



Safety Information Sheet – “Flitecell Explore” Dangerous Goods According to UN3480 & UN3481

1. Product & Company Information

Headquarters, Sales, Service

Fliteboard Pty Ltd

6/4 Banksia Drive Byron Bay

Emergency – 1300 FLITE

Contact – David Trewern

Australian Business Number – 82 621 061 569



Product Specification / Technical Datasheet

Product Code	Flitecell Explore 40Ah
Mount	Flat for sealed compartment
Cell Chemistry	Li-Ion Aluminium (LiNiCoAlO ₂)
Cells	LG Chem 3000mAh 18650
Number of Cells	196
Capacity	40Ah / 2080 Wh
Voltage (Nominal)	52v
Dimensions	324mm x 230mm 80mm
Weight	13900g

02. Composition/Information on Ingredients**Characterisation**

Battery Pack including Lithium metal oxide battery cells. The pack consists of 196 cells type LG HG2 18650.

Important information

The battery should not be opened, heated above 60°C or burned since the exposition with the ingredients could be harmful under certain conditions. Use only original charger. The product contains neither metallic lithium nor lithium alloy.

Composition

- Kathode: Lithium-Metal Oxide (active material)
- Polyvinylidene Fluoride (binder)
- Graphite (conductive material)
- Aluminum Foil
- Anode Carbon (active material)
- Polyvinylidene fluoride (binder)
- Copper Foil
- Electrolyte Organic Solvent (non-aqueous liquid)
- Lithium Salt

3. Possible Risks

Not classified as dangerous according the EC-Guideline 1999/45/EG.

4. First aid measures

The batteries are hermetically closed. A risk of exposure can only occur when the cells are mechanically abused. The following first aid measures therefore only refer to the handling in the case of release of the ingredients and not on the use of the battery under normal conditions.

General information

Protection for first aid: Acid-resistant gloves or equivalent. After first aid measures a doctor should be consulted.

In case of eye contact:

- In case of eye contact rinse thoroughly with water
- Remove contact lenses if required
- Contact a doctor

In case of skin contact

- Take off contaminated clothes
- In case of skin contact wash off with water
- Contact a doctor

5. Fire-fighting measures

Suitable extinguishing measures

- Water, with or without additive
- Dry chemical extinguishers

Extinguishing measures that may not be used for safety reasons

- Full water jet, metal fire extinguisher, CO₂, sand, Pyrobubbles

Special exposure hazards arising from the substance, combustible products or resulting gases.

Fire fighting measures, rescue works and clearance works with impact of the smouldering fire fumes or fire gases should only be carried out with suitable respiratory protective equipment.

Additional information

Residues of fires and chemically contaminated water should be disposed in compliance with the local regulations.

6. Accidental release measures

Personal precautions

- Use personal protective clothing
- Avoid skin contact
- Respect section 4

7. Handling and storage

- Store in well ventilated cool areas
- Avoid Overheating, e.g. through incident solar radiation
- Protect from air humidity and water
- Do not short-circuit
- Storage temperature < 40°C
- For long term storage a charge state of 75% (2 LED on) is optimal

8. Exposure controls / personal protection

If handled in a suitable way, no personal protective equipment is necessary.

9. Physical and chemical properties

Compact Battery Pack with plastic and aluminum housing. The product neither contains metallic lithium nor lithium alloys.

10. Stability and Reactivity

Conditions to be avoided

Temperature >60°C

Shock in all axes

Mechanical forces greater than in normal use.

11. Toxicology

No risk if handled reasonable. In case of damages or improper use irritant or sensitizing ingredients may get released.

12. Ecology

No negative ecological effects are expected if the product is used and disposed according to local regulated guidelines.

13. Disposal

Batteries have to be collected separately from other waste. Avoid short circuits during collecting or storing. According to EU Directive 2006/66/EC the one who brings the battery on the market is responsible for a suitable collection and recycling of the battery system. Use only containers approved for collection.

14. Transport Information

Transport-temperature <60°C

Package

- All packages must be undamaged
- Provide complete labelling and designation
- Label
 - Complete address of sender and recipient
 - UN number UN 3480 (standalone battery) and UN 3481 (Battery contained in equipment or battery packed with equipment)
 - Include proper shipping name
 - Gross weight

Designation

- Danger designation Class 9 with Class number in bottom corner

Land transport according to ADR/RID

This product has to be transported according to

- Transport Description Lithium batteries, secondary
- UN -No.-3480

Fliteboard

Revision 20-09-2019

- Classification- 9
- Packaging Class-II
- Packaging Order-P903
- Limitations-gross weight <333kg
- Special Provision-310 (Chapter 3.3 ADR for Europe)
- Tunnel code –E

This product has to be transported according to

- Transport Description Lithium batteries, secondary
- UN -No.-3481
- Classification- 9
- Packaging Class-II
- Packaging Order-P903
- Limitations-gross weight <333kg
- Special Provision-310 (Chapter 3.3 ADR for Europe)

Sea ship / ocean route according to IMDG

This product has to be transported according to

- Transport Description Lithium batteries, secondary
- UN -No. 3480
- Classification 9
- Packaging Class II
- Packaging Order P903
- Special Provision 310 (Chapter 3.3 IMDG Code)

This product has to be transported according to

- Transport Description Lithium batteries, secondary
- UN -No. 3481
- Classification 9
- Packaging Class II
- Packaging Order P903

Air transport according to IATA-DGR 2016 Update III

This product has to be transported according to

- Transport Description Lithium batteries, secondary
- UN -No. 3480
- Classification 9
- Packaging Class II
- Packaging instruction PI965 Part IA
- Limitation 5kg net weight in passenger aircraft, 35kg net weight in cargo aircraft
- Packager qualification IATA-qualification in compliance with 1.5

This product has to be transported according to

- Transport Description Lithium batteries, secondary
- UN -No. 3481
- Classification 9
- Packaging Class II
- Packaging instruction PI967
- Limitation 35kg net weight in cargo aircraft
- Packager qualification IATA-qualification in compliance with 1.5

15. Other information

Data and recommendations based on regular use of the product (in this sense consult information on use and on product). For a regular use of the product please refer to the user manual. The information describes exclusively the safety requirements for the product (s) and is based on the present level of our knowledge.

1. Labeling for Carriage by Air for UN 3480 and UN 3481 (example below)

Correct labeling for cargo aircraft

