Lithium Rechargeable Battery Pack

Safety Data Sheet

This product under normal conditions of use does not pose a physical or health risk and is considered an article.Thus, it is exempt from the requirements of the Hazardous Communication Standard therefore, a SDS is not required. See 29 CFR § 1910.1200(b)(6)(v). This Safety Data Sheet and the information described voluntarily offers helpful information for safe handling and environmental care and can be provided in the event where the integrity of the product may be compromised.

SECTION 1 Identification

1.1. Product identifier

Product form : Article
Trade name : Lithium Rechargeable Battery Pack
Product code : UBBL72

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Battery
Restrictions on use : Do not: Crush, Open, destroy or incinerate. Do not: short circuit, over charge, force over-discharge, or expose to high temperatures or fire.

1.4. Supplier's details

Ultralife Corporation
2000 Technology Parkway
Newark, NY 14513
T 315-332-7100
dgould@ulbi.com

1.5. Emergency phone number

Emergency number : For Hazardous Materials or Dangerous Goods Incident Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night: 1-800-424-9300 (Toll Free, USA) / 703-527-3887 (Virginia, USA)
CCN 23057
Back-up Emergency Number: +1 703-741-5970 (Washington, DC)

SECTION 2 Hazard Identification

2.1. Classification of the substance or mixture

GHS US classification

Reproductive toxicity, Category 1B H360 May damage fertility or the unborn child.
Full text of H statements : see section 16

2.2. Label elements

GHS US labeling

Hazard pictograms (GHS US) :

Signal word (GHS US) : Danger
Hazard statements (GHS US) : H360 - May damage fertility or the unborn child
Precautionary statements (GHS US) : Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wear protective gloves, protective clothing, eye and face protection.
If exposed or concerned: Get medical advice/attention.

Store locked up.
Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

2.4. Hazards not otherwise classified

Other hazards which do not result in classification : The product is a Lithium ion cell or battery and is therefore classified as an article and is not hazardous when used according to the recommendations of the manufacturer. The hazard is associated with the contents of the cell or battery. Under recommended use conditions, the electrode materials and liquid electrolyte are non-reactive provided that the cell or battery integrity remains and the seals remain intact. The potential for exposure should not exist unless the cell or battery leaks, is exposed to high temperatures or is mechanically, electrically or physically abused/damaged. If the cell or battery is compromised and starts to leak, based upon the battery ingredients, the contents are classified as Hazardous.

2.5. Unknown acute toxicity

No additional information available

SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
Copper	CAS-No.: 7440-50-8	≤ 8.237	Not classified
Aluminum	CAS-No.: 7429-90-5	≤ 8.237	Aquatic Acute 1, H400
N-methyl pyrrolidone	CAS-No.: 872-50-4	0.12	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Repr. 1B, H360 STOT SE 3, H335

Full text of hazard classes and H-statements : see section 16

SECTION 4 First aid measures

4.1. Description of necessary first-aid measures

First-aid measures general : The following first aid measures are required only in case of exposure to interior battery components after damage of the external battery casing. Undamaged, closed batteries do not represent a danger to the health. First aider: Pay attention to self-protection. Never give anything by mouth to an unconscious person. Give artificial respiration if necessary. Induce artificial respiration with mask fitted with one-way valve or other suitable device but, not mouth-to-mouth. IF exposed or concerned: Get medical advice/attention.

First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a poison center or a doctor.

First-aid measures after skin contact	:	Remove affected clothing and wash all exposed skin areas with mild soap and water, followed by warm water rinse. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
First-aid measures after eye contact	:	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	:	Rinse mouth. Do NOT induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Call a poison center/doctor/physician if you feel unwell.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects	:	In the form in which it is marketed, the product causes no danger to health for humans through inhalation, swallowing or contact with the skin. If the product form in the as-supplied state is changed through further processing (e.g. through grinding, polishing, electrical discharge machining, welding or melting) and dust or vapours are produced, the following hazards are associated with the product.
Symptoms/effects after inhalation	:	Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
Symptoms/effects after skin contact	:	Not expected to present a significant eye contact hazard under anticipated conditions of normal use.
Symptoms/effects after eye contact	:	Not expected to present a significant eye contact hazard under anticipated conditions of normal use.
Symptoms/effects after ingestion	:	Not expected to present a significant hazard under anticipated conditions of normal use.
Chronic symptoms	:	May damage fertility or the unborn child.

4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment	:	IF exposed or concerned: Get medical advice/attention.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	:	UNRUPTURED BATTERY CELLS - CO2 extinguishers or, even preferably, copious quantities of water of water based foam can be used to cool down a burning Li-SO2 cell or battery pack as long as the extent of the fire has not progressed to the point that the lithium metal they contain is exposed (identified by the deep red flame). RUPTURED BATTERY CELLS - If battery cells have ruptured (noted by the deep red flame) use a metal CLASS D fire extinguishing agent ONLY.
Unsuitable extinguishing media	:	Do not use warm or hot water. Do not use CO2 or Halon-type extinguishers. Do not use sand, dry powder or soda ash, graphite powder or fire blankets. Use only class D metal extinguishers on raw lithium metal.

5.2. Specific hazards arising from the chemical

Fire hazard	:	Large lithium ion batteries or large quantities of smaller batteries may reignite after the initial fire has been suppressed. Batteries should be stored in a safe place outside (access restriction, hazard indications) for a minimum of 72 hours. It is recommended to monitor the temperature frequently to detect any potential new heat generation. In the instance that a thermal event reoccurs, follow the same firefighting methods.
Explosion hazard	:	When exposed to extreme heat, battery within product may emit flammable vapors which, when mixed with air, can burn or be explosive.
Hazardous decomposition products in case of fire	:	Exposures to high temperatures, sparks and flames can result from the liberating flammable and toxic gases with eventual product ignition.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions	:	In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion. No action shall be taken without appropriate training or involving any personal risk. Use extinguishing media appropriate for surrounding fire. Prevent fire-fighting water from entering environment.
Protection during firefighting	:	Do not enter fire area without proper protective equipment, including respiratory protection. Use self-contained breathing apparatus and chemically protective clothing. Wear fire/flame resistant/retardant clothing.

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	:	No flames, no sparks. Eliminate all sources of ignition. Avoid all personal contact including breathing in the fume, mist, vapors. Do not take actions involving personal risks. Wear self-contained breathing apparatus. Absorb spillage to prevent material-damage.

For non-emergency personnel

Protective equipment	:	Wear recommended personal protective equipment.
Emergency procedures	:	Evacuate the danger area. If outdoors, move to an area upwind of the danger area. Do not breathe fume, mist, vapors. Avoid contact with skin and eyes. If possible without taking personal risks, remove ignition sources, ventilate area. Prevent other non-emergency personnel from entering the danger area.

For emergency responders

Protective equipment	:	Wear the recommended personal protective equipment. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	:	Evacuate unnecessary personnel. Do not touch or walk on the spilled product. Ventilate area.
Environmental precautions	:	Do not let the product reach soil, drains, sewers, or surface and ground water.

6.2. Methods and materials for containment and cleaning up

For containment	:	The following measures are applicable only if the product is compromised: Cover spill with non combustible material, e.g.: sand, earth, vermiculite.
Methods for cleaning up	:	Damaged batteries that are not hot or burning should be placed in a sealed plastic bag or container. Decontaminate surfaces and equipment with water and detergent. Until a sufficient level of dilution is achieved, the decontamination water may pose the same hazards as the product. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

For further information refer to section 8: "Exposure controls/personal protection",For further information refer to section 13

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Take precautionary measures against static discharge. Do not subject to grinding, shock, friction. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Only connect the battery when it is going to be used. Never use the battery for any other purpose than for that which it has been designed. Do not: Crush, Open, destroy or incinerate. Do not: short circuit, over charge, force over-discharge, or expose to high temperatures or fire. Do not charge it in the unit. Do not disassemble the module.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

Additional hazards when processed : Lithium ion batteries are designed to be recharged. Use only approved chargers and procedures. Do not charge above specified rate. Improper charging may cause the battery to catch fire and/or vent flammable and toxic gases. Do not allow conductive material to touch the battery terminals. A dangerous short circuit may occur and cause battery failure and fire. Do not open, disassemble, crush, or burn batteries. Do not expose to extreme heat or fire. Protect case from puncture and damage.

7.2. Conditions for safe storage, including incompatibilities

Storage conditions : Store in a cool, dry place (humidity: 45-85%) away from sparks and flame. Make the charge amount less than or equal to 50% then store between -20°C (-4°F) and 40°C (104°F). Avoid mechanical or electrical abuse. Store separated from other materials in a non-combustible, well-ventilated structure with sufficient clearance between walls and stacks of lithium ion battery and ensure adequate fire suppression (e.g, water sprinkler) is available. Do not place near heating equipment or direct sunlight for extended periods. Store away from incompatible materials. See also following codes and standards.

- 2024 International Fire Code
- 2024 International Building Code
- SAE J3235 - Best-Practices for Storage of Lithium ion Batteries

. On-site storage regulations vary based on geography. For industry best practices on lithium battery storage, consult the 2024 International Fire Code or Chapter 14 of NFPA 855.

Incompatible materials : Strong oxidizing agents.

SECTION 8 Exposure controls/personal protection

8.1. Control parameters

Copper (7440-50-8)	
USA - ACGIH® - Threshold Limit Values	
Local name	Copper, as Cu
ACGIH® TLV® TWA	0.2 mg/m³ (Fume) 1 mg/m³ (Dusts and mists)
Remark (ACGIH®)	TLV® Basis: Irr; GI; metal fume fever
Regulatory reference	ACGIH 2026
USA - OSHA - Occupational Exposure Limits	
Local name	Copper

Copper (7440-50-8)	
OSHA PEL TWA	0.1 mg/m³ (Fume (as Cu)) 1 mg/m³ (Dusts and mists (as Cu))
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
USA - NIOSH - Occupational Exposure Limits	
Local name	Copper
NIOSH REL 10h TWA	0.1 mg/m³ (Fume (as Cu)) 1 mg/m³ (Dusts and mists (as Cu))
Regulatory reference (US-NIOSH)	OSHA Annotated Table Z-1 (NIOSH Pocket Guide to Chemical Hazards (NPG))

N-methyl pyrrolidone (872-50-4)	
USA - ACGIH® - Biological Exposure Indices	
Local name	N-Methyl-2-pyrrolidone
BEI	100 mg/l Parameter: 5-Hydroxy-N-methyl-2-pyrrolidone - Medium: urine - Sampling time: End of shift
Regulatory reference	ACGIH 2026

Aluminum (7429-90-5)	
USA - ACGIH® - Threshold Limit Values	
Local name	Aluminum, metal and insoluble compounds
ACGIH® TLV® TWA	1 mg/m³ (R - Respirable particulate matter)
Remark (ACGIH®)	TLV® Basis: Pneumoconiosis; LRT irr; neurotoxicity. Notations: A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2026
USA - OSHA - Occupational Exposure Limits	
Local name	Aluminum Metal (as Al)
OSHA PEL TWA	15 mg/m³ (Total dust) 5 mg/m³ (Respirable fraction)
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
USA - NIOSH - Occupational Exposure Limits	
Local name	Aluminum Metal (as Al)
NIOSH REL 10h TWA	10 mg/m³ (Total dust) 5 mg/m³ (Respirable fraction)
Regulatory reference (US-NIOSH)	OSHA Annotated Table Z-1 (NIOSH Pocket Guide to Chemical Hazards (NPG))

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station. Use general ventilation, local exhaust ventilation, or process enclosure to keep the airborne concentrations below the permissible exposure limits. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

Environmental exposure controls : Avoid release to the environment. Take measures to reduce or limit air emissions and releases to soil and the aquatic environment.

8.3. Individual protection measures, such as personal protective equipment

Personal protective equipment:

The following personal protective equipment is to be used in the event product is compromised. Personal protective equipment should be chosen according to national standards and in discussion with the supplier of the protective equipment.

Hand protection:
Wear protective gloves. Chemically impervious gloves as described by OSHA's hand protection regulations in 29 CFR 1910.138

Eye protection:
Chemical goggles or safety glasses

Skin and body protection:
Wear suitable protective clothing. In case of fire: Chemical-resistant, impervious, and thermal rated

Respiratory protection:
No respiratory protection needed under normal use conditions. Use NIOSH approved respirator if ventilation is inadequate. SCBA for emergency responders. Must be used in accordance with an OSHA compliant respiratory protection program.

Personal protective equipment symbol(s):

Other information:

Do not eat, drink or smoke during use.

SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	:	Solid
Appearance	:	Rectangular shape.
Color	:	Tan
Odor	:	No data available
Odor threshold	:	No data available
pH	:	No data available
Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	No data available
Flammability (solid, gas)	:	Non flammable.
Vapor pressure	:	No data available
Relative vapor density at 20°C	:	No data available
Relative density	:	No data available
Solubility	:	No data available
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity, kinematic	:	No data available
Explosion limits	:	No data available
Particle characteristics	:	No data available

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

SECTION 10 Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Compromised lithium ion battery may liberate flammable gas mixture.

10.3. Possibility of hazardous reactions

Damaged non-discharged batteries contain elemental Lithium that is water reactive. This reaction gives off heat and hydrogen gas.

10.4. Conditions to avoid

Incompatible materials. Direct sunlight. Extremely high or low temperatures. Prolonged overcharge. Excessive physical shock and vibration.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition generates: Carbon monoxide. Hydrogen fluoride. Compromised lithium ion batteries may liberate irritating and toxic gases from decomposition by heat and combustion if burned; corrosive or toxic fumes may also be generated.

SECTION 11 Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Copper	
LD50 dermal rat	> 2000 mg/kg body weight
LC50 Inhalation - Rat	> 5.11 mg/l air

N-methyl pyrrolidone	
LD50 oral rat	4150 mg/kg body weight
LD50 dermal rat	> 5000 mg/kg body weight
LC50 Inhalation - Rat	> 5.1 mg/l air

Aluminum	
LD50 oral rat	> 15900 mg/kg body weight
LC50 Inhalation - Rat	> 0.888 mg/l air

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

N-methyl pyrrolidone	
NOAEL (chronic,oral,animal/male,2 years)	≈ 89 mg/kg body weight
NOAEL (chronic,oral,animal/female,2 years)	≈ 221 mg/kg body weight

Reproductive toxicity : May damage fertility or the unborn child.

N-methyl pyrrolidone	
LOAEL (animal/female, F0/P)	500 mg/kg body weight
NOAEL (animal/male, F0/P)	≥ 500 mg/kg body weight
NOAEL (animal/female, F0/P)	350 mg/kg body weight
Aluminum	
NOAEL (animal/male, F0/P)	1000 mg/kg body weight

STOT-single exposure : Not classified

N-methyl pyrrolidone	
STOT-single exposure	May cause respiratory irritation.
Specific concentration limits	≥ 10 %

STOT-repeated exposure : Not classified

N-methyl pyrrolidone	
LOAEL (dermal,rat/rabbit,90 days)	1653 mg/kg body weight
NOAEL (dermal,rat/rabbit,90 days)	826 mg/kg body weight
Aluminum	
LOAEC (inhalation, rat, dust/mist/fume, 90 days)	0.05 mg/l air
NOAEL (subchronic,oral,animal/male,90 days)	1034 mg/kg body weight
NOAEL (subchronic,oral,animal/female,90 days)	1087 mg/kg body weight

Aspiration hazard : Not classified

Symptoms/effects : In the form in which it is marketed, the product causes no danger to health for humans through inhalation, swallowing or contact with the skin. If the product form in the as-supplied state is changed through further processing (e.g. through grinding, polishing, electrical discharge machining, welding or melting) and dust or vapours are produced, the following hazards are associated with the product.

Symptoms/effects after inhalation : Not expected to present a significant inhalation hazard under anticipated conditions of normal use.

Symptoms/effects after skin contact : Not expected to present a significant eye contact hazard under anticipated conditions of normal use.

Symptoms/effects after eye contact : Not expected to present a significant eye contact hazard under anticipated conditions of normal use.

Symptoms/effects after ingestion : Not expected to present a significant hazard under anticipated conditions of normal use.

Chronic symptoms : May damage fertility or the unborn child.

SECTION 12 Ecological information

12.1. Ecotoxicity

Hazardous to the aquatic environment, short–term (acute) : Toxic to aquatic life

Hazardous to the aquatic environment, long–term (chronic) : Harmful to aquatic life with long lasting effects

N-methyl pyrrolidone	
LC50 - Fish [1]	> 500 mg/l
EC50 72h - Algae [1]	600.5 mg/l
EC50 72h - Algae [2]	672.8 mg/l
LOEC (chronic)	25 mg/l
NOEC (chronic)	12.5 mg/l

Aluminum	
EC50 72h - Algae [1]	1.05 mg/l
EC50 72h - Algae [2]	0.2 mg/l

12.2. Persistence and degradability

Lithium Rechargeable Battery Pack	
Persistence and degradability	Not established.

Copper	
Persistence and degradability	Not rapidly degradable

N-methyl pyrrolidone	
Persistence and degradability	Not rapidly degradable

Aluminum	
Persistence and degradability	Not rapidly degradable

12.3. Bioaccumulative potential

Lithium Rechargeable Battery Pack	
Bioaccumulative potential	Not established.

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Ozone : Not classified

Fluorinated greenhouse gases : No

Other information : Avoid release to the environment.

SECTION 13 Disposal considerations

Regional waste regulation	:	Disposal must be done according to official regulations. The battery should not be released to the environment, so they should be recycled wherever possible or be disposed of as hazardous waste at an appropriate hazardous waste collection site.
Waste treatment methods	:	Batteries are not to be treated as ordinary trash. Do not dissect, pierce, crush or treat similarly. Dispose of contents/container in accordance with licensed collector's sorting instructions. Must follow special treatment according to local regulation.
Sewage disposal recommendations	:	Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	:	Battery should be fully discharged before being sent for recycling. Do not break open or damage batteries prior to disposal. Care should be taken at all times to ensure used batteries are not damaged during storage or transportation.
Ecological waste information	:	Avoid release to the environment.

SECTION 14 Transport information

In accordance with DOT / IMDG / IATA

DOT	IMDG	IATA
14.1. UN number		
UN3480, UN3481	3480, 3481	3480, 3481
14.2. Proper Shipping Name		
UN 3480, Lithium Ion batteries UN 3481, Lithium Ion batteries, contained in equipment UN 3481, Lithium Ion batteries, packed with equipment	UN 3480, Lithium Ion batteries UN 3481, Lithium Ion batteries, contained in equipment UN 3481, Lithium Ion batteries, packed with equipment	UN 3480, Lithium Ion batteries UN 3481, Lithium Ion batteries, contained in equipment UN 3481, Lithium Ion batteries, packed with equipment
14.3. Transport hazard class(es)		
9	9	9
14.4. Packing group		
Not applicable	Not applicable	Not applicable
14.5. Environmental hazards		
	Dangerous for the environment: No Marine pollutant: No	
No supplementary information available		

14.6. Transport in bulk

Not applicable

14.7. Special precautions for user

DOT

UN-No. (DOT)	:	UN3480, UN3481
DOT Packaging Exceptions (49 CFR 173.xxx)	:	185
DOT Packaging Non Bulk (49 CFR 173.xxx)	:	185
DOT Packaging Bulk (49 CFR 173.xxx)	:	185
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	:	Forbidden

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	:	35 kg
DOT Vessel Stowage Location	:	A - The material may be stowed ‘‘on deck’’ or ‘‘under deck’’ on a cargo vessel and on a passenger vessel.

IMDG

Special provision (IMDG)	:	188, 230, 310, 348, 376, 377, 384, 387
Limited quantities (IMDG)	:	0
Excepted quantities (IMDG)	:	E0
Packing instructions (IMDG)	:	P903, P908, P909 , P910, P911, LP903, LP904, LP905, LP906
EmS-No. (Fire)	:	F-A - FIRE SCHEDULE Alfa - GENERAL FIRE SCHEDULE
EmS-No. (Spillage)	:	S-I - SPILLAGE SCHEDULE India - FLAMMABLE SOLIDS (REPACKING POSSIBLE)
Stowage category (IMDG)	:	A
Stowage and handling (IMDG)	:	SW19
Properties and observations (IMDG)	:	Electrical batteries containing lithium ion may react (e.g. flame, heat, emission of toxic, corrosive or flammable gases or vapours) or disassemble due to damage, defects or short circuit.

IATA

PCA Excepted quantities (IATA)	:	E0
PCA Limited quantities (IATA)	:	Forbidden
PCA limited quantity max net quantity (IATA)	:	Forbidden
PCA packing instructions (IATA)	:	Forbidden
PCA max net quantity (IATA)	:	Forbidden
CAO packing instructions (IATA)	:	See 965
CAO max net quantity (IATA)	:	See 965
ERG code (IATA)	:	12FZ

SECTION 15 Regulatory information

15.1. Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory, except for:		
Carboxymethylcellulose sodium salt	CAS-No. 9085-26-1	≤ 1.647%
Metal Oxide	CAS-No.	≤ 41.185%
Electrolyte	CAS-No.	≤ 16.474%
Contains chemical(s) subject to TSCA 12b export notification if product is shipped outside the U.S		
N-methyl pyrrolidone	CAS-No. 872-50-4	0.12%

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.		
Copper	CAS-No. 7440-50-8	≤ 8.237%
Aluminium and aluminium components, non-flammable solid	CAS-No. 7429-90-5	≤ 8.237%

Copper (7440-50-8)	
CERCLA RQ	5000 lb

15.2. International regulations

CANADA

Copper (7440-50-8)

Listed on the Canadian DSL (Domestic Substances List)

N-methyl pyrrolidone (872-50-4)

Listed on the Canadian DSL (Domestic Substances List)

Aluminum (7429-90-5)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

Copper (7440-50-8)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

N-methyl pyrrolidone (872-50-4)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Aluminum (7429-90-5)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

15.3. State regulations

WARNING: This product can expose you to N-Methylpyrrolidone, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Component	State or local regulations
Copper(7440-50-8)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - New York City - Right to Know Hazardous Substances List; U.S. - Pennsylvania - RTK (Right to Know) List
N-methyl pyrrolidone(872-50-4)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List
Aluminum(7429-90-5)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - New York City - Right to Know Hazardous Substances List; U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16 Other information

This product under normal conditions of use does not pose a physical or health risk and is considered an article.Thus, it is exempt from the requirements of the Hazardous Communication Standard therefore, a SDS is not required. See 29 CFR § 1910.1200(b)(6)(v). This Safety Data Sheet and the information described voluntarily offers helpful information for safe handling and environmental care and can be provided in the event where the integrity of the product may be compromised.

Lithium Rechargeable Battery Pack

Safety Data Sheet

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Issue date : 6/30/2026

Full text of hazard classes and H-statements	
H227	Combustible liquid
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H360	May damage fertility or the unborn child
H400	Very toxic to aquatic life

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

Revision History:

Revision	Description	DCR #	Date
-	Initial Release.	26-0105	07 JUL 2026

Required Approvals:

Originator	Dave Gould	Date: 02 JUL 2026