

SECTION 1. IDENTIFICATION

Product Identifier	:	PLB40
Other Identifiers	:	9600009460
Use	:	Portable Camping Battery

Company Details

Company	:	Dometic Australia Pty Ltd
Address	:	3B McLaren Drive, 3169 Clayton, VIC Australia
Telephone	:	1800 212 121
Emergency Contact	:	13 11 26 Poisons Information Line (24/7)

SECTION 2. HAZARD(S) IDENTIFICATION

Emergency Overview: This product is an article which contains a chemical substance. Intended use of the product should not result in exposure to the chemical substances of this battery. In the case of rupture, the below hazards exist

CAS# 7440-50-8

Classification according to GHS

Sensitisation, skin (1, 1A, 1 B)

Specific target organ toxicity, single exposure (1) (digestive system)

Specific target organ toxicity, single exposure; Respiratory tract irritation (3)

Label elements

Hazard pictogram(s)



Signal Word: **Danger**

Hazard Statements:

H317 May cause an allergic skin reaction

H370 Causes damage to organs (digestive system)

H335 May cause respiratory irritation

Precautionary statements:**Prevention:**

P260 Do not breathe dust/fume/gas/mist/vapours/spray

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P264 Wash skin and clothing thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

Response:

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.

P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

P321 Specific treatment (See additional emergency instructions).

P362 + P364 Take off contaminated clothing and wash before reuse.

P308 + P311 If exposed or concerned: Call Poison Information Line (13 11 26)

P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P312 Call Poison Information Line (13 11 26) if you feel unwell

Storage:

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

Disposal:

P501 Send contents to an approved waste treatment plant

CAS# 7429-90-5

Classification according to GHS

Substances and mixtures which, in contact with water, emit flammable gases (2, 3)

Specific target organ toxicity, repeated exposure (1) (respiratory system)

Label Elements

Hazard pictograms



Signal Word:

Danger

Hazard Statements:

H261 In contact with water releases flammable gas

H372 Causes damage to organs through prolonged or repeated exposure (respiratory system)

Precautionary Statements:

P223 Keep away from any possible contact with water, because of violent reaction and possible flash fire.

P231 + P232 Handle under inert gas. Protect from moisture.

P280 Wear protective gloves/protective clothing/eye protection/face protection

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P264 Wash skin and clothing thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

Response:

P302 + P335 + P334 IF ON SKIN: Brush off loose particles from skin. Immerse in cool water/wrap in wet bandages.

P370 + P378 In case of fire: Use appropriate fire extinguisher to extinguish the fire. See section 5.

P314 Get medical advice/attention if you feel unwell.

Storage:

P402 + P404 Store in a dry place. Store in a closed container.

Disposal:

P501 Send contents to an approved waste treatment plant

Other Hazards

Physical and chemical hazards: See Section 10

Human health hazards: See Section 11

Environmental hazards: See Section 12

SECTION 3. COMPOSITION AND INFORMATION ON INGREDIENTS

Substance	Cas No.	EC No.	Weight (%)
Lithium Iron Phosphate	-	-	23
Graphite	7782-42-5	231-955-3	11.5
Organic Electrolyte	-	-	13.2

Polypropylene	9003-07-0	618-352-4	2
Stainless Steel	12597-68-1	603-108-1	38.1
Copper	7440-50-8	231-159-6	6.7
Aluminium	7429-90-5	231-072-3	5.5

SECTION 4. FIRST AID MEASURES

Description of First Aid Measures

General Information: No special measures required

After eye contact:

Flush eyes with plenty of water for several minutes while holding eyelids open. Get medical attention if irritation persists

After skin contact:

Remove contaminated clothing and shoes. Immediately wash with water, soap and rinse thoroughly. Wash clothing and shoes before reuse. If irritation occurs seek medical attention.

After Inhalation:

Remove victim to area with fresh air. Administer artificial respiration if breathing is difficult. Seek medical attention

After Swallowing:

Do not induce vomiting. Seek medical attention

Personal protective equipment for first-aid responders: No data available

Most important symptoms/effects, acute and delayed: No data available

Indication of immediate medical attention and special treatment needs: No data available

SECTION 5. FIREFIGHTING MEASURES

Suitable Extinguishing Equipment	Use extinguishing agent suitable for local conditions and the surrounding environment such as Dry Powder, CO2
Specific Hazards Arising from the Chemicals	Battery may burst and release hazardous decomposition products when exposed to a fire situation. Lithium ion batteries contain flammable electrolyte that may vent, ignite and produce sparks when subjected to high temperatures (>150°C), when damaged or abused; may burn rapidly with flare-burning effect; may ignite other batteries in close proximity.
Special Protective Equipment	Protective equipment: Wear self-contained respirator. Wear fully protective impervious suit.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation
Emergency Procedure	Remove ignition sources, evacuate area. Sweep up using a method that does not generate dust. Collect as much of the

	spilled material as possible, place the spilled material into a suitable disposable container. Keep spilled material out of sewers, ditches and bodies of water.
Environmental Precautions	Do not allow material to be released to the environment without proper governmental permits
Methods and Materials for Containment and Clean-up	For all waste handling refer to the United Nations, National and Local government regulations for disposal See Section 7 for information on safe handling See Section 8 for information on personal protection equipment See Section 13 for disposal information

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling	Consumption of food and beverages should be avoided in work areas Wash hands with soap and water before eating, drinking Ground containers when transferring liquid to prevent static accumulation and discharge Batteries may explode or cause burns, if disassembled, crushed or exposed to fire or high temperatures. Do not short or install with incorrect polarity.
Conditions for Safe Storage	Store in a cool, dry and well-ventilated place Keep away from heat, avoiding the long time of sunlight Keep container tightly sealed

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control Parameters <Include all methods noted>

Cas No.	ACGIH	NIOSH	OSHA
7782-42-5	TLV-TWA 2mg/m ³	REL-TWA 2.5mg/m ³	PEL-TWA 15mppcf PEL-TWA 20mppcf
9003-07-0	N/A	N/A	N/A
12597-68-1	N/A	N/A	N/A
7440-50-8	TLV-TWA 0.2mg/m ³ TLV-TWA 1mg/m ³	REL-TWA 1mg/m ³ REL-TWA 0.1mg/m ³	PEL-TWA 1mg/m ³ PEL-TWA 0.1mg/m ³
7429-90-5	TLV-TWA 1mg/m ³	REL-TWA 2mg/m ³ REL-TWA 5mg/m ³ REL-TWA 10mg/m ³	REL-TWA 5mg/m ³ REL-TWA 15mg/m ³

Appropriate Engineering Controls:

The usual precautionary measures for handling chemicals should be followed
Keep away from foodstuffs, beverages and food.
Remove all soiled and contaminated clothing immediately
Wash hands before breaks and at the end of work.

Personal Protective Equipment:

Respiratory Protection	Wear suitable protective mask in order to reduce the respiratory system. In case of leakage, wear chemical protective clothing, including self-contained breathing apparatus.
Hand Protection	Wear appropriate protective gloves to reduce skin
Eye Protection	Wear safety goggles or eye protection combined with respiratory protection.
Skin Protection	Working environment required, wear suitable protective clothing to minimize contact with skin. The type of protective equipment must be according to the concentration and content of certain hazardous substances in the workplace.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Prismatic
Colour	Black
Odour	Not Available
Melting Point/Freezing Point	Not Available
Boiling Point	Not Available
Flammability	Not Available
Lower and Upper Explosion Limit	Not Available
Flash Point	Not Available
Auto-Ignition Temperature	Not Available
Decomposition Temperature	Not Available
pH	Not Available
Kinematic Viscosity	Not Available
Solubility	Not Available
Partition Coefficient n-octanol/water	Not Available
Vapour Pressure	Not Available
Density/Relative Density	Not Available
Relative Vapour Density	Not Available
Particle Characteristics	Not Available
Voltage	12.8V
Electric Capacity-	40Ah
Electric Energy	512Wh

SECTION 10. STABILITY AND REACTIVITY

Reactivity	No Data Available
Chemical Stability	Stable
Possibility of Hazardous Reactions	No Data Available
Conditions to Avoid	Flames, sparks and other sources of ignition, incompatible materials.
Incompatible Materials	Oxidizing agents, acid base
Hazardous	

SECTION 11. TOXICOLOGICAL INFORMATION

Acute Toxicity:

CAS No.	Effect
7782-42-5	No Data Available
9003-07-0	No Data Available
12597-68-1	No Data Available
7440-50-8	No Data Available
7429-90-5	No Data Available

Skin Corrosion/Irritation	No Data Available
Serious Eye Damage/Irritation	No Data Available
Respiratory or Skin Sensitization	No Data Available
Germ Cell Mutagenicity	No Data Available
Carcinogenicity	No Data Available
Reproductive Toxicity	No Data Available
Specific Target Organ Toxicity Single Exposure	No Data Available
Specific Target Organ Toxicity Repeated Exposure	No Data Available
Aspiration Hazard	No Data Available
Eye	No Data Available
Skin	No Data Available
Ingestion	No Data Available
Inhalation	No Data Available

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity	No Data Available
Persistence and Degradability	No Data Available
Bioaccumulative Potential	No Data Available
Mobility in Soil	No Data Available
Other Adverse Effects	No Data Available

SECTION 13. DISPOSAL CONSIDERATIONS

Refer to State/Territory Land Waste Management Authority. Dispose of material using an appropriate method, in accordance with local regulations.

SECTION 14. TRANSPORT INFORMATION

	ADG	IMDG	IATA
UN Number	UN3480	UN3480	UN3480
Proper Shipping Name	Lithium Ion Batteries	Lithium Ion Batteries	Lithium Ion Batteries
Transport Hazard Class	9	9	9
Packing Group Number	N/A	N/A	N/A
Environmental Hazard for transport purposes	No		

Special Precautions for User	No Information Available
Additional Information	N/A

Transport Information:

The Portable Lithium Iron Phosphate Battery Pack PLB40 has passed the UN38.3 standard, according to test report MMIKTMLM26344721

Watt-hour exceeds the standard, so it belongs to dangerous goods. The goods are packaged according to the packaging Instruction 965 Section IA of IATA DGR 59th Edition for transportation, Cargo Aircraft only.

Watt-hour exceeds the standard, so it belongs to dangerous goods. The goods are packaged according to the special provision 230, 348 and 384 of IMDG (38-16).

Watt-hour exceeds the standard, so it belongs to dangerous goods. The goods are packaged according to the special provision 230, 348 and 384 of <<Recommendations On The Transport of Dangerous Goods-Model Regulations>> (20th).

Separate batteries to prevent short-circuiting and they should be packed in a strong package during transport. Lithium cell or battery should incorporate a safety venting device or be designed to prevent a violent rupture under normal transport conditions. Keep away from high temperature and open flames.

Note: Lithium ion cells and batteries must be offered for transport at a state of charge (SoC) not exceeding 30% of their rated design capacity.

Transport Fashion: By air, by sea, by railway, by road.

SECTION 15. REGULATORY INFORMATION

Poison schedule: A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).

Classification: Safework Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals.

Inventory listing(s): AUSTRALIA: AICS (Australian Inventory of Chemical Substances) All components are listed on AICS, or are exempt.

SECTION 16. ANY OTHER RELEVANT INFORMATION

Created: 13/12/2020

Notice to Reader:

This information was prepared in good faith from the best information available at the time of issue. It is based on the present level of research and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty. The manufacturer will not be held responsible for any unauthorized use of this information or for any modified or altered versions.

Abbreviations:

CAS: Chemical Abstracts Service
EC: European Commission
ACGIH: American Conference of Governmental Industrial Hygienists
NIOSH: US National Institute for Occupational Safety and Health
OSHA: US Occupational Safety and Health
TLV: Threshold Limit Value
TWA: Time Weighted Average
STEL: Short Term Exposure Limit
PEL: Permissible Exposure Average
REL: Recommended Exposure Limit
PC-STEL: Permissible concentration-time weighted average
PC-TWA: Permissible concentration-short time exposure limit
LC50: Lethal concentration, 50 percent kill
LD50: Lethal dose, 50 percent kill
IARC: International Agency for Research on Cancer
EC50: Median effective concentration
BCF: Bio concentration Factor
BOD: Biochemical Oxygen Demand
NOEC: No observed effect concentration
NTP: US National Toxicology Program
RTECS: Registry of Toxic Effects of Chemical Substances
ADG: Australian Dangerous Goods
IATA: International Air Transport Association
IMDG: International Maritime Dangerous Goods
TOC: Total Organic Carbon
TSCA: Toxic Substances Control Act of USA

[END OF SDS]