



SAFETY DATA SHEET

(REACH regulation (EC) n° 1907/2006 - n° 2020/878)

SECTION 1 : IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name : BATTERIE LITHIUM ION 18V - 5AH

Product code : SPIT-054548.

The battery is considered to be an ARTICLE for the purposes of REACH.

Voltage: 3.60 V

Electrical capacity: 2.500 Ah

Electric energy: 9.000 Wh

1.2. Relevant identified uses of the substance or mixture and uses advised against

Rechargeable lithium ion batteries.

1.3. Details of the supplier of the safety data sheet

Registered company name : SPIT PASLODE.

Address : 150, route de Lyon.26500.BOURG LES VALENCE.France.

Telephone : 0 810 102 102. Fax : 0 810 432 432.

Email : msds-reach@spit.com

<http://www.spit.fr>

1.4. Emergency telephone number : 112.

Association/Organisation : European emergency number.

Other emergency numbers

National Poisons Information Service of England: <http://npis.org> - NHS 111: dial 111 - National Poisons Information Centre of Ireland: 353 (1) 809 2166 - European Emergency Number Association (EENA) : 112

SECTION 2 : HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

In compliance with EC regulation No. 1272/2008 and its amendments.

May produce an allergic reaction (EUH208).

This mixture does not present a physical hazard. Refer to the recommendations regarding the other products present on the site.

This mixture does not present an environmental hazard. No known or foreseeable environmental damage under standard conditions of use.

2.2. Label elements

In compliance with EC regulation No. 1272/2008 and its amendments.

Additional labeling :

EUH208 Contains NICKEL POWDER [PARTICLE DIAMETER < 1MM]. May produce an allergic reaction.

EUH210 Safety data sheet available on request.

Other information :

2.3. Other hazards

The mixture contains substances classified as 'Substances of Very High Concern' (SVHC) \geq 0.1% published by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>

The mixture fulfils neither the PBT nor the vPvB criteria for mixtures in accordance with annexe XIII of the REACH regulations EC 1907/2006.

The mixture does not contain substances \geq 0.1% with endocrine disrupting properties in accordance with the criteria of the Delegated Regulation (EU) 2017/2100 of the Commission or Regulation (EU) 2018/605 of the Commission.

THE BATTERY IS AN ARTICLE CONTAINING AN INTEGRATED MIXTURE (electrolyte - REACH definition).

THE ELECTROLYTE IS CONSUMED DURING THE ARTICLE'S USE PHASE AND IS NOT REJECTED (unless the article is damaged).

THE ABOVE LABEL IS THEREFORE FOR INFORMATION PURPOSES in case the ARTICLE IS DAMAGED and should not be fixed to the article.

The rechargeable lithium ion batteries described in this SDS are sealed products that are not hazardous when used in accordance with the manufacturer's instructions.

Do not short circuit, pierce, incinerate, crush, submerge, forcefully discharge or expose to temperatures in excess of the operating range stated on the products. Risk of fire and explosion.

SECTION 3 : COMPOSITION/INFORMATION ON INGREDIENTS

3.2. Mixtures**Composition :**

Identification	(EC) 1272/2008	Note	%
CAS: 12325-84-7 LITHIUM NICKEL OXIDE			25~35
CAS: 7782-42-5 EC: 231-955-3 REACH: 01-2119486977-12 GRAPHITE		[1]	20~30
CAS: 7439-89-6 EC: 231-096-4 REACH: 01-2119462838-24 IRON			10~20
CAS: 7440-50-8 EC: 231-159-6 REACH: 17-2119429821-40 COPPER		[1]	5~15
CAS: 12190-79-3 EC: 235-362-0 COBALT LITHIUM DIOXIDE	GHS07, GHS02 Wng Flam. Liq. 3, H226 Acute Tox. 4, H332		1~5
INDEX: 607-027-00-2 CAS: 554-12-1 EC: 209-060-4 METHYL PROPIONATE	GHS02, GHS07 Dgr Flam. Liq. 2, H225 Acute Tox. 4, H332		1~5
INDEX: 013-001-00-6 CAS: 7429-90-5 EC: 231-072-3 ALUMINIUM POWDER (PYROPHORIC)	GHS02 Dgr Water-react. 2, H261 Pyr. Sol. 1, H250	[1]	1~5
CAS: 21324-40-3 EC: 244-334-7 REACH: 01-2119383485-29 LITHIUM HEXAFLUOROPHOSPHATE(1-)			1~3
CAS: 114435-02-8 EC: 483-360-5 1,3-DIOXOLAN-2-ONE, 4-FLUORO-			1~3
INDEX: 607-013-00-6 CAS: 616-38-6 EC: 210-478-4 DIMETHYL CARBONATE	GHS02 Dgr Flam. Liq. 2, H225		1~3
CAS: 9002-88-4 POLYETHYLENE			1~3
CAS: 1309-37-1 EC: 215-168-2 REACH: 01-2119457614-35 DIIRON TRIOXIDE		[1]	0.1~1
CAS: 1318-23-6 EC: 215-284-3 REACH: 01-2119555298-28 BOEHMITE (AL(OH)O)			0.1~1

CAS: 1333-86-4 EC: 215-609-9 REACH: 01-2119384822-32 CARBON BLACK		[1]	0.1~1
INDEX: 028-002-01-4 CAS: 7440-02-0 EC: 231-111-4 NICKEL POWDER [PARTICLE DIAMETER < 1MM]	GHS08, GHS07 Dgr Carc. 2, H351 STOT RE 1, H372 Skin Sens. 1, H317 Aquatic Chronic 3, H412	[1] [2]	0.1~1
INDEX: 606-021-00-7 CAS: 872-50-4 EC: 212-828-1 REACH: 01-2119472430-46 N-METHYL-2-PYRROLIDONE	GHS07, GHS08 Dgr Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 Repr. 1B, H360D	[1] [2] [6]	0.1~1
CAS: 11089-89-7 ALUMINIUM LITHIUM OXIDE (LIALO)			0.1~1
CAS: 7440-47-3 EC: 231-157-5 REACH: 01-2119485652-31 CHROME		[1]	0.1~1
CAS: 554-13-2 EC: 209-062-5 LITHIUM CARBONATE			0.1~1
INDEX: 601-023-00-4 CAS: 100-41-4 EC: 202-849-4 REACH: 01-2119489370-35 ETHYLBENZENE	GHS02, GHS07, GHS08 Dgr Flam. Liq. 2, H225 Acute Tox. 4, H332 STOT RE 2, H373 Asp. Tox. 1, H304	[1]	0.1~1

Specific concentration limits:

Identification	Specific concentration limits	ATE
INDEX: 606-021-00-7 CAS: 872-50-4 EC: 212-828-1 REACH: 01-2119472430-46 N-METHYL-2-PYRROLIDONE	STOT SE 3: H335 C>= 10%	

Information on ingredients :

(Full text of H-phrases: see section 16)

[1] Substance for which maximum workplace exposure limits are available.

[2] Carcinogenic, mutagenic or reprotoxic (CMR) substance.

[6] Substances of very high concern (SVHC).

Other data :

Each battery consists of a sealed metal container containing chemical substances and components, some of which may be hazardous in the event of a leak.

There is no risk from being exposed to these batteries unless the seal containing the electrochemical elements is broken by exposure to excess temperatures or the accidental application of abusive electrical or mechanical constraints.

SECTION 4 : FIRST AID MEASURES

As a general rule, in case of doubt or if symptoms persist, always call a doctor.

NEVER induce swallowing by an unconscious person.

4.1. description of first aid measures

If a battery is ruptured or opened, evacuate people from the contaminated zone and ensure maximum ventilation to eliminate any corrosive

gases, smoke or unpleasant odours.

If this event is the result of an accident, follow the advice below:

In the event of exposure by inhalation :

In the event of an allergic reaction, seek medical attention.

If inhaled, move the patient into the fresh air and keep warm and at rest.

In the event of splashes or contact with eyes :

Wash thoroughly with fresh, clean water for 15 minutes holding the eyelids open.

If there is any redness, pain or visual impairment, consult an ophthalmologist.

In the event of splashes or contact with skin :

Watch out for any remaining product between skin and clothing, watches, shoes, etc.

In the event of an allergic reaction, seek medical attention.

In the event of swallowing :

Seek medical attention, showing the label.

4.2. Most important symptoms and effects, both acute and delayed

No data available.

4.3. Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5 : FIREFIGHTING MEASURES

Non-flammable.

5.1. Extinguishing media

Suitable methods of extinction

In the event of a fire, use :

- sprayed water or water mist
- water jet

5.2. Special hazards arising from the substance or mixture

A fire will often produce a thick black smoke. Exposure to decomposition products may be hazardous to health.

Do not breathe in smoke.

In the event of a fire, the following may be formed :

- carbon monoxide (CO)
- carbon dioxide (CO₂)

5.3. Advice for firefighters

Due to the toxicity of the gas emitted on thermal decomposition of the products, fire-fighting personnel are to be equipped with autonomous insulating breathing apparatus.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Consult the safety measures listed under headings 7 and 8.

For first aid worker

First aid workers will be equipped with suitable personal protective equipment (See section 8).

6.2. Environmental precautions

Prevent any material from entering drains or waterways.

6.3. Methods and material for containment and cleaning up

Retrieve the product by mechanical means (sweeping/vacuuming).

Hermetically seal leaking batteries and any contaminated absorbent material in a plastic bag and eliminate it as Special Waste in accordance with local regulations.

6.4. Reference to other sections

No data available.

SECTION 7 : HANDLING AND STORAGE

Requirements relating to storage premises apply to all facilities where the mixture is handled.

7.1. Precautions for safe handling

Always wash hands after handling.

Remove and wash contaminated clothing before re-using.

Do not crush or pierce the batteries or short circuit their positive/negative terminals with conducting materials (e.g.: metals) as this can result in excessive heating.

Do not apply direct heat or solder. Do not burn batteries.

Do not mix different brands or types of battery. Do not mix new batteries with old batteries.
Store batteries in non-conductive trays (e.g.: plastic).
Do not disassemble, damage or mechanically degrade the batteries.

Fire prevention :

Prevent access by unauthorised personnel.

Recommended equipment and procedures :

For personal protection, see section 8.
Observe precautions stated on label and also industrial safety regulations.

Prohibited equipment and procedures :

No smoking, eating or drinking in areas where the mixture is used.

7.2. Conditions for safe storage, including any incompatibilities

No data available.

Storage

Leave a suitable gap between the batteries and walls.
Temperatures in excess of 70°C may cause batteries to leak and rupture.
Store batteries in their original packaging until they are to be used; do not mix them as a short circuit can cause a fire, a risk of leaks or rupture.

Packaging

Always keep in packaging made of an identical material to the original.

7.3. Specific end use(s)

Comply with the manufacturer's recommendations and the operating temperature range.
Applying pressure that can deform the battery may result in a disassembly followed by ocular, dermal or laryngeal irritation.
Do not immerse the batteries in water.
The batteries are not intended to be recharged by any external power sources other than Li-ion chargers approved by the manufacturer.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control parameters****Occupational exposure limits :**

- European Union (2019/1831, 2017/2398, 2017/164, 2009/161, 2006/15/CE, 2000/39/CE, 98/24/CE) :

CAS	VME-mg/m3 :	VME-ppm :	VLE-mg/m3 :	VLE-ppm :	Notes :
872-50-4	40	10	80	20	Peau
7440-47-3	2	-	-	-	-
100-41-4	442	100	884	200	Peau

- ACGIH TLV (American Conference of Governmental Industrial Hygienists, Threshold Limit Values, 2010) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
7782-42-5	2 (R) mg/m3				
7440-50-8	0.2 mg/m3	-	-	-	-
7429-90-5	2 mg/m3	-	-	-	-
1309-37-1	5 mg/m3	-	-	-	-
1333-86-4	3 (I) mg/m3			A3	
7440-02-0	1.5 mg/m3	-	-	-	I
7440-47-3	0.5 mg/m3	-	-	-	-
100-41-4	20 ppm			A3; BEI	

- Germany - AGW (BAuA - TRGS 900, 08/08/2019) :

CAS	VME :	VME :	Excess	Notes
7440-02-0		0.006 A mg/m ³		8(II)
872-50-4		20 ppm 82 mg/m ³		2(I)
7440-47-3		2E mg/m ³		1(I)
100-41-4		20 ppm 88 mg/m ³		2(II)

- Australia (NOHSC: 3008, 1995) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
7782-42-5	3 mg/m3			A	
7440-50-8	1 mg/m3	-	-	-	-
7429-90-5	2 mg/m3	-	-	-	-
1309-37-1	5 mg/m3			H	
1333-86-4	3 mg/m3			A	
7440-02-0	0.1 mg/m3			H	
872-50-4	25 ppm 103 mg/m3	75 ppm 309 mg/m3			

7440-47-3	0.5 mg/m ³			H	
100-41-4	100 ppm 434 mg/m ³	125 ppm 543 mg/m ³		H	

- Austria (BGBl. II, 254/2018, 382/2020) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
7782-42-5	5A mg/m ³	10 A mg/m ³			
7440-50-8	0.1 A mg/m ³	0.4 A mg/m ³			
7429-90-5	10 E mg/m ³	20 E mg/m ³			
1309-37-1	5A mg/m ³	10 A mg/m ³			
7440-02-0	0.5 E mg/m ³	2E mg/m ³		Sah	
872-50-4	10 ppm 40 mg/m ³	20 ppm 80 mg/m ³		H. Sh	
7440-47-3	2 mg/m ³			Sh*)	
100-41-4	100 ppm 440 mg/m ³	200 ppm 880 mg/m ³		H	

- Belgium (Arrêté du 19/11/2020) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
7782-42-5	2 mg/m ³				
7440-50-8	1 mg/m ³	-	-	-	-
7429-90-5	10 mg/m ³	-	-	-	-
1309-37-1	5 mg/m ³				
1333-86-4	3 mg/m ³				
7440-02-0	1 mg/m ³				
872-50-4	10 ppm 40 mg/m ³	20 ppm 80 mg/m ³		D	
7440-47-3	0.01 mg/m ³	-	-	-	-
100-41-4	20 ppm 87 mg/m ³	125 ppm 551 mg/m ³		D	

- France (INRS - ED984 / 2020-1546) :

CAS	VME-ppm :	VME-mg/m ³ :	VLE-ppm :	VLE-mg/m ³ :	Notes :	TMP No :
7782-42-5	-	2 A	-	-	-	25
7429-90-5	-	10	-	-	-	-
1309-37-1	-	5	-	-	-	44.44 Bis.94
1333-86-4	-	3.5	-	-	-	-
7440-02-0	-	1	-	-	C3	-
872-50-4	10	40	20	80	*. R1B	84
7440-47-3	-	2	-	-	-	-
100-41-4	20	88.4	100	442	*	84

- Switzerland (SUVAPRO 2019) :

CAS	VME	VLE	Valeur plafond	Notations
7782-42-5	5 ppm			
7440-50-8	0.1 ppm	0.2 mg/m ³		
7429-90-5	3 ppm			
1309-37-1	3 ppm			
7440-02-0	0.05 ppm			
872-50-4	20 ppm 80 mg/m ³	40 mg/m ³ 160 fc/m ³		
7440-47-3	0.5 ppm			
100-41-4	50 ppm 220 mg/m ³	50 mg/m ³ 220 fc/m ³		

- UK / WEL (Workplace exposure limits, EH40/2005, Fourth Edition 2020) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
7440-50-8	0.2 mg/m ³	-	-	-	-
7429-90-5	2 mg/m ³	-	-	-	-
1309-37-1	5 mg/m ³	10 mg/m ³	-	-	-
1333-86-4	3.5 mg/m ³	7 mg/m ³			
7440-02-0	0.1 mg/m ³	-	-	-	-
872-50-4	10 ppm 40 mg/m ³	20 ppm 80 mg/m ³		Sk	
7440-47-3	0.5 mg/m ³				
100-41-4	100 ppm 441 mg/m ³	125 ppm 552 mg/m ³		Sk	

- USA / OSHA PEL (Occupational Safety and Health Administration, Permissible Exposure Limits) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
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7782-42-5	15 mppcf	-	-	-	-
7440-50-8	1 mg/m3	-	-	-	-
7429-90-5	15 mg/m3	-	-	-	T
1309-37-1	15 mg/m3				
1333-86-4	3.5 mg/m3				
7440-02-0	1 mg/m3				
7440-47-3	0.5 mg/m3	-	-	-	-
100-41-4	100 ppm 435 mg/m3				

- USA / AIHA WEEL (American Industrial Hygiene Association, Workplace Environmental Exposure Limit, 2010) :

CAS	TWA :	STEL :	Ceiling :	Definition :	Criteria :
872-50-4	10 ppm			skin	

8.2. Exposure controls

Personal protection measures, such as personal protective equipment

Pictogram(s) indicating the obligation of wearing personal protective equipment (PPE) :



Use personal protective equipment that is clean and has been properly maintained.

Store personal protective equipment in a clean place, away from the work area.

Never eat, drink or smoke during use. Remove and wash contaminated clothing before re-using. Ensure that there is adequate ventilation, especially in confined areas.

- Eye / face protection

Avoid contact with eyes.

Before handling powders or dust emission, wear mask goggles in accordance with standard EN166.

- Hand protection

Wear suitable protective gloves in the event of prolonged or repeated skin contact.

Use suitable protective gloves that are resistant to chemical agents in accordance with standard EN ISO 374-1.

Gloves must be selected according to the application and duration of use at the workstation.

Protective gloves need to be selected according to their suitability for the workstation in question : other chemical products that may be handled, necessary physical protections (cutting, pricking, heat protection), level of dexterity required.

Type of gloves recommended :

- Nitrile rubber (butadiene-acrylonitrile copolymer rubber (NBR))

- Butyl Rubber (Isobutylene-isoprene copolymer)

- Neoprene® (Polychloroprene)

- PVC (polyvinyl chloride)

Protect against electrolyte leakage.

- Body protection

Work clothing worn by personnel shall be laundered regularly.

After contact with the product, all parts of the body that have been soiled must be washed.

Use personal protective equipment in the event of an electrolyte leak.

- Respiratory protection

Avoid inhaling dust.

Type of FFP mask :

Wear a disposable half-mask dust filter in accordance with standard EN149/A1.

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state

Physical state :	Solid.
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Colour

Unspecified

Odour

Odour threshold :	Not stated.
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Odour:	Odourless.
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Freezing point

Freezing point / Freezing range :	Not stated.
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Boiling point or initial boiling point and boiling range

Boiling point/boiling range :	Not relevant.
Flammability	
Flammability (solid, gas) :	Not stated.
Lower and upper explosion limit	
Explosive properties, lower explosivity limit (%) :	Not stated.
Explosive properties, upper explosivity limit (%) :	Not stated.
Flash point	
Flash point interval :	Not relevant.
Auto-ignition temperature	
Self-ignition temperature :	Not relevant.
Decomposition temperature	
Decomposition point/decomposition range :	Not relevant.
pH	
pH (aqueous solution) :	Not stated.
pH :	Not relevant.
Kinematic viscosity	
Viscosity :	Not stated.
Solubility	
Water solubility :	Insoluble.
Fat solubility :	Not stated.
Partition coefficient n-octanol/water (log value)	
Partition coefficient: n-octanol/water :	Not stated.
Vapour pressure	
Vapour pressure (50°C) :	Not relevant.
Density and/or relative density	
Density :	Not stated.
Relative vapour density	
Vapour density :	Not stated.

9.2. Other information

No data available.

9.2.1. Information with regard to physical hazard classes

No data available.

9.2.2. Other safety characteristics

No data available.

SECTION 10 : STABILITY AND REACTIVITY**10.1. Reactivity**

No data available.

10.2. Chemical stability

This mixture is stable under the recommended handling and storage conditions in section 7.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Avoid :

- formation of dusts
- heat
- flames and hot surfaces
- sparks

10.5. Incompatible materials

Keep away from :

- acids
- oxidising agents

10.6. Hazardous decomposition products

The thermal decomposition may release/form :

- carbon monoxide (CO)
- carbon dioxide (CO₂)

SECTION 11 : TOXICOLOGICAL INFORMATION

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

No data available.

11.1.1. Substances

No toxicological data available for the substances.

11.1.2. Mixture

Respiratory or skin sensitisation :

Contains at least one sensitising substance. May cause an allergic reaction.

Local lymph node stimulation test : Non-sensitiser.

Carcinogenicity :

Carcinogenicity Test : Negative.

No carcinogenic effect.

Specific target organ systemic toxicity - repeated exposure :

Inhalation route (Dusts/mist/fumes) : C > 0,25 mg/l/6hrs/day

11.2. Information on other hazards

Monograph(s) from the IARC (International Agency for Research on Cancer) :

CAS 100-41-4 : IARC Group 2B : The agent is possibly carcinogenic to humans.

CAS 7440-47-3 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

CAS 7440-02-0 : IARC Group 2B : The agent is possibly carcinogenic to humans.

CAS 1333-86-4 : IARC Group 2B : The agent is possibly carcinogenic to humans.

CAS 1309-37-1 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

CAS 9002-88-4 : IARC Group 3 : The agent is not classifiable as to its carcinogenicity to humans.

SECTION 12 : ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.2. Mixtures

No aquatic toxicity data available for the mixture.

12.2. Persistence and degradability

12.2.1. Substances

LITHIUM CARBONATE (CAS: 554-13-2)

Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

CARBON BLACK (CAS: 1333-86-4)

Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

DIIRON TRIOXIDE (CAS: 1309-37-1)

Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

1,3-DIOXOLAN-2-ONE, 4-FLUORO- (CAS: 114435-02-8)

Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

LITHIUM HEXAFLUOROPHOSPHATE(1-) (CAS: 21324-40-3)

Biodegradability : no degradability data is available, the substance is considered as not degrading quickly.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Endocrine disrupting properties

No data available.

12.7. Other adverse effects

No data available.

German regulations concerning the classification of hazards for water (WGK, AwSV vom 18/04/2017, KBws) :

WGK 1 : Slightly hazardous for water.

SECTION 13 : DISPOSAL CONSIDERATIONS

Proper waste management of the mixture and/or its container must be determined in accordance with Directive 2008/98/EC.

Do not incinerate or submit elements to temperatures in excess of 70°C. An excess temperature may damage the seal, cause a leak and/or cause elements to explode.

13.1. Waste treatment methods

Do not pour into drains or waterways.

Waste :

Waste management is carried out without endangering human health, without harming the environment and, in particular without risk to water, air, soil, plants or animals.

Recycle or dispose of waste in compliance with current legislation, preferably via a certified collector or company.

Do not contaminate the ground or water with waste, do not dispose of waste into the environment.

Soiled packaging :

Empty container completely. Keep label(s) on container.

Give to a certified disposal contractor.

Codes of wastes (Decision 2014/955/EC, Directive 2008/98/EEC on hazardous waste) :

16 06 05 other batteries and accumulators

SECTION 14 : TRANSPORT INFORMATION

Transport product in compliance with provisions of the ADR for road, RID for rail, IMDG for sea and ICAO/IATA for air transport (ADR 2021 - IMDG 2020 - ICAO/IATA 2021).

14.1. UN number or ID number

3480

~ See also UN 3481 ~

14.2. UN proper shipping name

UN3480=LITHIUM ION BATTERIES (including lithium ion polymer batteries)

~ See also UN 3481 - LITHIUM-ION CELLS AND BATTERIES INSTALLED IN OR PACKED WITH EQUIPMENT (including lithium ion batteries with polymer membrane) ~

14.3. Transport hazard class(es)

- Classification :

9A

14.4. Packing group

-

14.5. Environmental hazards

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14.6. Special precautions for user

The lithium ion batteries according to Section II/Section IB of PACKING INSTRUCTION 965, or Section II of PACKING INSTRUCTION 966-967 of the Dangerous Goods regulations 63th Edition may be transported.

ADR/RID	Class	Code	Pack gr.	Label	Ident.	LQ	Provis.	EQ	Cat.	Tunnel
	9	M4	-	9A	-	0	188 230 310 348 376 377 387 636	E0	2	E
IMDG	Class	2°Label	Pack gr.	LQ	EMS	Provis.	EQ	Stowage Handling	Segregation	
	9	-	-	0	F-A. S-I	188 230 310 348 376 377 384 387	E0	Category A SW19	-	
IATA	Class	2°Label	Pack gr.	Passager	Passager	Cargo	Cargo	note	EQ	
	9	-	-	Forbidden	Forbidden	Voir 965	Voir 965	A88 A99 A154 A164	E	

								A183 A201 A206 A213 A331 A334 A802	
	9	-	-	Forbidden	Forbidden	-	-	A88 A99 A154 A164 A183 A201 A206 A213 A331 A334 A802	E0

For limited quantities, see part 2.7 of the OACI/IATA and chapter 3.4 of the ADR and IMDG.

For excepted quantities, see part 2.6 of the OACI/IATA and chapter 3.5 of the ADR and IMDG.

14.7. Maritime transport in bulk according to IMO instruments

No data available.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

- Classification and labelling information included in section 2:

The following regulations have been used:

- EU Regulation No. 1272/2008 amended by EU Regulation No. 2021/643 (ATP 16)
- EU Regulation No. 1272/2008 amended by EU Regulation No. 2021/849 (ATP 17)

- Container information:

No data available.

- Particular provisions :

No data available.

- German regulations concerning the classification of hazards for water (WGK, AwSV vom 18/04/2017, KBws) :

WGK 1 : Slightly hazardous for water.

- Swiss ordinance on the incentive tax on volatile organic compounds :

872-50-4 N-méthyl-2-pyrrolidone (1-méthyl-2-pyrroli-done,1-méthyl-2-pyrroli-dinone)
100-41-4 éthylbenzène

15.2. Chemical safety assessment

No data available.

SECTION 16 : OTHER INFORMATION

Since the user's working conditions are not known by us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions.

It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations.

The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

Wording of the phrases mentioned in section 3 :

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H250	Catches fire spontaneously if exposed to air.
H261	In contact with water releases flammable gases.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H351	Suspected of causing cancer .
H360D	May damage the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure .
H373	May cause damage to organs through prolonged or repeated exposure .
H412	Harmful to aquatic life with long lasting effects.

Abbreviations :

REACH : Registration, Evaluation, Authorization and Restriction of Chemical Substances.

CMR: Carcinogenic, mutagenic or reprotoxic.

STEL : Short-term exposure limit

TWA : Time Weighted Averages

TMP : French Occupational Illness table

TLV : Threshold Limit Value (exposure)

AEV : Average Exposure Value.

ADR : European agreement concerning the international carriage of dangerous goods by Road.

IMDG : International Maritime Dangerous Goods.

IATA : International Air Transport Association.

ICAO : International Civil Aviation Organisation

RID : Regulations concerning the International carriage of Dangerous goods by rail.

WGK : Wassergefährdungsklasse (Water Hazard Class).

PBT: Persistent, bioaccumulable and toxic.

vPvB : Very persistent, very bioaccumulable.

SVHC : Substances of very high concern.