

# Safety Data Sheet

## according to WHS Regulations

Date of issue: 24.02.2026

Version number 1

Revision: 24.02.2026

Hazardous according to criteria of Australian Safety and Compensation Council.

### 1 Identification

· **Other means of identification**

· **Trade name:** **BWT F1SONIC PRO - Rechargeable Li-ion Battery Pack [AUS]**

· **Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

· **Application of the substance / the mixture**

This document is provided in a Safety Data Sheet-like format for informational and regulatory support purposes only. In accordance with applicable chemical safety legislation, Safety Data Sheets are not required for articles, and the information herein does not constitute a legally mandated SDS.

Battery

NOTE: Hazard statement relates to battery contents. Potential for exposure should not exist unless the battery leaks, is exposed to high temperatures or is mechanically, physically or electrically abused.

The batteries are not dangerous under normal conditions when used as intended in accordance with the manufacturer's instructions.

If misused, however, there is a risk of tearing, fire, heat development or leakage of internal components, which can lead to personal injury or damage to property.

Misuse includes, but is not limited to, the following: charging over a long period of time, short-circuiting, throwing into a fire, hitting with hard objects, piercing with sharp objects, crushing or breaking.

· **Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**

Lincoln Pool Equipment  
27 Lakewood Blvd  
Braeside Vic 3195

· **Further information obtainable from:**

Lincoln Pool Equipment  
27 Lakewood Blvd  
Braeside Vic 3195

· **Emergency telephone number:**

Ph 03 9580 9016  
Monday – Friday 8.00am – 5pm  
Australian Eastern Daylight Savings Time

### 2 Hazard(s) Identification

· **Classification of the substance or mixture**



GHS06 skull and crossbones

Acute toxicity - oral – Category 3

H301

Toxic if swallowed.

Acute toxicity - dermal – Category 3

H311

Toxic in contact with skin.



GHS08 health hazard

Respiratory sensitisation – Category 1

H334

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

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Carcinogenicity – Category 1A

H350

May cause cancer.

Specific target organ toxicity (repeated exposure) – Category 1

H372-H373

Causes damage to the respiratory system through prolonged or repeated exposure. Route of exposure: Inhalation. May cause damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.



GHS07

Skin sensitisation – Category 1

H317

May cause an allergic skin reaction.

· **GHS label elements**

The product is classified and labelled according to the Globally Harmonised System (GHS).

· **Hazard pictograms**



GHS06



GHS08

· **Signal word** Danger

· **Hazard statements**

Toxic if swallowed.

Toxic in contact with skin.

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May cause an allergic skin reaction.

May cause cancer.

Causes damage to the respiratory system through prolonged or repeated exposure. Route of exposure: Inhalation. May cause damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.

· **Precautionary statements**

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Read label before use.

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

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

Wash thoroughly after handling.

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

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

IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

Rinse mouth.

IF ON SKIN: Wash with plenty of water.

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

IF exposed or concerned: Get medical advice/attention.

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

If experiencing respiratory symptoms: Call a POISON CENTER/doctor.

Take off contaminated clothing and wash it before reuse.

Store locked up.

Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** This substance does not fulfil the PBT criteria of REACH, Annex XIII.

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· **vPvB:** This substance does not fulfil the vPvB criteria of the REACH Regulation, Annex XIII.

### 3 Composition and Information on Ingredients

- **Chemical characterisation: Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 113066-89-0	Lithium Nickel Cobalt Oxide (LiNi 0.8Co 0.2O2)  Respiratory sensitisation – Category 1, H334; Carcinogenicity – Category 1A, H350; Specific target organ toxicity (repeated exposure) – Category 1, H372  Skin sensitisation – Category 1, H317	30-60%
CAS: 7782-42-5	Graphite	10-<30%
CAS: 21324-40-3	Lithiumhexafluorophosphat(1-)  Acute toxicity - oral – Category 3, H301; Acute toxicity - dermal – Category 2, H310	10-<30%
CAS: 7440-50-8	copper	<10%
CAS: 7439-89-6	iron  Acute toxicity - oral – Category 2, H300	<10%
CAS: 7429-90-5	aluminium  Pyrophoric liquids – Category 1, H250; Pyrophoric solids – Category 1, H250; Substances and mixtures which, in contact with water, emit flammable gases – Category 2, H261	<10%
CAS: 1333-86-4	Carbon black  Self-heating substances and mixtures – Category 2, H252	<10%
CAS: 7440-02-0	nickel powder (particle diameter < 1 mm)  Carcinogenicity – Category 2, H351; Specific target organ toxicity (repeated exposure) – Category 1, H372  Skin sensitisation – Category 1, H317	≥0.1-<1%

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### 4 First Aid Measures

· **General information:**

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

In case of irregular breathing or respiratory arrest provide artificial respiration.

· **After inhalation:**

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:**

Immediately rinse with water.

Seek medical treatment.

· **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

· **After swallowing:**

Rinse mouth with water and drink plenty of water. Never give anything by mouth to an unconscious person.

Place a vomiting person lying on their back in the recovery position.

Do not induce vomiting.

Seek medical treatment.

· **Information for doctor:**

· **Most important symptoms and effects, both acute and delayed** No further relevant information available.

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- **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Fire Fighting Measures

- **Suitable extinguishing agents:**  
Carbon dioxide  
Dry chemical powder
- **Special hazards arising from the substance or mixture**  
NOTE: May develop pressure in containers; open carefully. Vent periodically.  
During heating or in case of fire poisonous gases are produced.
- **Protective equipment:** Wear self-contained respiratory protective device.

### 6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**  
Avoid contact with eyes and skin.  
Mount respiratory protective device.
- **Environmental precautions:**  
Inform respective authorities in case of seepage into water course or sewage system.  
In the event of penetration into the ground, inform the responsible authorities.
- **Methods and material for containment and cleaning up:**  
Ensure adequate ventilation.  
Clean up all spills immediately.  
Wear protective clothing, safety glasses, dust mask, gloves.  
Dispose contaminated material as waste according to section 13.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### 7 Handling and Storage

- **Handling:**
- **Precautions for safe handling**  
The batteries are not dangerous under normal conditions when used as intended in accordance with the manufacturer's instructions.  
If misused, however, there is a risk of tearing, fire, heat development or leakage of internal components, which can lead to personal injury or damage to property.  
Misuse includes, but is not limited to, the following: charging over a long period of time, short-circuiting, throwing into a fire, hitting with hard objects, piercing with sharp objects, crushing or breaking.  
Do not wet the battery with water, seawater or acid; or expose to strong oxidizer.  
Ensure good ventilation/exhaustion at the workplace.  
Open and handle receptacle with care.
- **Information about fire - and explosion protection:** Keep respiratory protective device available.
- **Storage:**  
Keep the battery away from heat and fire.  
Keep dry.
- **Requirements to be met by storerooms and receptacles:**  
Protect from heat and direct sunlight.  
Keep out of reach of children.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:** None.

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· *Specific end use(s) No further relevant information available.*

### 8 Exposure controls and personal protection

· **Appropriate engineering controls** Use adequate ventilation to keep airborne concentrations low.

· **Ingredients with limit values that require monitoring at the workplace:**

**CAS: 7782-42-5 Graphite**

WES Long-term value: 3 mg/m<sup>3</sup>

**CAS: 7440-50-8 copper**

WES Long-term value: 1\* 0.2\*\* mg/m<sup>3</sup>  
\*dust & mists (as Cu) \*\*fume

**CAS: 7429-90-5 aluminium**

WES Long-term value: 10\* 1\*\* 5\*\*\* mg/m<sup>3</sup>  
\*metal dust; \*\*welding, \*\*\*pyro powders

**CAS: 1333-86-4 Carbon black**

WES Long-term value: 3 mg/m<sup>3</sup>

**CAS: 7440-02-0 nickel powder (particle diameter < 1 mm)**

WES Long-term value: 1 mg/m<sup>3</sup>  
Metal: Sen

· **Regulatory information** WES: Workplace exposure standards for airborne contaminants

· **Additional information:** The lists valid during the making were used as basis.

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Store protective clothing separately.

Avoid contact with the eyes and skin.

· **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

· **Protection of hands:**



Protective gloves

Observe the manufacturer's instructions with regard to permeability and breakthrough time as well as the special conditions at the workplace (mechanical stress, duration of contact).

Protective gloves should be replaced at the first sign of wear.

· **Material of gloves**

Rubber Gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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· **Eye protection:**

Tightly sealed goggles

### 9 Physical and Chemical Properties

· **General Information**· **Appearance:**

· <b>Form:</b>	Solid
· <b>Colour:</b>	Black
· <b>Odour:</b>	Odourless
· <b>Odour threshold:</b>	Not determined
· <b>pH-value:</b>	Not applicable
· <b>Change in condition</b>	
· <b>Melting point/freezing point:</b>	Undetermined
· <b>Initial boiling point and boiling range:</b>	Undetermined
· <b>Flash point:</b>	Not applicable
· <b>Flammability</b>	Not determined
· <b>Decomposition temperature:</b>	Not determined
· <b>Explosive properties:</b>	No data available
· <b>Explosion limits:</b>	
· <b>Lower:</b>	Not determined
· <b>Upper:</b>	Not determined
· <b>Vapour pressure:</b>	Not applicable
· <b>Density:</b>	Not determined
· <b>Relative density</b>	Not determined
· <b>Vapour density</b>	Not applicable
· <b>Evaporation rate</b>	Not applicable.
· <b>Solubility in / Miscibility with</b>	
· <b>water:</b>	Insoluble.
· <b>Partition coefficient: n-octanol/water:</b>	Not determined
· <b>Viscosity:</b>	
· <b>Dynamic:</b>	Not applicable
· <b>Kinematic:</b>	Not applicable

· **Other information**

· <b>Particle characteristics</b>	Not determined
· <b>Physical state</b>	Solid

### 10 Stability and Reactivity

- **Reactivity** No further relevant information available.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No hazardous reactions known if handled as directed.
- **Conditions to avoid**  
 keep dry  
 direct sunlight  
 Heat, flames and sparks.
- **Incompatible materials:** Acids, Oxidizing agents, Bases

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· **Hazardous decomposition products:** Carbon oxides.

### 11 Toxicological Information

· **Information on toxicological effects**

· **Acute toxicity**

Toxic if swallowed.

Toxic in contact with skin.

· **LD/LC50 values relevant for classification:**

**CAS: 7439-89-6 iron**

Oral	LD50	30 mg/kg (rat)
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**CAS: 1333-86-4 Carbon black**

Oral	LD50	10,000 mg/kg (rat)
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· **Primary irritant effect:**

· **Skin corrosion/irritation** Based on available data, the classification criteria are not met.

· **Serious eye damage/irritation** Based on available data, the classification criteria are not met.

· **Respiratory or skin sensitisation**

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May cause an allergic skin reaction.

· **Germ cell mutagenicity** Based on available data, the classification criteria are not met.

· **Carcinogenicity** May cause cancer.

· **Reproductive toxicity** Based on available data, the classification criteria are not met.

· **STOT-single exposure** Based on available data, the classification criteria are not met.

· **STOT-repeated exposure**

Causes damage to the respiratory system through prolonged or repeated exposure. Route of exposure: Inhalation. May cause damage to the lung through prolonged or repeated exposure. Route of exposure: Inhalation.

· **Aspiration hazard** Based on available data, the classification criteria are not met.

· **Interactive effects**

· **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**

Carcinogenicity – Category 1A

### 12 Ecological Information

· **Toxicity**

· **Aquatic toxicity:** No further relevant information available.

· **Persistence and degradability** No further relevant information available.

· **Behaviour in environmental systems:**

· **Bioaccumulative potential** No further relevant information available.

· **Mobility in soil** No further relevant information available.

· **Additional ecological information:**

· **General notes:**

Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water

Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into the ground.

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable

· **vPvB:** Not applicable

· **Other adverse effects** No further relevant information available.

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## 13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**  
Disposal in accordance with official regulations.  
Avoid release into the environment.  
Must not be disposed of together with household waste.
- **Waste disposal key:** 16 02 15\*
- **Uncleaned packaging:** Disposal in accordance with official regulations.

## 14 Transport information

<ul style="list-style-type: none"> <li>· <b>UN-Number</b></li> <li>· <b>ADG, IMDG, IATA</b></li> </ul>	UN3480
<ul style="list-style-type: none"> <li>· <b>UN proper shipping name</b></li> <li>· <b>ADG</b></li> <li>· <b>IMDG, IATA</b></li> </ul>	3480 LITHIUM ION BATTERIES LITHIUM ION BATTERIES
<ul style="list-style-type: none"> <li>· <b>Transport hazard class(es)</b></li> <li>· <b>ADG, IMDG, IATA</b></li> </ul>	<div style="text-align: center;">  </div>
<ul style="list-style-type: none"> <li>· <b>Class</b></li> <li>· <b>Label</b></li> </ul>	9 Miscellaneous dangerous substances and articles. 9A
<ul style="list-style-type: none"> <li>· <b>Packing group</b></li> <li>· <b>ADG, IMDG, IATA</b></li> </ul>	Void
<ul style="list-style-type: none"> <li>· <b>Environmental hazards:</b></li> </ul>	Not applicable
<ul style="list-style-type: none"> <li>· <b>Special precautions for user</b></li> <li>· <b>Hazard identification number (Kemler code):</b></li> <li>· <b>EMS Number:</b></li> <li>· <b>Stowage Category</b></li> <li>· <b>Stowage Code</b></li> </ul>	Warning: Miscellaneous dangerous substances and articles. - F-A,S-I A SW19 For batteries transported in accordance with SP 376 or SP 377 Category C, unless transported on a short international voyage.
<ul style="list-style-type: none"> <li>· <b>Transport in bulk according to Annex II of Marpol and the IBC Code</b></li> </ul>	Not applicable
<ul style="list-style-type: none"> <li>· <b>Transport/Additional information:</b></li> </ul>	
<ul style="list-style-type: none"> <li>· <b>ADG</b></li> <li>· <b>Limited quantities (LQ)</b></li> <li>· <b>Excepted quantities (EQ)</b></li> <li>· <b>Transport category</b></li> <li>· <b>Tunnel restriction code</b></li> </ul>	0 Code: E0 Not permitted as Excepted Quantity 2 E
<ul style="list-style-type: none"> <li>· <b>IMDG</b></li> <li>· <b>Limited quantities (LQ)</b></li> </ul>	0

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· **Excepted quantities (EQ)**

Code: E0

Not permitted as Excepted Quantity

· **UN "Model Regulation":**

UN 3480 LITHIUM ION BATTERIES

### 15 Regulatory information

· **Safety, health and environmental regulations/legislation specific for the substance or mixture**· **Australian Inventory of Industrial Chemicals**

CAS: 7782-42-5

Graphite

CAS: 21324-40-3

Lithiumhexafluorophosphat(1-)

CAS: 7440-50-8

copper

CAS: 7439-89-6

iron

CAS: 7429-90-5

aluminium

CAS: 9002-88-4

Polyethylene low density

CAS: 1333-86-4

Carbon black

CAS: 7440-02-0

nickel powder (particle diameter &lt; 1 mm)

CAS: 24937-79-9

Poly(vinylidene fluoride)

CAS: 9004-32-4

Carboxymethyl Cellulose Sodium Salt (n=approx. 1,050)

· **Standard for the Uniform Scheduling of Medicines and Poisons**

None of the ingredients is listed.

· **Australia: Priority Existing Chemicals**

None of the ingredients is listed.

· **Directive 2012/18/EU**· **Named dangerous substances - ANNEX I** None of the ingredients is listed.· **National regulations:**· **Information about limitation of use:**

Workers are not allowed to be exposed to the hazardous carcinogenic materials contained in this preparation.

Exceptions can be made by the authorities in certain cases.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

H250 Catches fire spontaneously if exposed to air.

H252 Self-heating in large quantities; may catch fire.

H261 In contact with water releases flammable gases.

H300 Fatal if swallowed.

H301 Toxic if swallowed.

H310 Fatal in contact with skin.

H317 May cause an allergic skin reaction.

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

H350 May cause cancer.

H351 Suspected of causing cancer.

H372 Causes damage to organs through prolonged or repeated exposure.

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· **Contact:**

· **Abbreviations and acronyms:**

*ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)*

*IMDG: International Maritime Code for Dangerous Goods*

*IATA: International Air Transport Association*

*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)*

*LC50: Lethal concentration, 50 percent*

*LD50: Lethal dose, 50 percent*

*PBT: Persistent, Bioaccumulative and Toxic*

*vPvB: very Persistent and very Bioaccumulative*

*Pyrophoric liquids – Category 1: Pyrophoric liquids – Category 1*

*Pyrophoric solids – Category 1: Pyrophoric solids – Category 1*

*Self-heating substances and mixtures – Category 2: Self-heating substances and mixtures – Category 2*

*Substances and mixtures which, in contact with water, emit flammable gases – Category 2: Substances and mixtures which in contact with water emit flammable gases – Category 2*

*Acute toxicity - oral – Category 3: Acute toxicity – Category 3*

*Acute toxicity - dermal – Category 2: Acute toxicity – Category 2*

*Respiratory sensitisation – Category 1: Respiratory sensitisation – Category 1*

*Skin sensitisation – Category 1: Skin sensitisation – Category 1*

*Carcinogenicity – Category 1A: Carcinogenicity – Category 1A*

*Carcinogenicity – Category 2: Carcinogenicity – Category 2*

*Specific target organ toxicity (repeated exposure) – Category 1: Specific target organ toxicity (repeated exposure) – Category 1*

· **\* Data compared to the previous version altered.**

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