SAFETY DATA SHEET

RECHARGEABLE LI-ION BATTERY

Infosafe No.: LQCW3
ISSUED Date : 17/09/2025
ISSUED by: ADVENTURE OPERATIONS AUSTRALIA PTY LTD

Section 1 - Identification

Product Identifier
RECHARGEABLE LI-ION BATTERY

Company Name
ADVENTURE OPERATIONS AUSTRALIA PTY LTD (ABN 43 622 679 887)

Address
71 Charles Ulm Place, Eagle Farm
QLD 4009 Australia

Telephone/Fax Number
Tel: 07 31931110

Emergency Phone Number
1800 638 556 (24h)

E-mail Address
info@adventureoperations.com

Recommended use of the chemical and restrictions on use
Battery

Other Names

Name
WT 21700 2S2P
WT21700 1S1P

Other Information
Although the information and recommendations set forth in this SDS are presented in good faith and are believed to be correct as of the date of this SDS, ADVENTURE OPERATIONS AUSTRALIA PTY LTD makes no representations as to the completeness or accuracy thereof. Information is supplied on the conditions that the persons receiving and using it will make their own determination as to the suitability for their purpose prior to use. In no event will ADVENTURE OPERATIONS AUSTRALIA PTY LTD or any affiliate thereof be responsible for damages of any nature whatsoever resulting from the use or reliance on the information set forth in the SDS.

Section 2 - Hazard(s) Identification

GHS classification of the substance/mixture
Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.
Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

Other Information
The battery is sealed hermetically and designed to withstand temperatures and pressures encountered during normal use. Thus, the ingredients have no hazard potential except if the battery is violated or dismantled. If exposed to a fire, mechanical shocks, and electric stress by miss-use, the battery cell case will be breached and the hazardous materials may be released and acrid gas may be emitted. Therefore the batteries should not be short circuited, overcharged, punctured, incinerated, immersed in water, force discharged or exposed to temperatures above the temperature range of the cell or battery.

Section 3 - Composition and Information on Ingredients

Ingredients

Name	CAS	Proportion
Cobalt Lithium Oxide (LiCOO2)	12190-79-3	20-40 %
Graphite	7782-42-5	10-20 %
Aluminium	7429-90-5	5-10 %
Lithium hexafluorophosphate	21324-40-3	1-10 %
Copper (Foil, Rod, Slug)	7440-50-8	1-10 %
1-Propene, 1,1,2,3,3,3-hexafluoro-, polymer with 1,1-difluor oethene	9011-17-0	1-10 %
dimethyl carbonate	616-38-6	1-10 %
Ethyl methyl carbonate	623-53-0	1-10 %
Ethylene carbonate	96-49-1	1-10 %
Diethyl carbonate	105-58-8	1-10 %
propylene carbonate	108-32-7	1-5 %
Carbon black	1333-86-4	0.1-<1 %
Rubber, butadiene styrene	61789-96-6	0.1-<1 %
Ingredients determined not to be hazardous		Balance

Information on Composition
The hazardous components of this cell or battery are contained within a sealed unit.

Section 4 - First Aid Measures

Inhalation
Not considered a potential route of exposure for intact product, when used as intended. However, if the sealed unit is damaged and if inhaled, remove affected person from contaminated area. Apply artificial respiration if not breathing. Seek medical attention.

Ingestion
Not considered a potential route of exposure for intact product, when used as intended. However, if the sealed unit is damaged and exposure occurs, do not induce vomiting. Wash out mouth thoroughly with water. Seek immediate medical attention.

Skin
Not considered a potential route of exposure for intact product, when used as intended. However, if the sealed unit is damaged and exposure occurs, remove immediately any contaminated or splash cloth and wash before reuse. Wash off skin thoroughly with cold water during more than 15 minutes. Consult a doctor.

Eye
Not considered a potential route of exposure for intact product, when used as intended. However, if the sealed unit is damaged and contents is in eyes, hold eyelids apart and flush the eyes continuously with running water. Remove contact lenses. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes. Seek immediate medical attention.

First Aid Facilities
Eyewash, safety shower and normal washroom facilities.

Advice to Doctor
Treat symptomatically.

Other Information
For advice in an emergency, contact a Poisons Information Centre (Phone Australia 131 126) or a doctor at once.

Section 5 - Firefighting Measures

Suitable Extinguishing Media
Use water, dry sand and other proper fire extinguishing media.

Unsuitable Extinguishing Media
Do not use water jet.

Hazards from Combustion Products
Under fire conditions this product may emit carbon monoxide, carbon dioxide and lithium oxide.

Specific hazards arising from the chemical
Dusts at sufficient concentrations can form explosive mixtures with air. Combustion generates toxic fumes.
Batteries close to fire should be removed only if safe to do so. Use water spray to cool fire exposed batteries.

Hazchem Code
2Y

Decomposition Temperature
Not available

Precautions in connection with Fire
Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode. In case of fire the product may be violently or explosively reactive. Use water spray to disperse vapours. This product should be prevented from entering drains and watercourses.

Section 6 - Accidental Release Measures

Emergency Procedures
In case of rupture, Attention! Corrosive material. Avoid contact with skin, eye and clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Refer to protective measures listed in Section 7 and 8.

The material contained within the battery is released only in the case of mechanical, electrical or thermal abuse. In the event of battery rupture and leakage allow the batteries to cool and the vapour to dissipate. Stop leak if safe to do so and absorb spill with sand, earth or some other inert absorbent material. Collect the spilled material and place into a suitable plastic lined container for disposal. Clean spill surface with detergent and water, collect all contaminated wash water for proper disposal.

Section 7 - Handling and Storage

Precautions for Safe Handling
Before use read the product label carefully. Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours.
Charge according to manufacturer's specifications. Do not overcharge, short-circuit, force discharge, disassemble, crush, deform, expose to high temperatures or incinerate. Do not allow battery terminals to contact each other or other metals. Do not weld, solder or in any way modify batteries. Do not damage or remove the external casing. Ensure batteries are installed with the correct polarity.
The battery may explode cause burns, if disassembled, crushed or exposed to fire or high temperatures. Do not short or install with incorrect polarity.

Conditions for safe storage, including any incompatibilities
If the battery is subject to storage for such as long term as more than 3 months, it is recommended to recharge the battery periodically.
Long period storage: 25+/-5°C, 60+/-25% (Relative humidity)
Do not storage the battery haphazardly in a box or drawer where they may short-circuit each other or be short-circuited by other metal objects.
Keep out of reach of children.
Do not expose the battery to heat or fire. Avoid storage in direct sunlight.
Do not store together with oxidizing and acidic materials.

Section 8 - Exposure Controls and Personal Protection

Occupational exposure limit values
Battery cell is not a substance. It is a closed-structure mixture therefore no consideration on exposure controls. When it is opened or ruptured, then users should follow instructions for exposure controls or personal protection of each substance hazardous ingredients of battery cell, e.g. electrolyte.

Biological Monitoring
No biological limits allocated.

Control Banding
Not available

Engineering Controls
None required, when used as intended.

Respiratory Protection
None required, when used as intended. Industrial Application: If engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable dust/particulate filter should be used. Refer to relevant regulations for further information concerning respiratory protective requirements. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and Maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices, in order to make any necessary changes for individual circumstances.

Eye and Face Protection
None required, when used as intended. Industrial Application: Safety glasses with side shields, chemical goggles or full-face shield as appropriate should be used. Final choice of appropriate eye/face protection will vary according to individual circumstances. Eye protection devices should conform to relevant regulations.
Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 (series) - Eye Protectors for Industrial Applications.

Hand Protection
Not generally required. Wear chemical resistant gloves during battery component disassembly. In the event of a leakage, impervious gloves should be used. Final choice of appropriate gloves will vary according to individual circumstances. i.e. methods of handling or according to risk assessments undertaken. Occupational protective gloves should conform to relevant regulations. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

Thermal Hazards
No further relevant information available.

Body Protection
Suitable protective workwear, e.g. cotton overalls buttoned at neck and wrist is recommended. Chemical resistant apron is recommended where large quantities are handled.

Section 9 - Physical and Chemical Properties

Properties	Description	Properties	Description
Form	Article - Battery	**Appearance**	Solid (Approximate Cuboid)
Colour	Blue/grey	**Odour**	Odourless
Melting Point	Not available	**Boiling Point**	Not available
Decomposition Temperature	Not available	**Solubility in Water**	Insoluble (Content in the battery is partially soluble in water)
Specific Gravity	Not available	**pH**	Not applicable
Vapour Pressure	Not applicable	**Relative Vapour Density (Air=1)**	Not applicable
Evaporation Rate	Not applicable	**Odour Threshold**	Not available
Viscosity	Not available	**Partition Coefficient: n-octanol/water (log value)**	Not available
Flash Point	Not applicable	**Flammability**	Not flammable. Will burn in fire conditions
Auto-Ignition Temperature	Not available	**Explosion Limit - Upper**	Not available
Explosion Limit - Lower	Not available	**Oxidising Properties**	Not available
Particle Size	Not available	**Particle Characteristics**	Not available

Section 10 - Stability and Reactivity

Reactivity
Reacts with incompatible materials.

Chemical Stability
Stable at ambient temperature and under normal conditions of storage and use.

Possibility of hazardous reactions
Reacts with incompatible materials.

Conditions to Avoid
Mechanical and electrical abuse such as short circuiting, overcharging, installing with incorrect polarity, disassembling or crushing. Protect from heat, sparks and open flames. Avoid excessive moisture.
Heat above 70°C or incinerate, deform, mutilate, crush, disassemble, overcharge, short circuit, expose over a long period to humid conditions.

Incompatible Materials
Strong oxidizers, mineral acids, strong alkalis, halogenated hydrocarbons.

Hazardous Decomposition Products
Toxic fumes, and may form peroxides.

Hazardous Polymerization
Not available

Section 11 - Toxicological Information

Toxicology Information
No toxicity data available for this material.

Ingestion
Swallowing of the contents of this product can be harmful or irritating to the gastric tract causing nausea and vomiting.

Inhalation
Inhalation of vapours from an open battery may cause irritation of the respiratory system.

Skin
Contents of an open battery can be irritating or corrosive to skin. Causes severe skin burns.

Eye
Contents of an open battery cause serious eye damage. May cause irritation and redness.

Respiratory Sensitisation
Not expected to be a respiratory sensitiser.

Skin Sensitisation
Not expected to be a skin sensitiser.

Germ Cell Mutagenicity
Not considered to be a mutagenic hazard.

Carcinogenicity
Not considered to be a carcinogenic hazard.

Reproductive Toxicity
Not considered to be toxic to reproduction.

STOT - Single Exposure
Not expected to cause toxicity to a specific target organ.

STOT - Repeated Exposure
Not expected to cause toxicity to a specific target organ.

Aspiration Hazard
Not expected to be an aspiration hazard.

Section 12 - Ecological Information

Ecotoxicity
No ecological data available for this material.

Persistence and degradability
Not available

Mobility
Not available

Bioaccumulative Potential
Not available

Other Adverse Effects
Not available

Environmental Protection
Do not discharge this material into waterways, drains and sewers.

Hazardous to the Ozone Layer
This product is not expected to deplete the ozone layer.

Section 13 - Disposal Considerations

Disposal Considerations
The disposal of the spilled or waste material must be done in accordance with applicable local and national regulations. Do not incinerate, since batteries may explode at excessive temperatures.
To minimise personal exposure to the chemical, refer to Section 8—Exposure controls and personal protection. Return whole scrap batteries to the distributor, manufacturer or a licensed battery recycler.

Section 14 - Transport Information

Transport Information

Road and Rail Transport (ADG Code):
This material is classified as Dangerous Goods Class 9 Miscellaneous Dangerous Goods
Class 9: Miscellaneous substances Dangerous Goods are incompatible in a placard load with any of the following:
Class 1: Explosives (when the class 9 substance is a fire risk substance) Division 5.1: Oxidising substances (when the class 9 substance is a fire risk substance) and
Division 5.2: Organic peroxides (when the class 9 substance is a fire risk substance)

Marine Transport (IMO/IMDG):
Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.
UN No.: 3480
Proper Shipping Name: LITHIUM ION BATTERIES
DG Class: 9
Packaging Group: -
EMS No.: F-A, S-I
Special Provisions: 188, 230, 310, 348, 376, 377, 384, 387

Air Transport (ICAO/IATA):
Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.
UN No: 3480
Proper Shipping Name: : Lithium ion batteries
Class: 9
Packing Group: -
Label: Miscellaneous
Packing Instruction: Forbidden (For passenger and cargo aircraft)
Packing Instruction: 965 (For cargo aircraft only)
Special Provisions: A88, A99, A154, A164, A183, A201, A213, A331, A334, A802

UN Number
3480

Proper Shipping Name
LITHIUM ION BATTERIES

Transport Hazard Class
9

Hazchem Code
2Y

IERG Number
26

Special Precautions for User
Not available

IMDG Marine pollutant
No

Transport in Bulk
Not available

Additional Information
The product can also be transported UN No.: 3481, LITHIUM ION BATTERIES PACKED WITH EQUIPMENT.

Marine Transport (IMO/IMDG):
Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.
UN No.: 3481
Proper Shipping Name: LITHIUM ION BATTERIES CONTAINED IN EQUIPMENT or LITHIUM ION BATTERIES PACKED WITH EQUIPMENT (including lithium ion polymer batteries)
DG Class: 9
Packaging Group: -
EMS No.: F-A, S-I

Special Provisions: 188, 230, 310, 348, 360, 376, 377, 384, 387, 390

Air Transport (ICAO/IATA):
Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.
UN No: 3481
Proper Shipping Name: : Lithium ion batteries packed with equipment or Lithium ion batteries contained in equipment (including ion polymer batteries)
Class: 9
Packing Group: -
Label: Miscellaneous Lithium batt
Packing Instruction: Forbidden (For passenger and cargo aircraft)
Packing Instruction: See 966 (Lithium ion batteries packed with equipment)(For cargo aircraft only)
Packing Instruction: See 967 (Lithium ion batteries contained in equipment)For cargo aircraft only)

Special Provisions:
Lithium ion batteries packed with equipment: A88, A99, A154, A164, A181, A185, A213, A802
Lithium ion batteries contained in equipment: A48, A88, A99, A154, A164, A181, A185, A213, A220

Section 15 - Regulatory Information

Regulatory Information
Not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety Regulations, Australia.
Not classified as a Scheduled Poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Poisons Schedule
Not Scheduled

Montreal Protocol
Not listed

Stockholm Convention
Not listed

Rotterdam Convention
Not listed

International Convention for the Prevention of Pollution from Ships (MARPOL)
Not available

Agricultural and Veterinary Chemicals Act 1994
Not available

Basel Convention
Not available

Section 16 - Any Other Relevant Information

Date of Preparation
SDS created: September 2025

Version Number
1.0

Literature References
Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice.
Standard for the Uniform Scheduling of Medicines and Poisons.
Australian Code for the Transport of Dangerous Goods by Road & Rail.
Work Health and Safety Regulations, Schedule 10: Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.
Code of Practice for Supply Diversion into Illicit Drug Manufacture.
National Code of Practice for Chemicals of Security Concern.
Agricultural Compounds and Veterinary Chemicals Act.

International Agency for Research on Cancer (IARC) Monographs.
Montreal Protocol on Substances that Deplete the Ozone Layer.
Stockholm Convention on Persistent Organic Pollutants (POPs).
Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade.
Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and Their Disposal.
International Air Transport Association (IATA) Dangerous Goods Regulations.
International Maritime Dangerous Goods (IMDG) Code.
Workplace exposure standards for airborne contaminants.
Adopted biological exposure determinants, American Conference of Industrial Hygienists (ACGIH).
Globally Harmonised System of Classification and Labelling of Chemicals (7th revised edition).
Code of Practice: Managing Noise and Preventing Hearing Loss at Work.

END OF SDS