

SAFETY DATA SHEET

according to Regulation (EU) 2015/830

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Phantom Air Lithium-ion Battery

Revision 0

Revision date 2016-04-29

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name	Phantom Air Lithium-ion Battery
Product code	FXPAPRS16

1.3. Details of the supplier of the safety data sheet

Company	Weldability Sif
Address	Peters House, The Orbital Centre, Icknield Way, Letchworth Garden City, Hertfordshire, SG6 1ET. UK.
Web	www.weldability-sif.com
Telephone	0870 330 7757
Fax	0800 970 7757
Email	service@weldability-sif.com
Email address of the competent person	msds@weldability-sif.com

1.4. Emergency telephone number


Emergency telephone number	0870 330 7757
Company	Weldability Sif 8.30 - 5.30 Mon - Fri

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

2.1.1. Classification - 1999/45/EC	Xn; R40 Xi; R43 Symbols: Xn: Harmful.
Main hazards	Limited evidence of a carcinogenic effect. May cause sensitisation by skin contact.
2.1.2. Classification - EC 1272/2008	Acute Tox. 4: H302; Skin Corr. 1A: H314; Skin Sens. 1: H317; Carc. 2: H351; STOT RE 1: H372;

2.2. Label elements

Hazard pictograms	
Signal Word	Danger
Hazard Statement	Acute Tox. 4: H302 - Harmful if swallowed. Skin Corr. 1A: H314 - Causes severe skin burns and eye damage. Skin Sens. 1: H317 - May cause an allergic skin reaction.

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2.2. Label elements

Precautionary Statement: Prevention	Carc. 2: H351 - Suspected of causing cancer . STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure .
	P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P264 - Wash thoroughly after handling. P270 - Do not eat, drink or smoke when using this product. P272 - Contaminated work clothing should not be allowed out of the workplace. P280 - Wear protective gloves/protective clothing/eye protection/face protection.
Precautionary Statement: Response	P301+P312 - IF SWALLOWED: Call a POISON CENTER/doctor/ /if you feel unwell. P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P302+P352 - IF ON SKIN: Wash with plenty of water/ . P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308+P313 - IF exposed or concerned: Get medical advice/attention. P310 -Immediately call a POISON CENTER/doctor/ . P314 - Get medical advice/attention if you feel unwell. P321 - Specific treatment (see on this label). P330 - Rinse mouth. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P363 - Wash contaminated clothing before reuse.
Precautionary Statement: Storage	P405 - Store locked up.
Precautionary Statement: Disposal	P501 - Dispose of contents/container to

SECTION 3: Composition/information on ingredients

3.2. Mixtures

67/548/EEC / 1999/45/EC

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Lithium Nickel Manganese Cobalt Oxide		346417-97-8			40 - 50%	Xn; R40 Xi; R43	
Copper (Copper fume)		7440-50-8	231-159-6		1 - 10%		
aluminium powder (stabilised) (Aluminium metal)	013-002-00-1	7429-90-5	231-072-3		1 - 10%	F; R11-15	

EC 1272/2008

Chemical Name	Index No.	CAS No.	EC No.	REACH Registration Number	Conc. (%w/w)	Classification	M-factor.
Lithium Nickel Manganese Cobalt Oxide		346417-97-8			40 - 50%	Skin Sens. 1: H317; Carc. 2: H351;	
Graphite		7782-42-5	231-955-3		20 - 30%		
Lithium Hexafluorophosphate		21324-40-3	244-334-7		10 - 20%	Acute Tox. 3: H301; Skin Corr. 1A: H314; Eye Dam. 1: H318; STOT RE 1: H372;	
Copper (Copper fume)		7440-50-8	231-159-6		1 - 10%		
aluminium powder (stabilised) (Aluminium metal)	013-002-00-1	7429-90-5	231-072-3		1 - 10%	Water-react. 2: H261; Flam. Sol. 1: H228;	

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Remove the affected person from the source of contamination immediately. If breathing is difficult
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4.1. Description of first aid measures

Eye contact	give oxygen.
Skin contact	Rinse immediately with plenty of water for 15 minutes. Seek medical attention.
Ingestion	Remove contaminated clothing. Rinse immediately with plenty of water.
	Drink 1 to 2 glasses of water. If ingested, induce vomiting, but only under medical supervision.

SECTION 5: Firefighting measures

5.1. Extinguishing media

	Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. Water.
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5.2. Special hazards arising from the substance or mixture

	Carbon dioxide (CO2).
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5.3. Advice for firefighters

	Wear suitable respiratory equipment when necessary.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

	Ensure adequate ventilation of the working area.
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6.3. Methods and material for containment and cleaning up

	Sweep up.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

	Appropriate local exhaust ventilation is required. Keep container dry. Keep in a cool place. Wear suitable protective equipment.
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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

	S3/9/14/49 - Keep only in the original container in a cool, well-ventilated place away from heat.
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8.1.1. Exposure Limit Values

aluminium powder (stabilised) (Aluminium metal)	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: -
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: -
	WEL 8-hr limit mg/m3 total 10 inhalable dust:	WEL 15 min limit mg/m3 total - inhalable dust:
	WEL 8-hr limit mg/m3 total 4 respirable dust:	WEL 15 min limit mg/m3 total - respirable dust:
Copper (Copper dusts and mists (as Cu))	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: 1
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: 2
	WEL 8-hr limit mg/m3 total - inhalable dust:	WEL 15 min limit mg/m3 total - inhalable dust:
	WEL 8-hr limit mg/m3 total - respirable dust:	WEL 15 min limit mg/m3 total - respirable dust:
Copper (Copper fume)	WEL 8-hr limit ppm: -	WEL 8-hr limit mg/m3: 0.2
	WEL 15 min limit ppm: -	WEL 15 min limit mg/m3: -
	WEL 8-hr limit mg/m3 total - inhalable dust:	WEL 15 min limit mg/m3 total - inhalable dust:
	WEL 8-hr limit mg/m3 total - respirable dust:	WEL 15 min limit mg/m3 total - respirable dust:

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8.2. Exposure controls

8.2.2. Individual protection measures	Apron (Plastic or rubber). Wear suitable protective clothing. Wear suitable protective equipment. Approved safety goggles.
Occupational exposure controls	Appropriate local exhaust ventilation is required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Odour	Characteristic/Chlorine
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SECTION 10: Stability and reactivity

10.2. Chemical stability

	Keep in a cool, dry, well ventilated area. Combustible liquid. Stable.
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10.4. Conditions to avoid

	Alkalis. Avoid sparks, flames, heat and sources of ignition. Direct sunlight. Heat will increase pressure in sealed containers. Moisture.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Skin corrosion/irritation	Skin irritation and dermatitis.
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SECTION 12: Ecological information

SECTION 13: Disposal considerations

Disposal methods

	Dispose of in compliance with all. Local and national regulations.
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Disposal of packaging

	Dispose of in compliance with all. Local and national regulations.
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SECTION 14: Transport information

Hazard pictograms

	
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14.1. UN number

	UN3480
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14.2. UN proper shipping name

	LITHIUM ION BATTERIES
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14.3. Transport hazard class(es)

ADR/RID	9
Subsidiary risk	-
IMDG	9
Subsidiary risk	-
IATA	9
Subsidiary risk	-

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14.4. Packing group	
Packing group	II
14.5. Environmental hazards	
Environmental hazards	No
Marine pollutant	No
ADR/RID	
Hazard ID	-
IMDG	
EmS Code	F-A, S-I
IATA	
Packing Instruction (Cargo)	965
Maximum quantity	35 kg G
Packing Instruction (Passenger)	965
Maximum quantity	5 kg G

SECTION 15: Regulatory information

SECTION 16: Other information

Other information

Text of risk phrases in Section 3	R11 - Highly flammable. R15 - Contact with water liberates extremely flammable gases. R40 - Limited evidence of a carcinogenic effect. R43 - May cause sensitisation by skin contact.
Text of Hazard Statements in Section 3	Skin Sens. 1: H317 - May cause an allergic skin reaction. Carc. 2: H351 - Suspected of causing cancer . Acute Tox. 3: H301 - Toxic if swallowed. Skin Corr. 1A: H314 - Causes severe skin burns and eye damage. Eye Dam. 1: H318 - Causes serious eye damage. STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure . Flam. Sol. 1: H228 - Flammable solid. Water-react. 2: H261 - In contact with water releases flammable gases.