

SAFETY DATA SHEET

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2020/878

Date of Issue .28/07/2025:

1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Polymer Li-Ion Battery

This SDS provides relevant information to retailers, consumers and other users requesting a GHS compliant Safety Data Sheet. Articles such as batteries are exempt from GHS SDS classification criteria. The GHS criteria is not designed or intended to be used to classify the physical and environmental hazards of an article.

1.1 Product Identifier

Product Name Polymer Lithium Ion Battery
Product Code Contained within SWPB6

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified use(s) Portable Power Source
Uses advised against No further relevant information available.

1.3 Details of the supplier of the safety data sheet

Company Identification The Ace Supply Co LTD T/A Streetwize
Suite GA, Marsland House
Marsland Rd,
Sale
M33 3AQ
Telephone +44(0)1614478580
E-mail (competent person) sales@streetwize.co.uk

Only representative of a non-community manufacturer The Ace Supply Co Ltd (Europe)
25 Herbert Place
Dublin
D02 A098
Republic of Ireland
Telephone +44(0)1614478580
Email (competent person) sales@streetwize.co.uk

1.4 Emergency Telephone Number

Emergency Phone No. 0161 447 8580
Language(s) spoken: English

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2. SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture Regulation (EC) No. 1272/2008 (CLP)** Lithium Polymer batteries are not classified as a substance or mixture but as an article and are not hazardous when operated in accordance with the manufacturer's recommendations.
- 2.2 Label elements** Not applicable
Hazard Pictograms Not applicable
Hazard Pictograms Not applicable
- Signal Word(s)** Not applicable
Hazard determining Components Not applicable
Hazard Statements Not applicable
- Precautionary Statement(s)** Not applicable
- Supplemental information** Not applicable
- 2.3 Other hazards**

3. SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

- 3.1 Substances** - not applicable
- 3.2 Mixtures**

CHEMICAL COMPOSITION	CAS No.	EC No.	Concentration %
Lithium Cobalt	12190-79-3	235-362-0	15-37
Graphite	7782-42-5	231-955-3	10-38
Lithium Hexafluorophosphate	21324-40-3	244-334-7	10-27
Copper	7440-50-8	231-159-6	7-21
Aluminium Foil	7429-90-5	640-421-2	5-13
Nickel	7440-02-0	231-111-4	1-9

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4. SECTION 4: FIRST AID MEASURES



4.1 Description of first aid measures General Information

No action should be taken involving personal risk, wear appropriate personal protective equipment, avoid direct contact. Do not ingest.

Inhalation

IF INHALED If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical advice.

Skin contact

IF ON SKIN Gently wash with plenty of soap and water. Remove contaminated clothing. Seek medical attention if irritation persists.

Eye contact

IF IN EYES Rinse opened eye for several minutes under running water. Neutral saline solution may be used as soon as available. If symptoms persist consult a doctor.

Ingestion

IF SWALLOWED Rinse mouth thoroughly with water. **DO NOT INDUCE VOMITING.** Have victim drink 60-240ml (2-8 oz of water. Get immediate medical attention

4.2 Most important symptoms and effects, both acute and delayed

4.3 Indication of any immediate medical attention and special treatment needed

May cause an allergic skin reaction.

5. SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media
Unsuitable extinguishing media

Use fire extinguishing media appropriate for surrounding materials.
Under fire conditions, batteries may burst and release hazardous substances.

5.2 Special hazards arising from the substance or mixture

During heating or in case of fire poisonous gases are produced

5.3 Advice for firefighters

Fight fire with normal precautions from a reasonable distance. Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Keep containers cool by spraying with water if exposed to fire.

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6. SECTION 6: ACCIDENTAL RELEASE MEASURES

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|------------|---|--|
| 6.1 | Personal precautions, protective equipment, and emergency procedures | No action should be taken involving personal risk. Avoid breathing vapours. Avoid contact with skin and eyes. Wear appropriate personal protective equipment, avoid direct contact. Remove contaminated clothing and wash all affected areas with plenty of water. Take off contaminated clothing and wash before reuse. |
| 6.2 | Environmental precautions | Avoid release to the environment. |
| 6.3 | Methods and material for containment and cleaning up | Provided it is safe to do so, isolate the source of the leak. Recover the product where possible. Do not allow to enter drains, sewers or watercourses. Cover spills with dry sand or earth. Ventilate the area and wash spill site after material pick-up is complete. |
| 6.4 | Reference to other sections | See section: 7, 8, 13. |

7. SECTION 7: HANDLING AND STORAGE

- | | | |
|------------|---|---|
| 7.1 | Precautions for safe handling | In case of rupture handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes, or clothing. Use personal protective equipment. Keep away from ignition sources. DO NOT Smoke. |
| 7.2 | Conditions for safe storage, including any incompatibilities | Store in a dry, cool, well-ventilated area away from incompatible substances. Avoid storing in direct sunlight. Do not store battery haphazardly. Keep out of reach of children. |
| | Storage temperature | |
| | Incompatible materials | Do Not store together with oxidizing and acidic materials |
| 7.3 | Specific end use(s) | |

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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|------------|---------------------------|--|
| 8.1 | Control parameters | Li-Ion batteries are articles from which no substance is released when operated, handled and stored in accordance with the manufacturer's recommendations. |
| 8.2 | Exposure Control | Use engineering controls to control sources of dust, fumes and vapor. Keep away from heat and open flame. Store in a cool, dry place. |

Eye/ face protection



Eye protection: not required for consumer use. If there is a risk of contact safety goggles (EN166) and face shield

Skin protection



Hand protection: None required for consumer use. Gloves should be changed regularly to avoid permeation problems. Wear impervious gloves (EN374). Breakthrough time of the glove material: refer to the information provided by the gloves' producer.

Respiratory protection



No protective equipment is needed under normal use. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

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9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Odor	Smells of medical ether
Melting point/freezing point	Not available
Lower and upper explosion limit	Not available
Flash point	Not applicable
Decomposition temperature	Not available
pH	Not applicable as supplied
Solubility (water)	Not applicable
Vapour pressure	not applicable
Relative density	Not available
Viscosity	Not applicable

9.2 Other information No further relevant information available.

10. SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Stable under normal conditions
10.2 Chemical stability	Stable.
10.3 Possibility of hazardous reactions	No further relevant information available.
10.4 Conditions to avoid	No further relevant information available.
10.5 Incompatible materials	Oxidizing agents, acid
10.6 Hazardous decomposition products	Carbon oxides

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Irritation	Risk of irritation only occurs in the event of exposure to internal contents, vapour fumes may be very irritating to the eyes, skin and respiratory tract
Sensitization	No further information available
Reproductive Toxicity	No further information available
Toxicological Synergistic Materials	No further information available

11.2 Other information No further information available

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12. SECTION 12: ECOLOGICAL INFORMATION

12.1 General note:	Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
12.2 Anticipated behaviour of a chemical product in environment / possible environmental impact / ecotoxicity	No information available
12.3 Mobility in soil	Not available
12.4 Persistence and degradability	Not available
12.5 Results of PBT and vPvB assessment	Not available
12.6 Endocrine Disrupting properties	Not available
12.7 Other adverse effects	Not available

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	Deserted batteries should not be put into general household waste. Do not dispose of in fire. Do not dissect, pierce, or crush.
Waste classification according to Directive 2008/98/EC (Waste Framework Directive)	
13.2 Additional information	Disposal should be in accordance with local, state, or national legislation. Avoid release to the environment.

14. SECTION 14: TRANSPORT INFORMATION

Not classified according to the United Nations 'Recommendations on the Transport of Dangerous Goods'.

	ADR/RID	IMDG	IATA/CAO
14.1 UN number or ID number	UN 3481	UN 3481	UN 3481
14.2 UN proper shipping name	Lithium-ion Batteries contained in equipment	Lithium-Ion Batteries contained in equipment	Lithium-Ion Batteries contained in equipment
14.3 Transport hazard class(es)	9	9	9
14.4 Packing group	Not applicable	Not applicable	Not applicable
14.5 Marine Pollutant	No	No	No
14.6 Special Precautions for user	Not applicable	Not applicable	Not applicable
14.7 Maritime transport in bulk according to IMO instruments	not restricted	not restricted	Not restricted

15. SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	The lithium-ion batteries have passed the test UN38.3 according to the test report
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16. SECTION 16: OTHER INFORMATION

This SDS contains revisions or new statements: New SDS Regulation 2020/878 format. All sections have been updated to include new information. Please review this SDS with care.

Legend

ADR	ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN	ADN: European Agreement on the International Transport of Dangerous Goods by Inland Waterways
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
IATA	IATA: International Air Transport Association
ICAO	ICAO: International Civil Aviation Organization
IMDG	IMDG: International Maritime Dangerous Goods
REACH	Registration, Evaluation, Authorization and Restriction of Chemicals
GHS	Globally Harmonized System of Classification and Labelling.
EINECS	European Inventory of Existing Commercial Chemical Substances.
ELINCS	European List of Notified Chemical Substances.
CAS	Chemical Abstracts Service (division of the American Chemical Society)

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