



FLITECELL (UN3481)

Safety Data Sheet

according to the Hazardous Substance SDS Notice 2017 (EPA)
Issue date: 13/02/2026 Version: 1.0

SECTION 1: Identification

1.1 Product identifier

Product name : FLITECELL (UN3481)
Product form : Article

1.2 Other means of identification

Other means of identification : FLITECELL EXPLORE
FLITECELL SPORT
FLITECELL NANO
MN FLITECELL EXPLORE
MN FLITECELL SPORT
MN FLITECELL NANO

1.3 Recommended use of the chemical and restrictions on use

Recommended use : Electrical batteries and accumulators

1.4 Details of manufacturer or importer

Fliteboard Pty Ltd
Unit 4, 18 Banksia Drive
Byron Bay NSW 2481
Australia
T APAC Enquiries: +61251189888
T EMEA Enquiries: +31 648 013 732
T Americas Enquiries: +1 833 359 0940
info@fliteboard.com - www.fliteboard.com

1.5. Emergency phone number

Emergency number : **24/7 Emergency Contact Numbers**

AT: +43 1 3649237 or 0800 293702
AU: +61 2 9037 2994 or 1800 862 115
BE: +32 2 808 32 37
CA: +1 703-741-5970
CH: +41-435082011
DE: 0800 1817059 or +43 1 3649237
ES: +34-931768545 or 900 868 538
FR: +33 9 75 18 14 07
GR: +30 21 1176 8478
IT: +39 02 4555 7031 or 800 789 767
LU: +352 20 20 24 16
NL: +31 85 888 0596
NZ: +64 9-801 0034 or 0800 425 459
PL: +48 22 398 80 29
UK: +44 20 3807 3798
US: +1 703-741-5970

SECTION 2: Hazard identification

2.1. Classification of the hazardous chemical

Classification according to the Environmental Protection Authority notices (EPA Hazardous Substances and New Organisms Act 1996)

Not classified

FLITECELL (UN3481)

Safety Data Sheet

according to the Hazardous Substance SDS Notice 2017 (EPA)

2.2. GHS Label elements, including precautionary statements

No labelling obligation.

2.3. Other hazards which do not result in classification

No additional information available

SECTION 3: Composition and information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to GHS NZ
	CAS-No.: 12190-79-3	< 70	Skin Sens. 1, H317 Carc. 1, H350
Nickel	CAS-No.: 7440-02-0	< 70	Skin Sens. 1, H317 Carc. 2, H351 STOT RE 1, H372
Ethylene carbonate	CAS-No.: 96-49-1	< 25	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 STOT RE 2, H373
propylene carbonate	CAS-No.: 108-32-7	< 25	Eye Irrit. 2, H319
ethyl methyl carbonate	CAS-No.: 623-53-0	< 25	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335
Lithium hexafluorophosphate(1-)	CAS-No.: 21324-40-3	1 – 10	Acute Tox. 3 (Oral), H301 Skin Corr. 1A, H314 STOT RE 1, H372

SECTION 4: First-aid measures

4.1. Description of necessary first-aid measures

First-aid measures general	: This information is of relevance only if the battery is broken and this results in a direct contact with the ingredients. If medical advice is needed, have product container or label at hand. Seek medical attention immediately. Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.
First-aid measures after skin contact	: Wash skin with plenty of water. Remove/Take off immediately all contaminated clothing. Get immediate medical attention.
First-aid measures after eye contact	: Immediately flush eyes thoroughly with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. immediate medical advice.
First-aid measures after ingestion	: Rinse mouth out with water. Do NOT induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. immediate medical advice.

4.2. Symptoms caused by exposure

Symptoms/effects	: Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/effects after inhalation	: Inhalation of material from a sealed battery is not an expected exposure route. Vapors or mists from a ruptured battery may cause respiratory irritation.

FLITECELL (UN3481)

Safety Data Sheet

according to the Hazardous Substance SDS Notice 2017 (EPA)

Symptoms/effects after skin contact	: Contact between the battery and skin will not cause any harm. Skin contact with positive and negative terminals of high voltages may cause burns to the skin. Skin contact with a ruptured or shorted battery can cause chemical burns or irritation upon contact with the skin.
Symptoms/effects after eye contact	: Contact between the battery and eye will not cause any harm. Eye contact with the contents of a ruptured battery can cause severe irritation to the eye.
Symptoms/effects after ingestion	: Swallowing of material from a sealed battery is not an expected exposure route. Swallowing mists from a ruptured battery may cause respiratory irritation, chemical burns of the mouth and gastrointestinal tract irritation.

4.3. Medical attention and special treatment

Other medical advice or treatment	: Treat symptomatically.
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SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Dry powder. Carbon dioxide. Sand.
Unsuitable extinguishing media	: Water.

5.2. Specific hazards arising from the chemical

Explosion hazard	: Explosion risk in case of fire.
General measures	: If the battery material is released, remove personnel from the area until fumes dissipate. Ventilate the area to remove the hazardous gases. Leave the area and allow the batteries to cool. Avoid skin and eye contact or inhalation of vapors.
Hazardous decomposition products in case of fire	: Toxic fumes may be released. Carbon oxides (CO, CO ₂). Metallic oxides.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
Hazchem Code	: 2Y
EAC code	: 2Y - 2Y

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: If the battery material is released, remove personnel from the area until fumes dissipate. Ventilate the area to remove the hazardous gases. Leave the area and allow the batteries to cool. Avoid skin and eye contact or inhalation of vapors.
6.1.1. For non-emergency personnel	
Emergency procedures	: Ventilate spillage area. Evacuate unnecessary personnel.
6.1.2. For emergency responders	
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and materials for containment and cleaning up

Methods for cleaning up	: Mechanically recover the product.
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FLITECELL (UN3481)

Safety Data Sheet

according to the Hazardous Substance SDS Notice 2017 (EPA)

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : The battery should not be opened or burned. Exposure to the ingredients contained within or their combustion products could be harmful. Concerning personal protective equipment to use, see section 8. Provide good ventilation in process area to prevent formation of vapour.
- Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Charging:
There is a possible risk of electric shock from charging equipment and from strings of series connected batteries, whether or not being charged. Shut-off power to chargers whenever not in use and before detachment of any circuit connections. Charging space should be ventilated.
- Storage conditions : Keep only in the original container in a cool well ventilated place. Keep container closed when not in use.
- Incompatible products : Strong acids. Strong bases. Strong oxidizing agent.
- Heat and ignition sources : Keep away from heat and direct sunlight.

SECTION 8: Exposure controls and personal protection

8.1. Control parameters - exposure standards

Nickel (7440-02-0)	
New Zealand - Occupational Exposure Limits	
Local name	Nickel
WES-TWA (OEL TWA)	0.005 mg/m ³ Elemental or metallic, r (The value for respirable dust) 0.02 mg/m ³ Inorganic compounds 0.005 mg/m ³ Inorganic compounds, r (The value for respirable dust)
Remark (NZ)	carcinogen category 2 (Suspected human carcinogen); sen (Sensitiser)
Regulatory reference	Workplace Exposure Standards and Biological Exposure Indices, 15th Edition

Exposure limit values for the other components

No additional information available

8.2. Monitoring methods

No additional information available

8.3. Engineering controls

- Appropriate engineering controls : Ensure good ventilation of the work station. hazards in case of damaged / ruptured battery.

8.4. Individual protection measures, such as personal protective equipment (PPE)

- Personal protective equipment : Gloves. Safety glasses. Protective clothing.
- Hand protection : Wear suitable gloves resistant to chemical penetration. Chemical resistant gloves (according to European standard NF ISO 374-1 or equivalent)

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Gloves	Polyvinylchloride (PVC), Nitrile rubber (NBR)	6 (> 480 minutes)	>0.11		ISO 374-1

- Eye protection : Safety glasses. DIN EN 166
- Skin and body protection : Wear suitable protective clothing. ISO 13688
- Respiratory protection : No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation. In case of inadequate ventilation wear respiratory protection. EN 143

FLITECELL (UN3481)

Safety Data Sheet

according to the Hazardous Substance SDS Notice 2017 (EPA)

Personal protective equipment symbol(s)



Environmental exposure controls

: Avoid release to the environment.

Other information

: Do not eat, drink or smoke during use. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

SECTION 9: Physical and chemical properties

Physical state	: Solid
Appearance	: No data available
Colour	: Colourless.
Odour	: odourless
Odour threshold	: No additional information available
pH	: No additional information available
Evaporation rate	: No additional information available
Melting point / Freezing point	: No additional information available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Flammability	: No additional information available
Vapour pressure	: No additional information available
Relative density	: No additional information available
Density	: No additional information available
Solubility	: insoluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Explosive limits	: No additional information available
Minimum ignition energy	: No data available

SECTION 10: Stability and reactivity

Reactivity	: The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: No additional information available
Conditions to avoid	: The battery should not be opened or burned. Exposure to the ingredients contained within or their combustion products could be harmful. Do not immerse in water, short circuit or overcharge. Keep away from heat and direct sunlight.
Incompatible materials	: Strong acids. Strong bases. Strong oxidizing agent.
Hazardous decomposition products	: Metal oxides. Carbon oxides (CO, CO ₂). Explosion risks of vapours.

SECTION 11: Toxicological information

11.1. Toxicity

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)

propylene carbonate (108-32-7)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 3000 mg/kg

Skin corrosion/irritation	: Not classified (Based on available data, the classification criteria are not met)
Serious eye damage/irritation	: Not classified (Based on available data, the classification criteria are not met)
Respiratory or skin sensitisation	: Not classified (Based on available data, the classification criteria are not met)

FLITECELL (UN3481)

Safety Data Sheet

according to the Hazardous Substance SDS Notice 2017 (EPA)

Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)

Nickel (7440-02-0)	
IARC group	2B - Possibly carcinogenic to humans
National Toxicology Program (NTP) Status	Reasonably anticipated to be Human Carcinogen

Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure : Not classified (Based on available data, the classification criteria are not met)

ethyl methyl carbonate (623-53-0)	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: Not classified (Based on available data, the classification criteria are not met)

Lithium hexafluorophosphate(1-) (21324-40-3)	
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.

Ethylene carbonate (96-49-1)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.

Nickel (7440-02-0)	
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

SECTION 12: Ecological information

12.1. Ecotoxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified (Based on available data, the classification criteria are not met)
Hazardous to the aquatic environment, long-term (chronic) : Not classified (Based on available data, the classification criteria are not met)
Soil toxicity : Not classified (Based on available data, the classification criteria are not met)
Terrestrial vertebrate toxicity : Not classified (Based on available data, the classification criteria are not met)
Terrestrial invertebrate toxicity : Not classified (Based on available data, the classification criteria are not met)

propylene carbonate (108-32-7)	
LC50 - Fish [1]	> 1000 mg/l
LD50 dermal rabbit	> 3000 mg/kg
LD50 oral rat	> 5000 mg/kg

12.2. Persistence and degradability

FLITECELL (UN3481)	
Persistence and degradability	Not applicable.

Lithium hexafluorophosphate(1-) (21324-40-3)	
Persistence and degradability	Readily biodegradable.

Ethylene carbonate (96-49-1)	
Persistence and degradability	Readily biodegradable.

propylene carbonate (108-32-7)	
Persistence and degradability	Biodegradability in water: no data available.

ethyl methyl carbonate (623-53-0)	
Persistence and degradability	Biodegradability in water: no data available.

FLITECELL (UN3481)

Safety Data Sheet

according to the Hazardous Substance SDS Notice 2017 (EPA)

(12190-79-3)

Persistence and degradability	Biodegradability in water: no data available.
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Nickel (7440-02-0)

Persistence and degradability	Biodegradability in water: no data available.
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12.3. Bioaccumulative potential

FLITECELL (UN3481)

Bioaccumulative potential	No additional information available
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12.4. Mobility in soil

FLITECELL (UN3481)

Mobility in soil	No additional information available
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12.5. Other adverse effects

Ozone	: Not classified (Based on available data, the classification criteria are not met)
Other adverse effects	: No additional information available

SECTION 13: Disposal considerations

Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Ecological waste information	: Avoid release to the environment.
Additional information	: Empty containers should be taken for recycling, recovery or waste in accordance with local regulation.

SECTION 14: Transport information

In accordance with IMDG / IATA / UN RTDG

IMDG	IATA	UNRTDG
14.1. UN number		
3481	3481	3481
14.2. UN Proper Shipping Name		
LITHIUM ION BATTERIES PACKED WITH EQUIPMENT	Lithium ion batteries packed with equipment	LITHIUM ION BATTERIES PACKED WITH EQUIPMENT
Transport document description		
UN 3481 LITHIUM ION BATTERIES PACKED WITH EQUIPMENT, 9	UN 3481 Lithium ion batteries packed with equipment, 9	UN 3481 LITHIUM ION BATTERIES PACKED WITH EQUIPMENT, 9
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	Dangerous for the environment: No	Dangerous for the environment: No

FLITECELL (UN3481)

Safety Data Sheet

according to the Hazardous Substance SDS Notice 2017 (EPA)

IMDG	IATA	UNRTDG
No supplementary information available		

14.6. Special precautions for user

Transport by road and rail

Special provisions (UN RTDG)	: 188, 230, 310, 348, 360, 376, 377, 384, 387, 390
Limited quantities (UN RTDG)	: 0
Excepted quantities (UN RTDG)	: E0
Packing instruction (UN RTDG)	: P903, P908, P909, P910, P911, LP903, LP904, LP905, LP906

Transport by sea

Special provisions (IMDG)	: 188, 230, 310, 348, 360, 376, 377, 384, 387, 390
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 encased in a rigid metallic body. Lithium ion batteries may also be shipped in, or packed with, equipment. Electrical lithium batteries may cause fire due to an explosive rupture of the body caused by improper construction or reaction with contaminants.

Air transport

PCA Excepted quantities (IATA)	: E0
PCA Limited quantities (IATA)	: Forbidden
PCA limited quantity max net quantity (IATA)	: Forbidden
PCA packing instructions (IATA)	: 966
PCA max net quantity (IATA)	: 5kg
CAO packing instructions (IATA)	: 966
CAO max net quantity (IATA)	: 35kg
Special provisions (IATA)	: A88, A99, A154, A181, A185, A213, A802
ERG code (IATA)	: 12FZ

14.7. Transport in bulk according to IMO instruments

Not applicable

14.8. Hazchem or Emergency Action Code

EAC code	: 2Y.
Hazchem Code	: 2Y

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations specific for the product in question

Ethylene carbonate (96-49-1)

Hazardous Substances and New Organisms Act

HSNO Approval Number	HSR004476
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propylene carbonate (108-32-7)

Hazardous Substances and New Organisms Act

HSNO Approval Number	HSR003348
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15.2. Chemical safety assessment

Global Inventories:

FLITECELL (UN3481)

Safety Data Sheet

according to the Hazardous Substance SDS Notice 2017 (EPA)

Australian Inventory of Industrial Chemicals (AICIS)	Listed (Phosphate(1-), hexafluoro-, lithium; 1,3-Dioxolan-2-one; 1,3-Dioxolan-2-one, 4-methyl-; ; Nickel)
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SECTION 16: Other information

Issue date	: 13/02/2026
Data sources	: ECHA (European Chemicals Agency). according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations. Supplier's safety documents. GB MCL.
Abbreviations and acronyms	: ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways ATE - Acute Toxicity Estimate CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008 IATA - International Air Transport Association IMDG - International Maritime Dangerous Goods LD50 - Median lethal dose PBT - Persistent Bioaccumulative Toxic REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 RID - Regulations concerning the International Carriage of Dangerous Goods by Rail SDS - Safety Data Sheet vPvB - Very Persistent and Very Bioaccumulative GHS - GHS: Globally Harmonized System of Classification and Labelling of Chemicals
Other information	: DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable. REACH Disclaimer: This information is based on current knowledge. Consistency of data in the SDS with CSR is considered, as far as the information is available at the time of compilation (cfr Revision date and Version number).

Full text of H-statements

Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Carc. 1	Carcinogenicity, Category 1
Carc. 2	Carcinogenicity, Category 2
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT RE 1	Specific target organ toxicity – Repeated exposure, Category 1
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation
H226	Flammable liquid and vapour
H301	Toxic if swallowed

FLITECELL (UN3481)

Safety Data Sheet

according to the Hazardous Substance SDS Notice 2017 (EPA)

Full text of H-statements	
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H350	May cause cancer
H351	Suspected of causing cancer
H372	Causes damage to organs through prolonged or repeated exposure
H373	May cause damage to organs through prolonged or repeated exposure

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