

## BATTERY LITHIUM-ION INFORMATION SHEET

### MATERIAL SAFETY DATA SHEET

#### ARTS-Energy Part

*Issue S on January 07, 2025*

According to REACH regulation (EC 1907/2006, Art 31) and to OSHA regulation (29 CFR 1910.1200), batteries are ARTICLES with no intended release. As such, they are not covered by legal requirements to generate and supply an SDS or an MSDS. This Battery Information Sheet is provided solely as an information document for the purpose of assisting our customers.








### 1. Identification of the Company

<b>Batteries production sites</b>	ARTS Energy 10 rue Ampère - Zone Industrielle 16440 Nersac FRANCE Tel. No. +33 (0)5 45 90 35 50 Fax No. +33 (0)5 45 90 37 65
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**Emergency contacts**                      ARTS Energy local dealer

### 2. Composition & Information on components

Each cell consists of a hermetically sealed metallic container containing a number of chemicals and materials of construction of which the following could potentially be hazardous upon release.0

Substances			CHIP Classification		
Component	Content (%)	CAS No.	Hazard identification	Special risk (1)	Precautionary Statement - Prevention (2)
Aluminum Foil	2-10	7429-90-5	Non-Concerné		
Metal Oxide (proprietary)	20-50		Non-Concerné		
Electrolyte (proprietary)	10-20		  	H225, H314, H330, H319	P210, P233, P240, P241, P242, P243, P260, P264, P270, P280
Polyvinylidene Fluoride (PVDF)	<5	24937-79-9	Non-Concerné		
Carbon (C <sub>n</sub> )	10 to 30%	7440-44-0	 	H228, H251, H315, H319, H335	P210, P240, P241, P261, P264, P271, P280, P235 + P410
Copper Foil	2-10	7440-50-8	 	H302, H319, H315, H410	P264, P270, P273, P280
Stainless steel, Nickel and inert materials	Reminder	N/A	Non-Concerné		

*Amount varies depending on cell size*



### (1) Nature of special risk

- H225 : Highly flammable liquid and vapour.
- H228 : Flammable solid.
- H251 : Self-heating: may catch fire.
- H302 : Harmful if swallowed.
- H314: Causes severe skin burns and eye damage.
- H315 : Causes skin irritation
- H319 : Causes serious eye irritation
- H330 : Fatal if inhaled.
- H335 : May cause respiratory irritation.
- H410 : Harmful to aquatic life with long lasting effects.

### (2) Precautionary Statement - Prevention

- P210 : Keep away from heat/sparks/open flames/hot surfaces. — No smoking
- P233 : Keep container tightly closed.
- P240 : Ground/bond container and receiving equipment.
- P241 : Use explosion-proof electrical/ventilating/lighting/.../equipment.
- P242 : Use only non-sparking tools.
- P243 : Take precautionary measures against static discharge.
- P260 : Do not breathe dust/fume/gas/mist/vapours/spray
- P264 : Wash thoroughly after handling.
- P270 : Do not eat, drink or smoke when using this product
- P280 : Wear protective gloves/protective clothing/eye protection/face protection.
- P235+P410 : Keep cool. Protect from sunlight.

## 3. Hazards Identification

### Emergency Overview

May explode in a fire, which could release hydrogen fluoride gas.  
Use extinguishing media suitable for materials burning in fire.

### Primary routes of entry

Skin contact :	No
Skin absorption :	No
Eye contact :	No
Inhalation :	No
Ingestion :	No

### Symptoms of exposure

<i>Skin contact :</i>	No effect under routine handling and use.
<i>Skin absorption :</i>	No effect under routine handling and use.
<i>Eye contact :</i>	No effect under routine handling and use.
<i>Inhalation :</i>	No effect under routine handling and use. Reported as carcinogen

### Not applicable

Risk of exposure only in case of abuse (mechanical, thermal, electrical) which leads to the activation of safety valves and/or the rupture of the battery container. Electrolyte leakage, electrode materials reaction with moisture/water or battery vent/explosion/fire may follow, depending upon the circumstances.

## 4. First Aid Measures

### THE CELL OR BATTERY ITSELF

<b>Inhalation</b>	Not a health hazard.
<b>Skin contact</b>	Not a health hazard.
<b>Eye contact</b>	Not a health hazard.
<b>Ingestion</b>	If the product is swallowed, obtain medical attention immediately.

### IF EXPOSURE TO INTERNAL MATERIALS

<b>Inhalation</b>	Leave area immediately and seek medical attention.
<b>Skin contact</b>	Wash area thoroughly with soap and water and seek medical attention.
<b>Eye contact</b>	Rinse eyes with water for 15 minutes and seek medical attention.
<b>Ingestion</b>	Drink milk/water and induce vomiting; seek medical attention.
<b>Further treatment</b>	All cases of eye contamination, persistent skin irritation and casualties who have swallowed this substance or been affected by breathing its vapours should be seen by a Doctor.

## 5. Firefighting Measures

Cell is not flammable. Combustion products include, but are not limited to hydrogen fluoride, carbon monoxide and carbon dioxide.

### Extinguishing Media

Use extinguishing media suitable for the materials that are burning.  
Use water or CO2 on burning Li-ion cells or batteries

### Special Firefighting Instructions

If possible, remove cell(s) from firefighting area. If heated above 160°C, cell(s) may explode/vent.

### Firefighting Equipment

Use NIOSH/MSHA approved full-face self-contained breathing apparatus (SCBA) with full protective gear.

## 6. Accidental Release Measures

### On Land

Place material into suitable containers and call local fire/police department.

### In Water





If possible, remove from water and call local fire/police department.



## 7. Handling and Storage

<b>Handling</b>	<b><i>Do not allow children to replace batteries without adult supervision</i></b>
	No special protective clothing required for handling individual intact cells Do not crush, pierce, short (+) and (-) battery terminals with conductive (i.e. metal) goods. Do not directly heat or solder. Do not throw into fire. Do not mix batteries of different types and brands. Do not mix new and used batteries. Keep batteries in non-conductive (i.e. plastic) trays. Do not allow children to replace batteries without adult supervision
<b>Storage</b>	Store in a cool (preferably below 30°C) and ventilated area, away from moisture, sources of heat, open flames, food and drink. Keep adequate clearance between walls and batteries. Temperature above 70°C may result in battery leakage and rupture. Since short circuit can cause burn, leakage and rupture hazard, keep batteries in original packaging until use and do not jumble them.
<b>Other</b>	Follow Manufacturers recommendations regarding maximum recommended currents and operating temperature range. Applying pressure on deforming the battery may lead to disassembly followed by eye, skin and throat irritation.

## 8. Exposure Controls & Personal Protection

<b>Occupational exposure standard</b>	Compound: LiCoO <sub>2</sub> 0.1 mg/m <sup>3</sup> max. (OSHA) EC, EA, DMC                      N/A LiPF <sub>6</sub> N/A
	<b>Respiratory protection</b> In all fire situations, use self-contained breathing apparatus.
	<b>Hand &amp; Feet protection</b> In the event of leakage wear gloves. Steel toed shoes recommended for large container handling.
	<b>Eye protection</b> Safety glasses are recommended during damaged batteries handling.
	<b>Other</b> In the event of leakage, wear chemical apron.

## 9. Physical and Chemical Properties

<b>Appearance</b>	Cylindrical or Prismatic Pack, with or without external wires and connector – casings can be added for specific applications
<b>Odour</b>	N/A
<b>pH</b>	Not Applicable
<b>Flash point</b>	Not applicable unless individual components exposed
<b>Flammability</b>	Not applicable unless individual components exposed
<b>Relative density</b>	Not applicable unless individual components exposed
<b>Solubility (water)</b>	Not applicable unless individual components exposed
<b>Solubility (other)</b>	Not applicable unless individual components exposed



## 10. Stability and Reactivity

Product is stable under conditions described in Section 7.

<b>Conditions to avoid</b>	Heat above 100°C or incinerate. Deform. Mutilate. Crush. Pierce. Disassemble Short circuit. Expose over a long period to humid conditions.
<b>Materials to avoid</b>	
<b>Hazardous decomposition Products</b>	None during normal operating conditions. If cells are opened, hydrogen fluoride and carbon monoxide may be released.

## 11. Toxicological Information

<b>Signs &amp; symptoms</b>	None, unless battery ruptures. In the event of exposure to internal contents, corrosive fumes will be very irritating to skin, eyes and mucous membranes. Overexposure can cause symptoms of non-fibrotic lung injury and membrane irritation. Organic Electrolyte : Acute toxicity : LD50 oral – Rat 2,000mg/kg or more
<b>Inhalation</b>	Lung irritant.
<b>Skin contact</b>	Skin irritant
<b>Eye contact</b>	Eye irritant.
<b>Ingestion</b>	Tissue damage to throat and gastro-respiratory tract if swallowed.
<b>Medical conditions generally aggravated by exposure</b>	In the event of exposure to internal contents, eczema, skin allergies, lung injuries, asthma and other respiratory disorders may occur.

## 12. Ecological Information

<b>Mammalian effects</b>	None known if used/disposed of correctly.
<b>Eco-toxicity</b>	None known if used/disposed of correctly.
<b>Bioaccumulation potential</b>	Some materials within the cell are bio accumulative. Under normal conditions, these materials are contained and pose no risk to persons or the surrounding environment.
<b>Environmental fate</b>	None known if used/disposed of correctly.

## 13. Disposal Considerations

Do not incinerate, or subject cells to temperatures in excess of 70°C. Such abuse can result in loss of seal, leakage, and/or cell explosion.

California regulated debris

RCRA Waste Code : Non-regulated

Dispose of according to all federal, state, and local regulations.



**14. Transport Information**

<p><b>Restrictions &amp; Label for conveyance</b></p>	<p>The requirements of the UN manual of Test and Criteria, Part III, sub-section 38.3 are fulfilled by ARTS Energy Li-Ion batteries. Whatever the transportation mode, batteries or cells must be protected to prevent short circuits and must be packed in an inner packaging which completely encloses the battery. A strong outer packaging is mandatory. A specific training and instructions has to be done for any person taking care of the shipment preparation (to be checked according to the safety level with DGR IATA and other government organization of your country)</p> <p>NOTE: All these dates are indicative – please refer to your own safety advisor for any information.</p>
<p><b>TRANSPORTATION OF “NEW BATTERIES”</b></p> <p><b>AIR TRANSPORTATION (DGR IATA) CARGO AIRCRAFTS ONLY (CAO)</b></p> <p><b>charge ≤30%</b></p> <p><b>⚠ Damaged batteries Air Transportation is not allowed</b></p>	<p><b>If Part is a Li-ion cell (≤2.7Wh and not exceeding 2,5 kg net per package, or 2,7&lt;Wh≤20 and not exceeding 8 cells per package) :</b></p> <ul style="list-style-type: none"> <li>- Transport by air is possible with state of charge ≤30%</li> <li>- maximum weight 2,5kg net if ≤2.7Wh/cell</li> <li>- 8 cells maximum if 2,7&lt;Wh≤20/cell</li> <li>- Packed in accordance with ICAO/IATA Packing instruction <b>PI965 Section II</b>.</li> <li>- Not more than 1 package in any single consignment</li> </ul> <p>A ‘Lithium batteries marking’ (7.1.C or 7.4.H until 31/12/2018) label should be affixed to the package. A ‘Cargo Aircraft only’ label should be affixed to the package</p> <p>The words “Lithium Ion batteries in compliance with section II of PI965” and “Cargo Aircraft Only” must be included in “nature and qty of goods” box of the air waybill DGD is not required ((Dangerous Goods Declaration)</p> <p><b>If Part is a Li-ion cell (≤2.7Wh and exceeding 2,5 kg net per package, or 2,7&lt;Wh≤20 and more than 8 cells per package) :</b></p> <ul style="list-style-type: none"> <li>- Transport by air is possible with state of charge ≤30%</li> <li>- maximum weight 10kg net</li> <li>- Packed in accordance with ICAO/IATA Packing instruction <b>PI965 Section IB</b>.</li> </ul> <p>DGD is required (Dangerous Goods Declaration) mentioning UN3480/Lithium-ion batteries/9/– packing description /PI965-1B + Emergency contact</p> <p>A ‘Class 9-A (IATA label ref 7.3.X) label should be affixed to the package. A ‘Lithium batteries marking’ (7.1.C or 7.4.H until 31/12/2018) label should be affixed to the package. Emergency contact should be visible. A ‘Cargo Aircraft only’ label should be affixed to the package</p> <p><b>If Part is a Li-ion battery pack (Wh ≤2,7, not exceeding 2,5kg net per package - or – 2,7&lt;Wh≤100, battery packed in quantities not exceeding 2 batteries per package) :</b></p> <ul style="list-style-type: none"> <li>- Transport by air is possible with state of charge ≤30%</li> <li>- maximum weight 2,5kg net if ≤2.7Wh/battery</li> <li>- 2 batteries maximum if 2,7&lt;Wh≤100/battery</li> <li>- Packed in accordance with ICAO/IATA Packing instruction <b>PI965 Section II</b></li> <li>- Not more than one package in any single consignment.</li> <li>- Not require approved packaging but should withstand 1,2m drop test.</li> </ul> <p>A ‘Lithium batteries marking’ (7.1.C or 7.4.H until 31/12/2018) label should be affixed to the package. A ‘Cargo Aircraft only’ label should be affixed to the package The words “Lithium-ion batteries in compliance with section II of PI965” and “Cargo Aircraft Only” must be included in “nature and qty of goods” box of the air waybill DGD is not required ((Dangerous Goods Declaration)</p> <p><b>If Part is a Li-ion battery pack (Wh ≤2,7, exceeding 2,5kg net per package - or – 2,7&lt;Wh≤100, battery packed in quantities exceeding 2 batteries per package) :</b></p> <ul style="list-style-type: none"> <li>- Transport by air is possible with state of <b>charge ≤30%</b></li> <li>- maximum weight <b>10kg net</b></li> <li>- Packed in accordance with ICAO/IATA Packing instruction <b>PI965 Section IB</b></li> <li>- Not require approved packaging but should withstand 1,2m drop test.</li> </ul> <p>DGD is required (Dangerous Goods Declaration) mentioning UN3480/Lithium-ion batteries/9/ packing description /PI965-1B + emergency contact</p> <p>A ‘Class 9- A (IATA label ref 7.3.X) label should be affixed to the package (mentioning UN3480). A ‘Lithium batteries marking’ (7.1.C or 7.4.H until 31/12/2018) label should be affixed to the package. Emergency contact should be visible. A ‘Cargo Aircraft only’ label should be affixed to the package</p>



	<p><b>If Part is a Li-ion battery pack (Wh exceeding 100Wh) :</b></p> <ul style="list-style-type: none"> <li>- Transport by air is possible with state of <b>charge ≤30%</b></li> <li>- maximum weight <b>35kg net</b></li> <li>- Packed in accordance with ICAO/IATA Packing instruction <b>PI965 Section IA</b></li> <li>- Complete package must be approved <b>packing group II</b>.</li> </ul> <p>DGD is required (Dangerous Goods Declaration) mentioning UN3480/Lithium-ion batteries/9/ packing description /PI965-1B + emergency contact</p> <p>A 'Class 9-A (IATA label ref 7.3.X)' label should be affixed to the package (mentioning UN3480)</p> <p>A 'Cargo Aircraft only' label should be affixed to the package.</p>
<p style="text-align: center;"><b>TRANSPORTATION OF "NEW BATTERIES"</b></p> <p style="text-align: center;"><u>SEA TRANSPORTATION (IMDG CODE)</u></p>	<p><b>If Part is a Li-ion cell (≤20Wh) :</b></p> <ul style="list-style-type: none"> <li>- Transport by sea is possible</li> <li>- No state of charge requirement</li> <li>- maximum weight 30kg gross</li> <li>- Packed in accordance with IMDG Packing instruction SP188.</li> <li>- Not require approved packaging but should withstand 1,2m drop test.</li> </ul> <p>A 'Lithium battery mark - 5.2.1.9' label should be affixed to the package (UN3480 + information phone number)</p> <p>No DGD and safety document required.</p>
	<p><b>If Part is a Li-ion battery pack (≤100Wh) :</b></p> <ul style="list-style-type: none"> <li>- Transport by sea is possible</li> <li>- No state of charge requirement</li> <li>- maximum weight 30kg gross</li> <li>- Packed in accordance with IMDG Packing instruction SP188.</li> <li>- Not require approved packaging but should withstand 1,2m drop test.</li> </ul> <p>A 'Lithium battery mark - 5.2.1.9' label should be affixed to the package (UN3480 + information phone number)</p> <p>No DGD and safety document required.</p>
	<p><b>If Part is a Li-ion battery pack (&gt;100Wh) :</b></p> <ul style="list-style-type: none"> <li>- Transport by sea is possible</li> <li>- No state of charge requirement</li> <li>- No maximum weight limits</li> <li>- Packed in accordance with IMDG Packing instruction P903.</li> <li>- Complete package must be approved packing group II.</li> </ul> <p>A 'Class 9- A (IATA label ref 7.3.X)' label should be affixed to the package (mentioning UN3480 Lithium Battery)</p> <p>Multimodal document required (with UN3480, Lithium batteries, 9, FS: F-A,S-I,(E) – gross weight, shipper, destination, phone number)</p>
<p style="text-align: center;"><b>TRANSPORTATION OF "NEW BATTERIES"</b></p> <p style="text-align: center;"><u>ROAD TRANSPORTATION (ADR)</u></p>	<p><b><u>ROAD TRANSPORTATION (ADR):</u></b></p> <p><b>If Part is a Li-ion cell (≤20Wh) :</b></p> <ul style="list-style-type: none"> <li>- Transport by road is possible</li> <li>- No state of charge requirement</li> <li>- maximum weight 30kg gross</li> <li>- Packed in accordance with ADR Packing instruction SP188.</li> <li>- Not require approved packaging but should withstand 1,2m drop test.</li> </ul> <p>A 'Lithium battery mark - 5.2.1.9 ' label should be affixed to the package with UN3480 and phone number</p> <p><b>If Part is a Li-ion battery pack (≤100Wh) :</b></p> <ul style="list-style-type: none"> <li>- Transport by road is possible</li> <li>- No state of charge requirement</li> <li>- maximum weight 30kg gross</li> <li>- Packed in accordance with ADR Packing instruction SP188.</li> <li>- Not require approved packaging but should withstand 1,2m drop test.</li> </ul> <p>A 'Lithium battery mark - 5.2.1.9 ' label should be affixed to the package with UN3480 and phone number</p>





	<p><b>If Part is a Li-ion battery pack (&gt;100Wh) :</b></p> <ul style="list-style-type: none"> <li>- Transport by road is possible</li> <li>- No state of charge requirement</li> <li>- For shipments <b>&lt; 333kg gross weight</b> – for &gt;333 kg, please consult us</li> <li>- Packed in accordance with ADR Packing instruction P903.</li> <li>- Complete package must be approved packing group II.</li> <li>- Transportation category : 2</li> <li>- Tunnel code : (E)</li> </ul> <p>A 'Class 9- A (IATA label ref 7.3.X)' label should be affixed to the package (mentioning UN3480) ADR declaration required with UN3480, Lithium-Ion Battery, 9, (E) + gross weight + shipper + destination</p>
<p><b>TRANSPORTATION OF "LITHIUM BATTERIES FOR DISPOSAL OR RECYCLING"</b></p> <p><b>For any LITHIUM BATTERIES FOR DISPOSAL OR RECYCLING road or sea transportation, please contact us to set up the best packaging to fulfil the legal requirements</b></p>	<p><b>ROAD TRANSPORTATION (ADR):</b></p> <ul style="list-style-type: none"> <li>- Permitted according to P909</li> <li>- Approved packaging group II</li> <li>- pallet weight limit: 333 kg – for &gt;333 kg, please consult us</li> <li>- Cells or batteries must be protected against short circuit.</li> <li>- Each inner packaging shall be surrounded by sufficient non-combustible / nonconductive material.</li> <li>- Package Transportation category : 2</li> <li>- Tunnel code : (E)</li> </ul> <p>Package shall be marked "lithium-ion batteries for disposal" or "lithium-ion batteries for recycling". A 'Class 9- A (IATA label ref 7.3.X)' label should be affixed to the package (mentioning UN3480) ADR declaration required with UN3480, Batteries for disposal, Lithium battery, 9, (E) A 2kg extinguisher is required into the lorry cabin. ADR declaration exemption possible as per SP636:</p> <ul style="list-style-type: none"> <li>- Products go directly from collecting point to treatment facility</li> </ul> <p><b>SEA TRANSPORTATION (IMDG):</b></p> <ul style="list-style-type: none"> <li>- Permitted according to P909</li> <li>- Approved packaging group II</li> <li>- Cells or batteries must be protected against short circuit.</li> <li>- Each inner packaging shall be surrounded by sufficient non-combustible and nonconductive material.</li> </ul> <p>Package shall be marked "lithium-ion batteries for disposal" or "lithium-ion batteries for recycling". A 'Class 9- A (IATA label ref 7.3.X)' label should be affixed to the package (mentioning UN3480) DG declaration required</p> <p><b>AIR TRANSPORTATION (IATA) :</b> <b>Forbidden! Unless approved by the appropriate national authority of the state of origin and the state of the operator</b></p>
<p><b>TRANSPORTATION OF "DAMAGED LITHIUM BATTERIES"</b></p> <p>For any Damaged batteries road or sea transportation, please contact us to set up the best packaging to fulfil the legal requirements</p>	<p><b>Damaged lithium batteries means in particular:</b></p> <ul style="list-style-type: none"> <li>- Batteries identified by the manufacturer as being defective for safety reasons;</li> <li>- Batteries with damaged or considerably deformed cases;</li> <li>- Leaking or venting batteries; or</li> <li>- Batteries with faults that cannot be diagnosed prior to carriage to a place of analysis</li> </ul> <p><b>ROAD TRANSPORTATION (ADR):</b></p> <ul style="list-style-type: none"> <li>- Permitted according to SP376 and packing instructions P908</li> <li>- pallet weight limit : 333 kg – for &gt;333 kg, please consult us</li> <li>- Package shall be marked "Damaged/defective lithium ion batteries".</li> <li>- All batteries which present a risk of rapid disassembly, dangerous reaction, flame production, heat evolution shall not be carried except specific conditions specified by competent authority.</li> <li>- Cells or batteries must be protected against short circuit.</li> <li>- Approved packaging group II</li> <li>- Each inner packaging shall be surrounded by sufficient non-combustible material.</li> <li>- Outer packaging weight limit : No</li> </ul> <p>A 'Class 9- A (IATA label ref 7.3.X)' label should be affixed to the package (mentioning UN3480) ADR declaration required with UN3480, batteries for disposal, Lithium batteries, 9, (E), gross weight + shipper + destination A 2kg extinguisher is required into the lorry cabin.</p>





	<p><b>SEA TRANSPORTATION (IMDG):</b></p> <ul style="list-style-type: none"> <li>- Permitted according to SP376 and packing instructions P908</li> <li>- Approved packaging group II</li> <li>- Each inner packaging shall be surrounded by sufficient non-combustible and nonconductive material.</li> <li>- Package shall be marked "UN3480 + Damaged/defective lithium ion batteries".</li> <li>- All batteries which present a risk of rapid disassembly, dangerous reaction, flame production, heat evolution shall not be carried except specific conditions specified by competent authority.</li> <li>- Cells or batteries must be protected against short circuit.</li> <li>- Outer packaging weight limit : No</li> </ul> <p>A 'Class 9- A (IATA label ref 7.3.X)' label should be affixed to the package (mentioning UN3480 Lithium-ion Battery)</p> <p>Multimodal declaration required with UN3480, lithium batteries, 9, FS : F-A, S-I, (E) + emergency phone number + shipper + destination</p> <p><b>AIR TRANSPORTATION (IATA): Forbidden!</b></p> <p>Note : Damaged lithium batteries means in particular:</p> <ul style="list-style-type: none"> <li>- Batteries identified by the manufacturer as being defective for safety reasons;</li> <li>- Batteries with damaged or considerably deformed cases;</li> <li>- Leaking or venting batteries;</li> <li>- Batteries with faults that cannot be diagnosed prior to carriage to a place of analysis</li> </ul>
<p>« Prototype »</p> <p>Less than 100 products</p> <p>Not tested for section 38.3 in UN Manuel of tests and criteria</p>	<p><b>ROAD TRANSPORTATION (ADR):</b></p> <ul style="list-style-type: none"> <li>- Less than 100 products.</li> <li>- Cells or batteries must be protected against short circuit.</li> <li>- Approved packaging group II and packing instructions P910 and SP310</li> <li>- Each inner packaging shall be surrounded by sufficient non-combustible material.</li> <li>- Outer packaging weight limit : No</li> </ul> <p>A 'Class 9- A (IATA label ref 7.3.X)' label should be affixed to the package (mentioning UN3480)</p> <p>ADR declaration required</p> <p><b>SEA TRANSPORTATION (IMDG):</b></p> <ul style="list-style-type: none"> <li>- Less than 100 products.</li> <li>- Cells or batteries must be protected against short circuit.</li> <li>- Approved packaging group II and packing instructions P910 and SP310</li> <li>- Each inner packaging shall be surrounded by sufficient non-combustible material.</li> <li>- Outer packaging weight limit : No</li> </ul> <p>A 'Class 9- A (IATA label ref 7.3.X)' label should be affixed to the package (mentioning UN3480 Lithium-ion battery)</p> <p>DG declaration required</p> <p><b>AIR TRANSPORTATION (IATA) : Normally Forbidden !</b></p> <p>But concessions possible under national Civil Aviation authority and SP A88 - For any prototype batteries air transportation, please contact us to set up the best packaging to fulfil the legal requirements.</p>
<p><b>Applicable UN numbers</b></p>	<p>UN 3480 (Lithium-ion batteries). UN 3481 (Lithium-ion batteries contained in equipment or Lithium-ion batteries packed with equipment).</p>
<p><b>Shipping name</b></p>	<p>Lithium-ion Batteries</p>
<p><b>EmS No.</b></p>	<p>F-A, S-I</p>
<p><b>Marine pollutant</b></p>	<p>No</p>
<p><b>ONU Class</b></p>	<p>Class 9</p>

## 15. Regulatory Information



OSHA hazard communication standard (29 CFR 1910.1200)

<b>Risk phrases</b>	Non-hazardous.
<b>UK regulatory references</b>	Classified under CHIP

## 16. Other information

This information has been compiled from sources considered to be dependable and is, to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty (either expressed or implied) or guarantee is made to the accuracy, reliability or completeness of the information contained herein.

This information relates to the specific materials designated and may not be valid for such material used in combination with any other materials or in any process. It is the user's responsibility to satisfy himself as to the suitability and completeness of this information for his particular use.

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