



SAFETY DATA SHEET

ROVER 120AH LITHIUM BATTERY

Infosafe No.: LQD3N
ISSUED Date : 20/02/2026
ISSUED by: ADVENTURE OPERATIONS
AUSTRALIA PTY LTD

Section 1 - Identification

Product Identifier

ROVER 120AH LITHIUM BATTERY

Product Code

10001924

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

Lithium ion power station.

Additional Information

Rating: 12.8V, 120Ah, 1536Wh

Weight (kg): 10.5 kg

Size (mm) L X W X T: 330 X 172 X 215

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

Not dangerous with normal use. Do not dismantle, open or shred the battery ingredients contained within or their ingredients products could be harmful.

Section 3 - Composition and Information on Ingredients

Ingredients

Name	CAS	Proportion
Lithium iron phosphate	15365-14-7	1-<45 %
Graphite	7782-42-5	1-<20 %
Ethyl methyl carbonate	623-53-0	1-<15 %
Aluminium	7429-90-5	1-<15 %
Copper	7440-50-8	1-<10 %
Ethylene Carbonate	96-49-1	1-<10 %
Lithium hexafluorophosphate	21324-40-3	0-<5 %

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 exposure occurs, remove affected person from contaminated area. Keep at rest until recovered. If symptoms develop and/or persist 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.

If the sealed unit is damaged and exposure occurs: remove all contaminated clothing immediately. Wash gently and thoroughly with water and non-abrasive soap for 15 minutes. Ensure contaminated clothing is washed before re-use or discard. Seek immediate medical attention.

Eye

Not considered a potential route of exposure for intact product, when used as intended. If the sealed unit is damaged and exposure occurs: If in eyes, hold eyelids apart and flush the eye continuously with running water. 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 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

Carbon dioxide, dry chemical, foam, water fog or water mist.

Unsuitable Extinguishing Media

Do not use water jet.

Hazards from Combustion Products

Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including lithium oxide fumes, carbon monoxide, carbon dioxide and oxides of nitrogen.

Specific hazards arising from the chemical

May decompose upon combustion to generate irritating, corrosive or toxic fumes. Fumes may cause dizziness or suffocation.

Hazchem Code

2Y

Decomposition Temperature

Not applicable

Precautions in connection with Fire

Fire fighters should wear full protective clothing and self-contained breathing apparatus (SCBA) operated in positive pressure mode. Fight fire from safe location.

Section 6 - Accidental Release Measures

Emergency Procedures

In case of rupture, Attention! Corrosive material. Wear appropriate personal protective equipment and clothing to prevent exposure. Ensure adequate ventilation. Remove all sources of ignition. If the electrolyte leaks, use soil, sand or other non-combustible materials to absorb (dry sand or earth). Collect the material and place into a suitable labelled container. Dispose of waste according to the applicable local and national regulations. If contamination of sewers or waterways occurs inform the local water and waste management authorities in accordance with local regulations.

Section 7 - Handling and Storage

Precautions for Safe Handling

The battery may explode or cause burns, if disassembled, crushed or exposed to fire or high temperatures. Avoid exposure. Wear appropriate protective clothing and safety gloves. Maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking, smoking or using toilet facilities. Keep away from ignition sources. Do not expose the battery to excessive physical shock or vibration. Short-circuiting should be avoided. Do not open, disassemble, crush or burn the battery.

Conditions for safe storage, including any incompatibilities

Store in a cool, dry and ventilated area, away from incompatible substances. Keep away from ignition sources, heat, flame, oxidising and acidic materials. Do not disassemble battery. Ensure that storage conditions comply with applicable local and national regulations.

Section 8 - Exposure Controls and Personal Protection

Occupational exposure limit values

Battery is a sealed article and exposure to ingredients is not anticipated during normal use.

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. When handling damaged product, if engineering controls are not effective in controlling airborne exposure then an approved respirator with a replaceable dust/particulate/vapor 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. When handling damaged product, 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

None required, when used as intended. Gloves of impervious material are recommended when dealing with a leaking or ruptured cell or battery. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken.

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	Black cuboid
Colour	Black	Odour	If leaking, smells of medical ether
Melting Point	Not applicable	Boiling Point	Not applicable
Decomposition Temperature	Not applicable	Solubility in Water	Insoluble
Specific Gravity	Not applicable	pH	Not applicable
Vapour Pressure	Not applicable	Relative Vapour Density (Air=1)	Not applicable
Evaporation Rate	Not applicable	Odour Threshold	Not applicable
Viscosity	Not applicable	Volatile Component	Not applicable
Partition Coefficient: n-octanol/water (log value)	Not applicable	Flash Point	Not applicable
Flammability	Non-flammable	Auto-Ignition Temperature	Not applicable
Explosion Limit - Upper	Not available	Explosion Limit - Lower	Not available
Explosion Properties	Not available	Oxidising Properties	Not available
Particle Size	Not available		

Section 10 - Stability and Reactivity

Reactivity

Reacts with incompatible materials.

Chemical Stability

Stable under normal conditions of storage and handling.

Possibility of hazardous reactions

Reacts with incompatible materials.

Conditions to Avoid

Incinerate, Deform, Mutilate, Crush, Disassemble, Overcharge, Short circuit, Expose over a long period to humid conditions.

Incompatible Materials

Oxidizing agents, acid, base.

Hazardous Decomposition Products

Under fire conditions this product may emit toxic and/or irritating fumes, smoke and gases including lithium oxide, carbon monoxide, carbon dioxide and oxides of nitrogen.

Hazardous Polymerization

Not available

Section 11 - Toxicological Information

Toxicology Information

No toxicity data available for this product.

Ingestion

Ingestion unlikely due to form of product. Ingestion of battery contents may irritate the gastric tract causing nausea and vomiting.

Inhalation

No adverse effects expected. Exposure to contents of battery may cause irritation of the nose, throat and respiratory system.

Skin

Unlikely due to form of product. Exposure to contents of battery: May be irritating to skin. The symptoms may include redness, itching and swelling.

Eye

Unlikely due to form of product. Exposure to contents of battery: May be irritating to eyes. The symptoms may include redness, itching and tearing.

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 are 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

Return whole scrap batteries to the distributor, manufacturer or a licensed battery recycler.

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)

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

IATA UN Number

3480

IATA Proper Shipping Name

Lithium ion batteries

IATA/ICAO Symbol

Lithium ion batteries

IATA Transport Hazard Class

9

IATA Packing Group

NA

IMDG UN Number

3480

IMDG Proper Shipping Name

LITHIUM ION BATTERIES

IMDG Transport Hazard Class

9

IMDG Packing Group

NA

IMDG EMS

F-A, S-I

IMDG Marine pollutant

No

Transport in Bulk

Not available

Additional Information

UN 3481, may also be applicable when batteries are contained in equipment or packed with equipment.

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 listed

Section 16 - Any Other Relevant Information

Date of Preparation

SDS Created: February 2026

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

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