

The product referenced herein is considered to be an “article” and therefore is exempt from UK Reach and the requirements of Article 31.

The European Classification and Labelling Regulation (EC) No 1272/2008 (CLP) and the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals exempt articles from the Safety Data Sheet requirements.

1. Chemical and Enterprise Identification

Product Name: myenergi libbi Battery Pack 5kWh (LiFePO4)

Model: LIBBI-BM5D1-A

Product Description: Rating – 51.2Vd.c., 100Ah, 5.12kWh

Weight – Approx. 50.5kg

Dimensions – Max. 725 x 418 x 190mm

Document Revision: 2.0

Issue Date: 01/07/2026

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Details of the Supplier of the MSDS

Supplier Identifier: myenergi Ltd

Address: Pioneer Business Park, Faraday Way, Stallingborough, DN41 8FF. United Kingdom.

Telephone: +44 (0)333 300 1303

Website: www.myenergi.com

Email: keith.bell@myenergi.com

Importer Company Details

Supplier Identifier: myenergi APAC Pty. Ltd.

Address: 40 Robbs Road, West Footscray 3012 Vic

Telephone: 1300 743 443

Website: www.myenergi.com/au

Material Safety Data Sheet



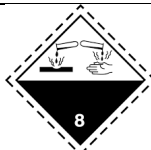
Email:

apac.support@myenergi.com

2. Hazard Identification

Classification: Lithium-ion Battery System

Hazard Statement: This product, when used under reasonable conditions and in accordance with the directions for its intended use, should not present a health hazard. The mixture is encapsulated in the product.

Classification		Labelling				Hazard Statement codes	
		Pictogram		Signal Wording	Hazard Statement		
Hazard class	Hazard category	GHS	UN Model Regulation				
Aspiration hazard	2		Not required	Warning	May be harmful if swallowed and enters airways	H305	
Acute toxicity	3	Oral		Not required	Warning	Harmful if swallowed	H302
		Dermal				Harmful in contact with skin	H312
		Inhalation				Harmful if inhaled	H332
Skin corrosion/irritation	2		Not required	Warning	Causes skin irritation	H315	
Serious eye damage/eye irritation	2/2A		Not required	Warning	Causes serious eye irritation	H319	
Skin sensitization	1, 1A ^a , 1B ^a		Not required	Warning	May cause an allergic skin reaction	H317	
Skin corrosion/irritation	1 1A, 1B, 1C ^a			Danger	Causes severe skin burns and eye damage	H314	
Serious eye damage/eye irritation	1		Not required	Danger	Causes serious eye damage	H318	

Note:

Categories may be applied where data are sufficient and where required by a competent authority.

3. Ingredients / Composition Information

Pure Chemical ☐ Mixture ☒

Chemical Name	CAS No.	Weight (%)	Remark
Lithium Iron Phosphate (LiFePO ₄)	15365-14-7	49	-
Lithium Hexafluorophosphate	21324-40-3	3	-
Aluminium	7429-90-5	6	-
Graphite	7782-42-5	24	-
Copper	7440-50-8	13	-
Poly (Vinyl Chloride)	9002-86-2	5	-

4. First Aid Measures

Lithium-Ion batteries are not dangerous when undamaged and used and stored as directed for its intended purpose. In the unlikely event the battery leaks and you come into contact with the internal substances, undertake the following measures:

- **Skin Contact** – In case of contact with skin, wash immediately with soap and copious amounts of water.
- **Eye Contact** – In case of contact with eyes, hold eyelids open and flush eyes with clean water for 15 minutes. THEN, seek medical attention.
- **Inhalation** – If inhaled, move yourself to a ventilated space or fresh air. If breathing becomes difficult, give oxygen and seek medical attention. If casualty stops breathing, begin CPR procedure and call the emergency services.
- **Ingestion** – If swallowed, wash out mouth with water (providing the affected person is conscious). Seek medical attention.

5. Fire-fighting Measures

In the event of a fire for where the product is stored, follow the information as directed:

- **Characteristics of hazard:** Toxic fumes; gases and/or vapours may evolve when burned.
- **Hazardous Combustion Products:** CO, CO₂, HF, Phosphorous fluoride
- **Fire-extinguishing Methods and Extinguishing Media:**
 - Water, CO₂, or Dry Chemical Powder methods may be used. If using water use copious amounts. Don't use warm or hot water.
 - For large fires, the fire and rescue service may need to supply water for hours or days to prevent re-ignition.
 - To mitigate within the lithium-ion battery, use a significant amount of clean/dry sand to immediately smother the thermal reaction.
- **Attention in Fire-extinguishing:** Firefighters should wear self-contained breathing apparatus.

6. Accidental release measures

Steps to be Taken in case Material is Released or Spilled

If the battery material is released, remove personnel from area until fumes dissipate. Provide maximum ventilation to clear out hazardous gases. Wipe it up with a cloth and dispose of it in a plastic bag and put into a steel can. The preferred response is to leave the area and allow the battery to cool and vapours to dissipate. Provide maximum ventilation. Avoid skin and eye contact or inhalation of vapours. Remove spilled liquid with absorbent and incinerate.

Waste Disposal Method

It is recommended to discharge the battery to the end, to use up the metal lithium inside the battery, and to bury the discharged battery in soil.

7. Handling and Storage

The battery should not be destroyed, opened or incinerated as this may lead to leakage or rupture and release the substances contained within. Do not short-circuit terminals, over-charge the battery, or throw into a fire. Do not crush or puncture the battery or immerse in any liquids.

Precautions when handling and storing

Avoid mechanical or electrical abuse. Store in a cool, dry and ventilated area which is subject to little temperature change. Avoid storing at high temperatures. Do not place battery near heating equipment or expose to direct sunlight for long periods.

Other precautions

The battery may explode or cause burns, if disassembled, crushed or exposed to fire or high temperatures. Do not install without correct polarity.

Personal Protection Equipment

Not necessary under conditions of normal use but it's recommended to wear respiratory protection, protective gloves, protective clothing and safety glasses with side shields when venting the battery.

8. Exposure control and personal protection

Respiratory Protection: In case of battery venting, provide as much ventilation as possible. Avoid confined areas with venting cell cores. Respiratory protection is not necessary under conditions of normal use.

Ventilation: Not necessary under conditions of normal use.

Protective Gloves: Not necessary under conditions of normal use.

Other Protective Clothing or Equipment: Not necessary under conditions of normal use.

Personal Protection is recommended for venting battery: Respiratory protection, protective gloves, protective clothing and safety glass with side shields.

9. Physical and chemical properties

Appearance: Prismatic

Colour: Black almost cuboid

Odours: Odourless.

pH: Not applicable as supplied.

Flash Point: Not applicable unless individual components exposed.

Flammability: Not applicable unless individual components exposed.

Relative density: Not applicable unless individual components exposed.

Solubility (water): Not applicable unless individual components exposed.

Solubility (other): Not applicable unless individual components exposed.

10. Stability and reactivity

Stability: Stable under normal temperatures and pressures.

Incompatibility: oxidizing agents

Conditions to Avoid: Heat and open flame, short circuit, and water.

Hazardous polymerization: Will not occur.

Decomposition Products: CO, CO₂, HF, phosphorus fluoride, H₂

11. Toxicological Information

Signs & symptoms: None, unless battery ruptures. In the event of exposure to internal contents, vapour fumes may irritate the eyes and skin.

Inhalation: Lung irritant.

Skin contact: Skin irritant.

Eye contact: Eye irritant

Ingestion: Poisoning if swallowed.

Medical conditions generally aggravated by exposure: In the event of exposure to internal contents, moderate to severe irritation, burning and dryness of the skin may occur. Target organs nerves, liver and kidneys.

12. Ecological Information

Mammalian effects: None known at present.

Eco-toxicity: None known at present.

Bioaccumulation potential: Slowly biodegradable.

Environmental fate: None known environmental hazards at present.

13. Disposal Considerations

This product should be recycled or disposed in accordance with all in country specific regulations. The product contains recyclable materials and should not be treated as part of a municipal waste stream. A disposal service is offered upon request.

Note: In accordance with the EU Battery Directive, batteries are marked with the symbol of the crossed-out wheeled bin. The symbol reminds the end-user that batteries shall not be disposed of with household waste but must be collected separately.



Do not dispose into a fire or place in high temperatures. Do not dissect, pierce, crush or treat similarly.

14. Transport Information

Before preparing this product for transportation, all safety requirements must be met, as detailed within the manufacturer's product manual.

UN No.: UN3480, UN3481

Shipping Name: Lithium-ion batteries (Including lithium-ion polymer batteries) or.
Lithium-ion batteries contained in equipment (Including lithium-ion polymer batteries) or Lithium-ion batteries packed with equipment (Including lithium-ion polymer batteries)

Labels for Package: Class 9

ICAO / IATA	(ICAO), TI (IATA), DGR 63rd (2022), (PI) 965 Section IA, (PI) 966 Section I, (PI) 967 Section I. Can be shipped by air in accordance with International Civil Aviation Organization (ICAO), Section IA, PI 966 Section I and PI 967 Section I appropriate of IATA DGR 63 rd (2022 Edition) for transportation.
IMDG CODE	International Maritime Dangerous Goods Code 42-24
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road – ADR 2025.
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail – RID 2025

The dangerous goods regulations require that each battery design be subject to tests contained in Section 38.3 of the UN Manual of Tests and Criteria prior to being offered for transport. A copy of this report is available from myenergi on request.

15. Regulatory Information

EU Battery Directive: See section 13 of this document.

Transport Regulations: See section 14 of this document.

16. Other Information

The product is defined as an article has no requirement for a Safety Data Sheet according to UK Reach. The MSDS is to provide assistance to our customers. All users should consider any other sources and information gathered to assure proper use and disposal of the product including the health and safety of employees and customers.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchant ability or any other warranty, expressed or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages. Users should read this file carefully and use the batteries in the correct method.