | : The substance or mixture is not classified as oxidizing.  |

---

### SECTION 10. STABILITY AND REACTIVITY

|                                    |   |
|------------------------------------|---|
| Reactivity                         | : Not classified as a reactivity hazard.                      |
| Chemical stability                 | : Stable under normal conditions.                             |
| Possibility of hazardous reactions | : No dangerous reaction known under conditions of normal use. |
| Incompatible materials             | : Strong oxidizing agents                                     |
| Hazardous decomposition products   | : No hazardous decomposition products are known.              |

---

### SECTION 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

#### Acute toxicity

Not classified based on available information.

# SAFETY DATA SHEET

## RENOWN® Clear & Mild Handwash

Version 1.4

SDS Number: 400000000532

Revision Date: 01/19/2021

### **Product:**

Acute oral toxicity : Acute toxicity estimate : > 5,000 mg/kg  
Method: Calculation method

### **Components:**

#### **Sodium Laureth Sulfate:**

Acute oral toxicity : LD50 (Rat): > 2,000 mg/kg  
Assessment: The substance or mixture has no acute oral toxicity

### **Skin corrosion/irritation**

Not classified based on available information.

### **Product:**

Assessment: Not irritating when applied to human skin.  
Result: No skin irritation

### **Components:**

#### **Sodium Laureth Sulfate:**

Result: Skin irritation

### **Serious eye damage/eye irritation**

Causes eye irritation.

### **Product:**

Result: Mild eye irritation

### **Components:**

#### **Sodium Laureth Sulfate:**

Result: Eye irritation  
Remarks: Severe eye irritation

### **Respiratory or skin sensitisation**

Skin sensitisation: Not classified based on available information.  
Respiratory sensitisation: Not classified based on available information.

### **Germ cell mutagenicity**

Not classified based on available information.

### **Carcinogenicity**

Not classified based on available information.

#### **IARC**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

#### **ACGIH**

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

#### **OSHA**

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

# SAFETY DATA SHEET

## RENOWN® Clear & Mild Handwash

Version 1.4

SDS Number: 400000000532

Revision Date: 01/19/2021

### NTP

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

### Reproductive toxicity

Not classified based on available information.

### STOT - single exposure

Not classified based on available information.

### STOT - repeated exposure

Not classified based on available information.

### Aspiration toxicity

Not classified based on available information.

---

## SECTION 12. ECOLOGICAL INFORMATION

### Ecotoxicity

No data available

### Persistence and degradability

#### Components:

#### Sodium Laureth Sulfate:

Biodegradability : Result: Readily biodegradable.

### Bioaccumulative potential

No data available

### Mobility in soil

No data available

### Other adverse effects

No data available

#### Product:

Regulation

40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances

Remarks

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

---

## SECTION 13. DISPOSAL CONSIDERATIONS

### Disposal methods

Waste from residues : Dispose of in accordance with local regulations.

Contaminated packaging : Dispose of as unused product.

Empty containers should be taken to an approved waste handling site for recycling or disposal.

---

## SECTION 14. TRANSPORT INFORMATION

### International Regulation

# SAFETY DATA SHEET

## RENOWN® Clear & Mild Handwash

Version 1.4

SDS Number: 400000000532

Revision Date: 01/19/2021

### IATA-DGR

Not regulated as a dangerous good

### IMDG-Code

Not regulated as a dangerous good

### National Regulations

### 49 CFR

Not regulated as a dangerous good

---

## SECTION 15. REGULATORY INFORMATION

### EPCRA - Emergency Planning and Community Right-to-Know Act

#### SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards** : Acute Health Hazard

**SARA 302** : No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

### Clean Air Act

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

This product does not contain any VOC exemptions listed under the U.S. Clean Air Act Section 450.

### Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product does not contain any toxic pollutants listed under the U.S. Clean Water Act Section 307

**California Prop 65** : This product does not require a warning label under California Proposition 65.

### The components of this product are reported in the following inventories:

TSCA : On TSCA Inventory

CH INV : On the inventory, or in compliance with the inventory

AICS : On the inventory, or in compliance with the inventory

DSL : On the inventory, or in compliance with the inventory

ENCS : On the inventory, or in compliance with the inventory

# SAFETY DATA SHEET

## RENOWN® Clear & Mild Handwash

Version 1.4

SDS Number: 400000000532

Revision Date: 01/19/2021

ISHL : On the inventory, or in compliance with the inventory  
KECI : On the inventory, or in compliance with the inventory  
PICCS : On the inventory, or in compliance with the inventory  
IECSC : On the inventory, or in compliance with the inventory  
NZloC : On the inventory, or in compliance with the inventory

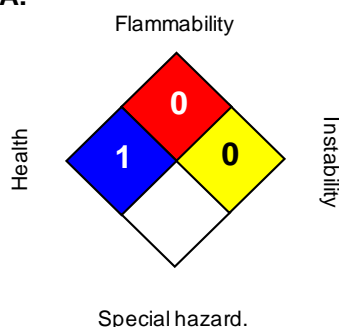
### Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZloC (New Zealand), PICCS (Philippines), TCSI (Taiwan), TSCA (USA)

## SECTION 16. OTHER INFORMATION

### Further information

#### NFPA:



#### HMIS III:

|                        |          |
|------------------------|----------|
| <b>HEALTH</b>          | <b>1</b> |
| <b>FLAMMABILITY</b>    | <b>0</b> |
| <b>PHYSICAL HAZARD</b> | <b>0</b> |


0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

Revision Date : 01/19/2021

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.



This Article Information Sheet (AIS) provides relevant battery information to retailers, consumers, OEMs and others users requesting a GHS-compliant SDS. Articles, such as batteries, are exempt from GHS SDS 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, IEC 62474, and ANSI C18.4M.

| 1. Document Information       |  |
|-------------------------------|--|
| Document Name                 | Duracell Lithium Coin Batteries (primary lithium metal cells and batteries)  |
| Document ID                   | AIS-LiCoin   |
| Document Report No.           | DURAAISLICOIN 072020   |
| Issue Date                    | 1-Jul-15   |
| Version                       | 7.c  |
| Preparer                      | Product Safety & Regulatory (PSR)  |
| Last Revision                 | 1/24/2022  |
| Information Contact           | <a href="mailto:SDS@duracell.com">SDS@duracell.com</a>   |
| 2. Company Information        |  |
| Name & Address                | Duracell US Operations, 14 Research Drive, Bethel, CT USA 06801. Duracell Batteries BV, Nijverheidslaan 7, 3200 Aarschot, Belgium. Duracell International Operations Sàrl, Rue du Pré-de-la-Bichette 1, CH-1202, Geneva, Switzerland. & EU website = <a href="http://www.duracell.info">www.duracell.info</a>  |
| US Telephone                  | (203) 796 - 4000   |
| Global Website                | <a href="http://www.duracell.com">www.duracell.com</a>   |
| Consumer Relations: NA        | North America: 1-800-551-2355 (9:00 AM - 5:00 PM EST)  |
| Consumer Relations: E & A     | (UK) 0800 716434, (FR) 0800 346 790 Service & appel gratuits, (IRL) 1 800 509 176, (DE) 800 101 2112, (AT) 0800 1025 1956, (CH) 0800 000 885, (BE) 0800 509 95, (NL) 0800 265 8616, (IT) 800 125 662, (ES) 900 800 522, (PT) 800 781 012, (GR) 210 66 75 000, (CY) 22-210900, (DK-FI-SE-NO) 4687991926, (IS)3545222700, (ZA) +27211403500, (RO) 021 3361915, (MD) 022472402, (BG) 02 40 24 500, (BIH) 033756000, (MNE) 020261920, (PL) 22 692 42 77, (LT) (8) 37 401 111, (LV) 67798667, (EE) +3726505555, (CZ) +420233332010, (SK) +42153419601, (HU) 0620 770 7099, (HR) 0800 0009, (SI) 01/588 6800, (AZ) 812 3100949, (UA) +380444909771 (ДП «СAB 92») & +380442476704 (ТОВ «ІНБЕКТКОМ»), (KZ) +7 727 250 05 50, (TM) 00865 530070, (KG) 0312 41 77 04 (Apple City International), (TR) 0 850 502 61 40. |
| 3. Article Information        |  |
| Description                   | Duracell branded consumer lithium battery  |
| Product Category              | Electro-technical device   |
| Use                           | Portable power source for electronic devices.  |
| Global sub-brands (Retail)    | Duracell, Ultra, Simply  |
| Global sub-brands (B2B)       | Bulk   |
| Sizes                         | 1220, 1616, 1632, 2016, 2025, 2032, 2430, 2450, 2477   |
| IEC Designations              | CR (1220, 1616, 1632, 2016, 2025, 2032, 2430, 2450, 2477)  |
| Principles of Operation       | A battery powers a device by converting stored chemical energy into electrical energy.   |
| Representative Product Images |   |
| 4. Article Construction       |  |

|   |  |
|---|--|
| <b>Applicable Battery Industry Standards</b>                            | ANSI C18.3M Part 1, ANSI C18.3M Part 2, ANSI C18.4, IEC 60086,1, IEC 60086-2, IEC 60086-4  |
| <b>Electro-technical System</b>   | Lithium Manganese Dioxide  |
| <b>Electrode - Negative</b>   | Lithium Alloy (CAS # 7439-93-2; 0.5-6%)  |
| <b>Electrode - Positive</b>   | Manganese Dioxide (CAS # 1313-13-9; 12-50%)  |
| <b>Electrolyte</b>  | Organic Electrolyte (NO CAS#; 2.5-7%)  |
| <b>Electrolyte</b>  | 1,2-Dimethoxyethane Solvent (CAS # 110-71-4; 1.5-3.5%)   |
| <b>Electrolyte</b>  | Lithium Perchlorate Salt (CAS # 7791-03-9; 0.2-0.7%)   |
| <b>Plastic Parts</b>  | Polypropylene (CAS# 9003-07-0; 0.5-10%)  |
| <b>Materials of Construction - Can</b>                                  | Steel (CAS #7431-89-6; 7440-47-3; 30-85%)  |
| <b>Declarable Substances (IEC 62474 Criteria 1)</b>                     | 1-2-Dimethoxyethane (CAS # 110-71-4)   |
| <b>Mercury Free Battery (ANSI C18.4M &lt;5ppm)</b>                      | Yes  |
| <b>Small Cell or Battery (ANSI C18.1M Part 2; IEC 60086-4)</b>          | Lithium coin batteries fit inside a specially designed test cylinder 2.25 inches (57.1mm) long by 1.25 inches (31.70 mm) wide.   |
| <b>Bitterant (Denatonium benzoate; CAS# 3734-33-4) Bitterant</b>        | Lithium coin battery sizes 2016, 2025 & 2032 have a transparent layer of bitterant (denatonium benzoate) applied to the negative side of the coin cell. Denatonium benzoate has a long history of being added to many different types of consumer products to help prevent childhood ingestion of potentially harmful substances.  |
| <b>Application Scope: Lithium Coin sizes 2032, 2025, and 2016 ONLY.</b> |  |
| <b>5. Health &amp; Safety</b>   |  |
| <b>Ingestion/Small Parts Warning</b>                                    | Required for all sizes of lithium coin batteries: <b>Keepout of reach of children. If swallowed, consult a physician immediately.</b> ANSI or IEC requirements<br> <b>WARNING</b><br> <b>WARNING</b><br>KEEP OUT OF REACH OF CHILDREN<br>Denatonium benzoate is extremely bitter.<br>Some patients may have difficulty swallowing.<br>If swallowed, consult a physician immediately.<br>   |
| <b>Normal Conditions of Use</b>   | Exposure to contents inside the sealed battery will not occur unless the battery leaks, is exposed to high temperatures, or is mechanically abused.  |
| <b>Note to Physician</b>  | <b>Note to Physician</b> – For information on battery identification and treatment, call the 24-hour <b>NATIONAL BATTERY INGESTION HOTLINE (800-498-8666)</b> . Additional treatment information is available from the <b>NATIONAL CAPITAL POISON CONTROL CENTER BUTTON BATTERY INGESTION TRIAGE AND TREATMENT GUIDELINE: <a href="https://www.poison.org/battery/guideline">https://www.poison.org/battery/guideline</a></b> . If the patient is less than or equal to 12 years, immediately obtain an x-ray to locate the battery. If the patient is > 12 years and the battery diameter is > than 12 mm or unknown also obtain an x-ray. X-rays should include the entire neck, esophagus and abdomen. Once the position of the battery in the esophagus is determined by x-ray and if less than 12 hours post ingestion consider giving sucralfate suspension 10ml by mouth every 10 minutes, up to 3 doses while waiting for sedation for endoscopy.  |
|   | Do not delay battery removal because a patient has eaten recently or was given honey or sucralfate by mouth. Batteries lodged in the esophagus should be removed immediately since battery leakage, caustic burns and perforation can occur as soon as two hours after ingestion. Endoscopic removal is preferred as it allows direct visualization of tissue injury. After the battery is removed from the esophagus if no perforation is evident irrigate the injured area with 50 mL to 150 mL of 0.25% sterile acetic acid and then observe for delayed complications. If a large battery (equal to or greater than 20 mm) is in the stomach or beyond of a child < 5 years, and based on history, might have lodged in the esophagus for > 2 hours, consider diagnostic endoscopy to exclude the remote possibility of esophageal injury. Retrieve batteries, endoscopically if possible, from the stomach or beyond if: 1) A magnet was also ingested, 2) The patient develops signs or symptoms that are likely related to a battery ingestion, or, 3) A large battery equal to or greater than 15 mm is ingested by a child younger than 6 years, remains in the stomach for 4 days or longer. Allow batteries to pass spontaneously if they have passed beyond the esophagus (stomach and beyond) and no clinical indication of any significant gastrointestinal injury is evident. Confirm battery passage by inspecting stools. Consider repeat radiographs to confirm passage if battery passage not observed in 10-14 days. |

|  |   |
|--|---|
| <b>First Aid - If swallowed</b>                      | <b>First Aid – If battery swallowed. DO NOT GIVE IPECAC.</b> Do not induce vomiting. Seek medical attention immediately and call 24 hour <b>NATIONAL BATTERY INGESTION HOTLINE (800-498-8666)</b> for assistance with battery identification and treatment. Attempt to determine battery imprint code (or diameter) of companion or replacement battery. If no imprint code is available, measure or estimate the battery diameter based on the size of the slot the battery fits or the size of the comparable battery. Provide this information to the treating health care provider. If the child is greater than 12 months of age and able to swallow, and the battery was swallowed within the prior 12 hours, if readily available administer honey immediately and while on route to the emergency room. Give 10 mL (2 teaspoons) of honey by mouth every 10 minutes for up to 6 doses. <b>Do not delay going to the ER to obtain or give honey.</b> Other than the honey do not give anything by mouth. |
| <b>Poison Center/North America</b>                   | <b>USA/CANADA CALLS ONLY: 1-800-498-8666 (Toll Free) [24 Hour National Battery Ingestion Hotline]</b>   |
| <b>Poison Centers /World Directory</b>               | <a href="http://globalcrisis.info/poisonemergency.html#AAA">http://globalcrisis.info/poisonemergency.html#AAA</a>   |
| <b>First Aid - Eye Contact</b>                       | Flush with running water for at least 30 minutes. Seek medical attention immediately.   |
| <b>First Aid - Skin Contact</b>                      | Remove contaminated clothing and flush skin with running water for at least 15 minutes. Seek medical attention if irritation persists.  |
| <b>First Aid - Inhalation</b>                        | Contents of leaking battery may be irritating to respiratory passages. Move to fresh air. Seek medical attention if irritation persists.  |
| <b>Battery Safety Standards &amp; Testing</b>        | Duracell lithium coin cell batteries meet the requirements of ANSI C18. 3M Part 2 and IEC 60086-4. These standards specify tests and requirements for lithium primary cells and batteries to ensure safe operation under normal use and reasonably foreseeable misuse. The test regimes assess three conditions of safety. These are:<br><b><u>1-Intended use simulation:</u></b> Partial use, vibration, thermal shock, and mechanical shock<br><b><u>2-Reasonably foreseeable misuse:</u></b> Incorrect installation, external short-circuit, free fall (user-drop), over-discharge, and crush<br><b><u>3-Design consideration:</u></b> Thermal abuse, mold stress  |
| <b>Precautionary Statements</b>                      | CAUTION: Keep batteries away from children. If swallowed, consult a physician at once. For information on treatment, within North America call <b>1-800-498-8666 (Toll Free)</b> . Ingestion may lead to serious injury or death. Cell can explode or leak if heated, disassembled, shorted, recharged, exposed to fire or high temperature or inserted incorrectly. Keep in original package until ready to use. Do not carry batteries loose in your pocket or purse.   |
| <b>6. Fire Hazard &amp; Firefighting</b>             |   |
| <b>Fire Hazard</b>                                   | Batteries may rupture or leak if involved in a fire.  |
| <b>Extinguishing Media</b>                           | Use any extinguishing media appropriate for the surrounding area. For incipient (beginning) fires, carbon dioxide extinguishers or copious amounts of water are effective in cooling burning lithium metal batteries. If fire progresses to where lithium metal is exposed (deep red flames), use a Class D extinguisher suitable for lithium metal.  |
| <b>Fires Involving Large Quantities of Batteries</b> | Large quantities of batteries involved in a fire will rupture and release irritating fumes from thermal degradation<br><br>Use a Class “D” fire extinguisher or other smothering agent such as Lith-X, copper powder or dry sand. If using water, use enough to smother the fire. Using an insufficient amount of water will make the fire worse. Cooling exterior of batteries will help prevent rupturing. Burning batteries generate toxic and corrosive lithium hydroxide fumes. Firefighters should wear self-contained breathing apparatus. Detailed information on fighting a lithium metal battery fire can be found in US DOT Emergency Response Guide 138 (Substances–Water–Reactive).  |
| <b>7. Handling &amp; Storage</b>                     |   |

|   |   |
|---|---|
| <b>Handling Precautions</b>   | Avoid mechanical and electrical abuse. Do not short circuit or install incorrectly. Batteries may rupture or vent if disassembled, crushed, recharged or exposed to high temperatures. Install batteries in accordance with equipment instructions.   |
| <b>Storage Precautions</b>  | Store batteries in a dry place at normal room temperature. Refrigeration does not make them last longer.  |
| <b>Spills of Large Quantities of Loose Batteries (unpackaged)</b>                   | Notify spill personnel of large spills. Irritating and flammable vapors may be released from leaking or ruptured batteries. Spread batteries apart to stop shorting. Eliminate all ignition sources. Evacuate area and allow vapors to dissipate. 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.  |
| <b>8. Disposal Considerations (GHS Section 13)</b>                                  |   |
| <b>Collection &amp; Proper Disposal</b>   | 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. In countries, such as Canada and the EU, where there are regulations for the collection and recycling of batteries, consumers should dispose of their used batteries into the collection network at municipal depots and retailers. They should not dispose of batteries with household trash.  |
| <b>USA EPA RCRA (40 CFR 261)</b>  | "Charged" lithium coin batteries meet the criteria (D003 - Reactivity) of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.23. If recycled, lithium coin batteries are classified as Universal Waste.  |
| <b>USA DOT (49 CFR 173.184 (d))</b>   | d) Lithium cells or batteries shipped for disposal or recycling. A lithium cell or battery, including a lithium cell or battery contained in equipment, that is transported by motor vehicle to a permitted storage facility or disposal site, or for purposes of recycling, is excepted from the testing and record keeping requirements of paragraph (a) and the specification packaging requirements of paragraph (b)(3) of this section, when packed in a strong outer packaging conforming to the requirements of §§173.24 and 173.24a. A lithium cell or battery that meets the size, packaging, and hazard communication conditions in paragraph (c)(1)-(3) of this section is excepted from subparts C through H of part 172 of this subchapter.  |
| <b>California Universal Waste Rule (Cal. Code Regs. Title 22, Div. 4.5, Ch. 23)</b> | California prohibits disposal of batteries as trash (including household trash).  |
| <b>Vermont Primary Battery Stewardship Law (ACT 139)</b>                            | In Vermont, consumers must recycle lithium coin batteries. For information, contact <a href="http://www.call2recycle.org">http://www.call2recycle.org</a> .   |
| <b>9. Transport Information (GHS Section 14)</b>                                    |   |
| <b>UN38.3 Test Summary Documents</b>  | <b>UN38.3 Test Summary Documents that are required January 1, 2020 by the UN Model Regulations, 20th Revised Edition, 2.9.4 can be requested by sending an email request to <a href="mailto:UN38.3_duracell@duracell.com">UN38.3_duracell@duracell.com</a></b>  |
| <b>Regulatory Status</b>  | Duracell lithium coin batteries are produced and delivered in accordance with current IATA/ICAO regulations. Duracell lithium coin batteries can be shipped in accordance with ICAO, Shipping packages for all DURACELL lithium cells/batteries are designed to prevent: short circuits, movement within the package, damage to the cells/batteries, and release of the package contents. Persons who prepare or offer lithium batteries for transport are required by regulation to be trained to the extent of their responsibility. The information in this section is provided for informational purposes only. The transportation of lithium metal batteries is regulated by ICAO, IATA, IMO and US DOT. Duracell lithium coin batteries are not subject to the other provisions of the Dangerous Goods regulations as long as they are packaged and marked in accordance with the applicable regulations. |
| <b>DEFECTIVE Lithium Batteries</b>  | Defective Lithium batteries are <b>forbidden</b> on both Passenger and Cargo Aircraft. For all other modes of transportation, defective lithium batteries are fully regulated as <b>Dangerous Goods</b> .   |

| Total Lithium Content (grams)   |   |         |                                   |      |                                   |      |      |      |   |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |
|---|---|---------|-----------------------------------|------|-----------------------------------|------|------|------|---|------|------|------|-----|------|------|------|-----|------|------|------|-----|------|------|------|-----|------|------|------|-----|------|------|------|-----|------|------|------|-----|
|   | <table border="1"> <thead> <tr> <th>Catalog</th> <th>Total Lithium Content (grams)</th> <th>Type</th> <th>Total Cell/Battery Weight (grams)</th> </tr> </thead> <tbody> <tr> <td>1220</td> <td>&lt;0.3</td> <td>Cell</td> <td>1</td> </tr> <tr> <td>1616</td> <td>&lt;0.3</td> <td>Cell</td> <td>1.2</td> </tr> <tr> <td>1632</td> <td>&lt;0.3</td> <td>Cell</td> <td>1.8</td> </tr> <tr> <td>2025</td> <td>&lt;0.3</td> <td>Cell</td> <td>2.4</td> </tr> <tr> <td>2032</td> <td>&lt;0.3</td> <td>Cell</td> <td>2.9</td> </tr> <tr> <td>2430</td> <td>&lt;0.3</td> <td>Cell</td> <td>4.5</td> </tr> <tr> <td>2450</td> <td>&lt;0.3</td> <td>Cell</td> <td>6.6</td> </tr> <tr> <td>2477</td> <td>&lt;0.3</td> <td>Cell</td> <td>9.0</td> </tr> </tbody> </table> | Catalog | Total Lithium Content (grams)     | Type | Total Cell/Battery Weight (grams) | 1220 | <0.3 | Cell | 1 | 1616 | <0.3 | Cell | 1.2 | 1632 | <0.3 | Cell | 1.8 | 2025 | <0.3 | Cell | 2.4 | 2032 | <0.3 | Cell | 2.9 | 2430 | <0.3 | Cell | 4.5 | 2450 | <0.3 | Cell | 6.6 | 2477 | <0.3 | Cell | 9.0 |
| Catalog   | Total Lithium Content (grams)   | Type    | Total Cell/Battery Weight (grams) |      |                                   |      |      |      |   |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |
| 1220  | <0.3  | Cell    | 1                                 |      |                                   |      |      |      |   |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |
| 1616  | <0.3  | Cell    | 1.2                               |      |                                   |      |      |      |   |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |
| 1632  | <0.3  | Cell    | 1.8                               |      |                                   |      |      |      |   |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |
| 2025  | <0.3  | Cell    | 2.4                               |      |                                   |      |      |      |   |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |
| 2032  | <0.3  | Cell    | 2.9                               |      |                                   |      |      |      |   |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |
| 2430  | <0.3  | Cell    | 4.5                               |      |                                   |      |      |      |   |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |
| 2450  | <0.3  | Cell    | 6.6                               |      |                                   |      |      |      |   |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |
| 2477  | <0.3  | Cell    | 9.0                               |      |                                   |      |      |      |   |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |
| UN Identification Number/ Shipping Name   | UN3090 Primary lithium metal batteries<br>UN3091 Primary lithium metal batteries packed with or contained in equipment  |         |                                   |      |                                   |      |      |      |   |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |
| UN 38.3 Transportation Tests  | Duracell certifies that all of its lithium batteries meet the requirements of the UN Manual of Tests and Criteria, Part III subsection 38.3. If you assemble these batteries into larger battery packs, it is recommended that you perform the UN Tests to ensure the requirements are met prior to shipment.   |         |                                   |      |                                   |      |      |      |   |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |
| Special Provisions 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.   |         |                                   |      |                                   |      |      |      |   |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |
| USA DOT Special Provision   | 49 CFR 173.185( c) SP A101  |         |                                   |      |                                   |      |      |      |   |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |
| USA DOT Exceptions for Lithium Cells or Batteries Shipped for Disposal or Recycling | 40 CFR 173.185(d)   |         |                                   |      |                                   |      |      |      |   |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |
| Air Transport IATA 63rd edition, ICAO   | PI 968 – Lithium metal batteries<br>PI 969 – Lithium metal batteries packed with equipment<br>PI 970 – Lithium metal batteries contained in equipment   |         |                                   |      |                                   |      |      |      |   |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |
| Marine/Water Transport (IMDG) Special Provision                                     | 188   |         |                                   |      |                                   |      |      |      |   |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |
| ADR/RID Special Provision   | 188   |         |                                   |      |                                   |      |      |      |   |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |
| Passenger Air Travel  | Air travelers should consult the US Department of Transportation (DOT) Safety Travel web site at <a href="http://safetravel.dot.gov">http://safetravel.dot.gov</a> for guidance regarding carry on of lithium batteries.  |         |                                   |      |                                   |      |      |      |   |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |
| Emergency Transportation Hotline  | <b>CHEMTREC 24-Hour Emergency Response Hotline</b><br><b>Within the United States call +703-527-3887</b><br><b>Outside the United States, call +1 703-527-3887 (Collect)</b>  |         |                                   |      |                                   |      |      |      |   |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |
| <b>10. Regulatory Information (GHS Section 15)</b>                                  |   |         |                                   |      |                                   |      |      |      |   |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |
| <b>10a. Battery Requirements</b>  |   |         |                                   |      |                                   |      |      |      |   |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |
| USA EPA Mercury Containing & Rechargeable Battery Management Act of 1996            | During the manufacturing process, no mercury is added.  |         |                                   |      |                                   |      |      |      |   |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |
| EU Battery Directive 2006/66/EC & amendment 2013/56/EU                              | Compliant with marking and substance restrictions for mercury (<0.0005%); cadmium (<0.0020%) and lead (<0.0040%). EU retail and bulk packaging containing lithium coin batteries are marked with the special collection symbol in accordance with Article 21.   |         |                                   |      |                                   |      |      |      |   |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |
| <b>10b. General Requirements</b>  |   |         |                                   |      |                                   |      |      |      |   |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |
| USA CPSIA 2008 (PL 11900314)  | Exempt  |         |                                   |      |                                   |      |      |      |   |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |
| USA CPSC FHSA (16 CFR 1500)   | Consumer batteries are not listed as a hazardous product.   |         |                                   |      |                                   |      |      |      |   |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |
| USA EPA TSCA Section 13 (40 CFR 707.20)   | For customs clearance purpose, batteries are defined as an "Article".   |         |                                   |      |                                   |      |      |      |   |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |
| USA EPA RCRA (40 CFR 261)   | "Charged" lithium coin batteries meet the criteria (D003 - Reactivity) of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.23. If recycled, lithium coin batteries are classified as Universal Waste.  |         |                                   |      |                                   |      |      |      |   |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |      |      |      |     |

|   |  |
|---|--|
| USA California Prop 65  | No warning required per 3rd party assessment.  |
| USA California Perchlorate Contamination Prevention Act of 2003   | Contains perchlorate. <u>Required labeling</u> : Perchlorate material - special handling may apply. See <a href="http://www.dtsc.ca.gov/hazardouswaste/perchlorate">www.dtsc.ca.gov/hazardouswaste/perchlorate</a>   |
| CANADA Products Containing Mercury Regulations SOR/20140254   | Mercury free   |
| EU REACH REGULATION (EC) NO. 1907/2006  | Regulated as an "article." Contains 1,2-dimethoxyethane (CAS# 110-71-4).   |
| EU REACH SVHC Communication   | <u>SVHC Substance Name</u> : 1,2-dimethoxyethane (EGDME)<br><u>Use</u> : Incorporated in a lithium battery as electrolyte solvent<br><u>EINEC Number</u> : 203-794-9<br><u>CAS Number</u> : 110-71-4<br><u>Concentration</u> : The battery contains EGDME –SVHC in a concentration ranging from 1.5 - 3.5% by weight. Because the battery is sealed, 100% of the EGDME-SVHC is contained in the battery.<br><u>Safe Handling</u> : Do not open the battery or disassemble it. Do not expose to fire or high temperatures (>60°C). At end of life, the battery should be taken back to the nearest collection point established by a National Collection Scheme used for batteries. |
| EU REACH Article 31   | An SDS is not required for articles.   |
| 10c. Regulatory Definitions - Articles  | An SDS is not required for articles.   |
| USA OSHA  | 29 CFR 1910.1200(b)(6)(v)  |
| USA TSCA  | 40 CFR 704.3; 710.2(3)(c); and [19 CFR 12.1209a]   |
| EU REACH  | Title 1 - Chapter 2 - Article 3(3)   |
| GHS   | Section 1.3.2.1  |
| <b>11. Other Information</b>  |  |
| <b>11a. Certification &amp; 3rd Party Approvals</b>   |  |
| UL Listing  | Lithium Batteries - Component BBCV2.MH12538  |
| <b>11b. AIS Hazard Communication Approaches (consulted in developing this document):</b>  |  |
| Globally Harmonized System (GHS)  | GHS SDS requirements and classification criteria do not apply to articles or products (such as batteries) that have a fixed shape, which are not intended to release a chemical. The article exemption is found in Section 1.3.2.1.1 of the GHS and reads: <i>The GHS applies to pure substances and their dilute solutions and to mixtures. "Articles" as defined by the Hazard Communication Standard (29 CFR 1900.1200) of the OSHA of the USA, or by similar definition, are outside the scope of the system.</i>  |
| Joint Article Management Promotion Consortium JAMP  | JAMP is a Japanese Industry Association who developed the concept of an Article Information Sheet as a supply chain tool to share and communicate chemical information in articles. The AIS authoring process is based on "declarable" substances to meet global regulatory requirements as well as substances to be reported by GADSL, JIG, etc.  |
| IEC 62474 Ed. 1.0 B:2012 Material Declaration for Products of and for the Electro-technical Industry  | An international standard that came into effect in March 2012 concerning declaration for electrical and electronic products. IEC 6274 replaces the defunct Joint Industry Guide – Material Declaration for Electro-technical Products (JIG-101-Ed 4.1 (May 21, 2012)   |
| IEC 62474 Database - Publically available online ( <a href="http://std.iec.ch/iec62474">http://std.iec.ch/iec62474</a> ). Maintained by TC11: Environmental Standardization for electrical and electronic products and systems. | The general principle for a substance to be included in the database as a declarable substance is: 1) existing national laws or regulations in an IEC member country that are relevant to Electro-technical products and that prohibit or restrict substances, or that have a labeling, communication, reporting or notification requirement, and 2) applying IEC 62474 criteria results in identification of declarable substance.  |
| ANSI Z 400.1/Z19.1 (2010)   | 2.1 Scope: Applies to preparation of SDSs for hazardous chemicals used under occupational conditions. Does not address how the standard may be applied to articles. It presents basic information on how to develop and write a SDS. Additional information is provided to help comply with state and federal environmental and safety laws and regulations. Elements of the standard may be acceptable for International use.   |

**ANSI C18.4M-2017 Portable Cells  
and Batteries - Environmental**

This standard provides regulatory guidance and a template to author an article information sheet for a portable consumer battery. See Annex C.2 (Informative) Safety Data Sheets and Annex E (Informative) Article Information Sheet.

**DISCLAIMER: This AIS is intended to provide a brief summary of our knowledge and guidance regarding the use of this article. The information contained here has been compiled from sources considered by Duracell 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 assumes no responsibility for injury to the recipient or third persons or for any damage to any property resulting from misuse of the product.**