

Product Safety Information Sheet

A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis Issue date: 3/17/2023 Revision date: 3/17/2023 Supersedes version of: 12/16/2022 Version: 2.1

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

1.1. Product identifier	
Product form	Article
Name	Li-Ion Battery 16S3P ANR26650 for FX 3-A tool
Product code	BU Direct Fastening
1.2. Relevant identified uses of the substar	nce or mixture and uses advised against
1.2.1. Relevant identified uses	
Industrial/Professional use spec	For professional use only
Use of the substance/mixture	Electrical batteries and accumulators
1.2.2. Uses advised against	
No additional information available	
1.3. Details of the supplier of product safet	y information sheet
Supplier	Department issuing data specification sheet
Hilti France S.A.S.	Hilti Entwicklungsgesellschaft mbH
126 rue Gallieni	Hiltistraße 6
FR– 92100 Boulogne-Billancourt	DE– 86916 Kaufering
France	Deutschland
T +33 825 01 05 05	T +49 8191 906876
fr-contactez-nous@hilti.com	anchor.hse@hilti.com
1.4. Emergency telephone number	

+41 44 251 51 51 (international)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP] Not classified

Adverse physicochemical, human health and environmental effects No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

2.3. Other hazards

 Other hazards which do not result in classification
 For the battery chemical materials are stored in a hermetically sealed metal case, designed to withstand Temperatures and pressures encountered during normal use. As a result, during normal use there is no physical danger of ignition or explosion and chemical danger of hazardous materials leakage.

 It may cause heat generation or electrolyte leakage if battery terminals contact with other

metals. Electrolyte is flammable. In case of electrolyte leakage move the battery from fire immediately.

However if exposed to a fire, added mechanical shocks, decomposed, added electric stress by miss-use, the gas release vent will be operated. The battery case will be breaked at the extreme, hazardous materials may be released.

Moreover, if heated strongly by a surrounding fire, acrid gas may be emitted.



Product Safety Information Sheet

A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Comments

 Lithium Ion rechercheable battery pack:

 Name/Type
 Energy content (Wh)

 16S3P ANR26650
 396

 This product contains a positive electrode (Lithium iron phosphate), a negative electrode (graphite), electrolyte and binder.

The physical form of the product, however, precludes exposure to workers under normal conditions of use.

This mixture does not contain any substances to be mentioned according to the criteria of section 3.2 of REACH Annex II

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures general	If the electrolyte is leaking out of the battery pack, the following measures have to be taken.
First-aid measures after inhalation	Allow affected person to breathe fresh air. Allow the victim to rest. If necessary seek medical advice.
First-aid measures after skin contact	Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists.
First-aid measures after ingestion	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.
4.2. Most important symptoms and effe	cts, both acute and delayed
Symptoms/effects	Not expected to present a significant hazard under anticipated conditions of normal use.

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

Treat symptomatically.

SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	Cool batteries and accumulators with water jet. In case of fire in the surroundings: Use extinguishing agent suitable for surrounding fire.
5.2. Special hazards arising from the substa	ance or mixture
Fire hazard	Water may not extinguish burning batteries but will cool adjacent batteries and control the spread of fire. Burning batteries will burn themselves out. Virtually all fires involving lithium batteries can be controlled by flooding with water. However, the contents of the battery will react with water and form hydrogen gas. In a confined space, hydrogen gas can form an explosive mixture. In this situation, smothering agents are recomended.
Hazardous decomposition products in case of fire	Formation of toxic gases is possible during heating or in case of fire. Water might react with released Lithium hexafluorophosphate to highly toxic gaseous hydrogen fluoride.



Product Safety Information Sheet

A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis

5.3. Advice for firefighters	
Firefighting instructions	Use water spray or fog for cooling exposed containers. Exercise caution when fighting any
	chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting	Use a self-contained breathing apparatus and also a protective suit.

SECTION 6: Accidental release	se measures
6.1. Personal precautions, protective	e equipment and emergency procedures
General measures	No flames, no sparks. Eliminate all sources of ignition. Isolate from fire, if possible, without unnecessary risk.
6.1.1. For non-emergency personnel	
Emergency procedures	Evacuate unnecessary personnel.
6.1.2. For emergency responders	
Protective equipment	Equip cleanup crew with proper protection.
Emergency procedures	Ventilate area.
6.2. Environmental precautions	
Prevent entry to sewers and public waters.	Notify authorities if liquid enters sewers or public waters.
6.3. Methods and material for conta	inment and cleaning up
Methods for cleaning up	Take up liquid spill into absorbent material.
Other information	Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Additional hazards when processed	Normal use of this product shall imply use in accordance with the instructions on the packaging and in line with the expectations of a professional user.
Precautions for safe handling	Do not soak in water or seawater.
	Do not expose to strong oxidizers.
	Do not give a strong mechanical shock or fling.
	Never disassemble, modify or deform.
	Do not connect the positive terminal to the negative terminal with electrically conductive material.
	Use only the chargers / electric tools specified by Hilti to charge or discharge the battery.
	Do not throw into fire or expose to high temperatures (>85 °C).
	Do not connect the positive terminal to the negative terminal with electrically conductive
	material. Charge within limits of 0°C to 45°C temperature.
	Discharge within limits of -20°C to +60°C temperature.
Hygiene measures	Always wash hands after handling the product.
7.2. Conditions for safe storage, including a	any incompatibilities
Storage conditions	Protect from heat and direct sunlight. Protect from moisture.
Incompatible products	Strong bases. Strong acids.
Incompatible materials	Sources of ignition. Direct sunlight.
Storage temperature	-20 – 45 °C (humidity: 0% - 80%)
Information on mixed storage	Store away from water.
	Do not store together with electrically conductive materials.
	The accu-pack should be stored at 30 to 50% of the charging capacity.

Avoid storing in places where it is exposed to static electricity.



Product Safety Information Sheet

A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis

Storage area

Store in a well-ventilated place.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. National occupational exposure and biological limit values

No additional information available

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure adequate ventilation. If the electrolyte is leaking out of the battery pack, the following measures have to be taken.

8.2.2. Personal protection equipment

Personal protective equipment:

Avoid all unnecessary exposure.

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection: Chemical goggles or safety glasses

8.2.2.2. Skin protection

Hand protection:

Wear protective gloves.

Hand protection					
Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Nitrile rubber (NBR)	6 (> 480 minutes)	0,12		EN ISO 374

8.2.2.3. Respiratory protection

Respiratory protection: No additional information available

8.2.2.4. Thermal hazards

No additional information available



Product Safety Information Sheet

A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis

8.2.3. Environmental exposure controls

Other information:

Do not eat, drink or smoke during use. No additional information available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

ColourGrey.OdourNot availableOdour thresholdNot availableMelting pointNot availableFreezing pointNot availableBoling pointNot availableBoling pointNot availableBoling pointNot availableBoling pointNot availableExplosive propertiesRisk of explosion by shock, friction, fire or other sources of ignition.Lower explosion limitNot applicableUpper explosion limitNot applicableAuto-ignition temperatureNot applicablePHNot availablePHNot availableViscosity, kinematicNot availableViscosity, kinematicNot availableVapour pressureNot availableVapour pressure at 50°CNot availableVapour pressure at 50°CNot availableRelative vapour density at 20°CNot availableParticle sizeNot availableParticle size distributionNot availableParticle aggregation stateNot availableParticle aggregation state <t< th=""><th>Physical state</th><th>Solid</th></t<>	Physical state	Solid
Odour thresholdNot availableMelting pointNot availableFreezing pointNot availableBoiling pointNot availableFlammabilityNot availableExplosive propertiesRisk of explosion by shock, friction, fire or other sources of ignition.Lower explosion limitNot applicableUpper explosion limitNot applicableAuto-ignition temperatureNot applicableAuto-ignition temperatureNot availablePHNot availableViscosity, kinematicNot availableViscosity, kinematicNot availableVapur pressure at 50°CNot availableVapur pressure at 50°CNot availablePelative densityNot availableRelative densityNot availableParticle sizeNot availableParticle sizeNot availableParticle size distributionNot availableParticle aggregation stateNot availableParticle aggregation state<	Colour	Grey.
Melting pointNot availableFreezing pointNot availableBoiling pointNot availableFlammabilityNot availableFlammabilityNot availableExplosive propertiesRisk of explosion by shock, friction, fire or other sources of ignition.Lower explosion limitNot applicableUpper explosion limitNot applicableVato-ignition temperatureNot applicablePecomposition temperatureNot availablePHNot availablePHNot availableViscosity, kinematicNot availableVato-upressureNot availableVatour pressureNot availableVapour pressure at 50°CNot availableVapour pressure at 50°CNot availableRelative densityNot availableRelative vapour density at 20°CNot availableParticle sizeNot availableParticle size distributionNot availableParticle aggregation stateNot av	Odour	Not available
Freezing pointNot availableBoiling pointNot availableBoiling pointNot availableFlammabilityNot availableExplosive propertiesRisk of explosion by shock, friction, fire or other sources of ignition.Lower explosion limitNot applicableUpper explosion limitNot applicableUpper explosion temperatureNot applicablePdNot availablePdNot availablePdNot availablePdNot availablePdNot availablePdNot availablePdNot availablePdNot availableViscosity, kinematicNot availableSolubilityNot availablePartition coefficient n-octanol/water (Log Kow)Not availableVapour pressureNot availableVapour pressure at 50°CNot availableRelative densityNot availableRelative vapour density at 20°CNot availableParticle sizeNot availableParticle size distributionNot availableParticle size distributionNot availableParticle size distributionNot availableParticle aspect ratioNot availableParticle aggregation stateNot availableParticle aggregation stateNot availableParticle agglomeration stateNot	Odour threshold	Not available
Boiling pointNot availableFlammabilityNot availableExplosive propertiesRisk of explosion by shock, friction, fire or other sources of ignition.Lower explosion limitNot applicableUpper explosion limitNot applicableHash pointNot applicableAuto-ignition temperatureNot applicableDecomposition temperatureNot availablePHNot availablePJ solutionNot availableViscosity, kinematicNot availableSolubilityNot availableVapour pressureNot availableVapour pressure at 50°CNot availableVapour pressure at 50°CNot availableRelative densityNot availableRelative densityNot availableParticle sizeNot availableParticle size distributionNot availableParticle aggregation stateNot availableParticle aggregation stateNot availableParticle agglomeration stateNot available	Melting point	Not available
FlammabilityNot availableExplosive propertiesRisk of explosion by shock, friction, fire or other sources of ignition.Lower explosion limitNot applicableUpper explosion limitNot applicableFlash pointNot applicableAuto-ignition temperatureNot applicableDecomposition temperatureNot availablepHNot availablepH solutionNot availableViscosity, kinematicNot availableSolubilityNot availableParticion coefficient n-octanol/water (Log Kow)Not availableVapour pressureNot availableVapour pressure at 50°CNot availableDensityNot availableRelative densityNot availableParticle sizeNot availableParticle size distributionNot availableParticle aspect ratioNot availableParticle aggregation stateNot availableParticle agglomeration stateNot available	Freezing point	Not available
Explosive propertiesRisk of explosion by shock, friction, fire or other sources of ignition.Lower explosion limitNot applicableUpper explosion limitNot applicableFlash pointNot applicableAuto-ignition temperatureNot applicableDecomposition temperatureNot availablepHNot availablepH solutionNot availableViscosity, kinematicNot availableSolubilityNot availableVapour pressureNot availableVapour pressure at 50°CNot availablePelative densityNot availableRelative vapour density at 20°CNot availableParticle size distributionNot availableParticle sapect ratioNot availableParticle aggregation stateNot availableParticle aggregation stateNot availableParticle agglomeration stateNot available	Boiling point	Not available
Lower explosion limitNot applicableUpper explosion limitNot applicableFlash pointNot applicableAuto-ignition temperatureNot applicableDecomposition temperatureNot availablepHNot availablepH solutionNot availableViscosity, kinematicNot availableSolubilityNot availableVapour pressureNot availableVapour pressure at 50°CNot availablePartition coefficient n-octanol/water (Log Kow)Not availableVapour pressure at 50°CNot availablePartitio ensity at 20°CNot availablePartice sizeNot availablePartice size distributionNot availablePartice size distributionNot availablePartice size distributionNot availablePartice aggregation stateNot availablePartice agglomeration stateNot available	Flammability	Not available
Upper explosion limitNot applicableFlash pointNot applicableAuto-ignition temperatureNot applicableDecomposition temperatureNot availablepHNot availablepH solutionNot availableViscosity, kinematicNot availableSolubilityNot availablePartition coefficient n-octanol/water (Log Kow)Not availableVapour pressureNot availableVapour pressure at 50°CNot availablePelative densityNot availableRelative densityNot availableParticle sizeNot availableParticle size distributionNot availableParticle shapeNot availableParticle apgregation stateNot availableParticle agglomeration stateNot available	Explosive properties	Risk of explosion by shock, friction, fire or other sources of ignition.
Flash pointNot applicableAuto-ignition temperatureNot applicableDecomposition temperatureNot availablepHNot availablepH solutionNot availableViscosity, kinematicNot applicableSolubilityNot availablePartition coefficient n-octanol/water (Log Kow)Not availableVapour pressureNot availableVapour pressure at 50°CNot availableDensityNot availableRelative densityNot availableRelative vapour density at 20°CNot availableParticle sizeNot availableParticle sizeNot availableParticle size distributionNot availableParticle size distributionNot availableParticle sapect ratioNot availableParticle aggregation stateNot availableParticle agglomeration stateNot available	Lower explosion limit	Not applicable
Auto-ignition temperatureNot applicableDecomposition temperatureNot availablepHNot availablepH solutionNot availableViscosity, kinematicNot availableSolubilityNot availablePartition coefficient n-octanol/water (Log Kow)Not availableVapour pressureNot availableVapour pressure at 50°CNot availableDensityNot availableRelative density at 20°CNot availableParticle sizeNot availableParticle size distributionNot availableParticle sapect ratioNot availableParticle aggregation stateNot availableParticle agglomeration stateNot available	Upper explosion limit	Not applicable
Decomposition temperatureNot availablepHNot availablepH solutionNot availableViscosity, kinematicNot applicableSolubilityNot availablePartition coefficient n-octanol/water (Log Kow)Not availableVapour pressureNot availableVapour pressure at 50°CNot availableDensityNot availableRelative densityNot availableRelative vapour density at 20°CNot availableParticle sizeNot availableParticle size distributionNot availableParticle sapect ratioNot availableParticle aggregation stateNot availableParticle agglomeration stateNot available	Flash point	Not applicable
pHNot availablepH solutionNot availableViscosity, kinematicNot availableSolubilityNot availablePartition coefficient n-octanol/water (Log Kow)Not availableVapour pressureNot availableVapour pressure at 50°CNot availableDensityNot availableRelative densityNot availableRelative vapour density at 20°CNot availableParticle sizeNot availableParticle size distributionNot availableParticle sapect ratioNot availableParticle aggregation stateNot availableParticle agglomeration stateNot available	Auto-ignition temperature	Not applicable
pH solutionNot availableViscosity, kinematicNot availableSolubilityNot availablePartition coefficient n-octanol/water (Log Kow)Not availableVapour pressureNot availableVapour pressure at 50°CNot availableDensityNot availableRelative densityNot availableRelative vapour density at 20°CNot availableParticle sizeNot availableParticle size distributionNot availableParticle size distributionNot availableParticle sapect ratioNot availableParticle aggregation stateNot availableParticle agglomeration stateNot available	Decomposition temperature	Not available
Viscosity, kinematicNot applicableSolubilityNot availablePartition coefficient n-octanol/water (Log Kow)Not availableVapour pressureNot availableVapour pressure at 50°CNot availableDensityNot availableRelative densityNot availableRelative vapour density at 20°CNot applicableParticle sizeNot availableParticle size distributionNot availableParticle size distributionNot availableParticle sapect ratioNot availableParticle aggregation stateNot availableParticle agglomeration stateNot available	рН	Not available
SolubilityNot availablePartition coefficient n-octanol/water (Log Kow)Not availableVapour pressureNot availableVapour pressure at 50°CNot availableDensityNot availableRelative densityNot availableRelative vapour density at 20°CNot applicableParticle sizeNot availableParticle size distributionNot availableParticle shapeNot availableParticle aspect ratioNot availableParticle aggregation stateNot availableParticle agglomeration stateNot available	pH solution	Not available
Partition coefficient n-octanol/water (Log Kow)Not availableVapour pressureNot availableVapour pressure at 50°CNot availableDensityNot availableRelative densityNot availableRelative vapour density at 20°CNot availableParticle sizeNot availableParticle size distributionNot availableParticle shapeNot availableParticle aspect ratioNot availableParticle aggregation stateNot availableParticle agglomeration stateNot available	Viscosity, kinematic	Not applicable
Vapour pressureNot availableVapour pressure at 50°CNot availableDensityNot availableRelative densityNot availableRelative vapour density at 20°CNot applicableParticle sizeNot availableParticle size distributionNot availableParticle shapeNot availableParticle aspect ratioNot availableParticle aggregation stateNot availableParticle agglomeration stateNot available	Solubility	Not available
Vapour pressure at 50°CNot availableDensityNot availableRelative densityNot availableRelative vapour density at 20°CNot availableParticle sizeNot availableParticle size distributionNot availableParticle shapeNot availableParticle aspect ratioNot availableParticle aggregation stateNot availableParticle agglomeration stateNot available	Partition coefficient n-octanol/water (Log Kow)	Not available
DensityNot availableRelative densityNot availableRelative vapour density at 20°CNot availableParticle sizeNot availableParticle size distributionNot availableParticle shapeNot availableParticle aspect ratioNot availableParticle aggregation stateNot availableParticle agglomeration stateNot available	Vapour pressure	Not available
Relative densityNot availableRelative vapour density at 20°CNot applicableParticle sizeNot availableParticle size distributionNot availableParticle shapeNot availableParticle aspect ratioNot availableParticle aggregation stateNot availableParticle agglomeration stateNot available	Vapour pressure at 50°C	Not available
Relative vapour density at 20°CNot applicableParticle sizeNot availableParticle size distributionNot availableParticle shapeNot availableParticle aspect ratioNot availableParticle aggregation stateNot availableParticle agglomeration stateNot available	Density	Not available
Particle sizeNot availableParticle size distributionNot availableParticle shapeNot availableParticle aspect ratioNot availableParticle aggregation stateNot availableParticle agglomeration stateNot available	Relative density	Not available
Particle size distributionNot availableParticle shapeNot availableParticle aspect ratioNot availableParticle aggregation stateNot availableParticle agglomeration stateNot available	Relative vapour density at 20°C	Not applicable
Particle shapeNot availableParticle aspect ratioNot availableParticle aggregation stateNot availableParticle agglomeration stateNot available	Particle size	Not available
Particle aspect ratioNot availableParticle aggregation stateNot availableParticle agglomeration stateNot available	Particle size distribution	Not available
Particle aggregation state Not available Particle agglomeration state Not available	Particle shape	Not available
Particle agglomeration state Not available	Particle aspect ratio	Not available
	Particle aggregation state	Not available
Particle specific surface area Not available	Particle agglomeration state	Not available
	•	
Particle dustiness Not available	Particle dustiness	Not available

9.2. Other information

9.2.1. Information with regard to physical hazard classes No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable under normal conditions.



Product Safety Information Sheet

A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis

10.3. Possibility of hazardous reactions

Heating may cause a fire or explosion.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Water, humidity.

10.5. Incompatible materials

Conductive materials, water, seawater, strong oxidizers and strong acids.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

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

Acute toxicity (oral)	Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	Not classified (Based on available data, the classification criteria are not met)
Skin corrosion/irritation	Not classified (Based on available data, the classification criteria are not met)
Serious eye damage/irritation	Not classified (Based on available data, the classification criteria are not met)
Respiratory or skin sensitisation	Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity	Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity	Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity	Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	Not classified (Based on available data, the classification criteria are not met)
STOT-repeated exposure	Not classified (Based on available data, the classification criteria are not met)
Aspiration hazard	Not classified (Based on available data, the classification criteria are not met)

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Adverse health effects caused by endocrine disrupting properties

11.2.2. Other information

Potential adverse human health effects and symptoms

Other information

No additional information available

This product contains an organic electrolyte. If the electrolyte is leaking out of the battery pack, the following effects are known when getting into contact:Irritation: severely irritant to eyes,Severely irritant to skin,Irritation: may cause irritation to the respiratory system. When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us

SECTION 12: Ecological information

12.1. LOXICITY	
Hazardous to the aquatic environment, short-term (acute)	Not classified (Based on available data, the classification criteria are not met)
Hazardous to the aquatic environment, long-term (chronic)	Not classified (Based on available data, the classification criteria are not met)
12.2. Persistence and degradability	
No additional information available	
12.3. Bioaccumulative potential	
No additional information available	
12.4. Mobility in soil	
No additional information available	



Product Safety Information Sheet

A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis

12.6. Endocrine disrupting prope	rties
No additional information available	
12.7. Other adverse effects	
Additional information	Do not allow battery packs to penetrate the soil.
	The battery cell may corrode and electrolyte may leak.

13.1. Waste treatment methods

Product/Packaging disposal recommendations	Dispose in a safe manner in accordance with local/national regulations. Refer to manufacturer/supplier for information on recovery/recycling.
Ecology - waste materials	Avoid release to the environment.
European List of Waste (LoW) code	16 06 05 - other batteries and accumulators
	20 01 34 - batteries and accumulators other than those mentioned in 20 01 33
HP Code	HP3 - "Flammable:"
	 – flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil,
	diesel and light heating oils having a flash point > 55 °C and \leq 75 °C;
	- flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small
	quantities, is liable to ignite within five minutes after coming into contact with air;
	 – flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction;
	- flammable gaseous waste: gaseous waste which is flammable in air at 20 °C and a
	standard pressure of 101.3 kPa;
	- water reactive waste: waste which, in contact with water, emits flammable gases in
	dangerous quantities;
	 other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste.

SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

ADR	IMDG	ΙΑΤΑ	ADN	RID		
14.1. UN number or ID number						
UN 3480	UN 3480	UN 3480	UN 3480	UN 3480		
14.2. UN proper shipping n	14.2. UN proper shipping name					
LITHIUM ION BATTERIES	LITHIUM ION BATTERIES	Lithium ion batteries	LITHIUM ION BATTERIES	LITHIUM ION BATTERIES		
Transport document description						
UN 3480 LITHIUM ION BATTERIES, 9A, (E)	UN 3480 LITHIUM ION BATTERIES, 9	UN 3480 Lithium ion batteries, 9A	UN 3480 LITHIUM ION BATTERIES, 9A	UN 3480 LITHIUM ION BATTERIES, 9A		
14.3. Transport hazard class(es)						
9A	9A	9A	9A	9A		



Product Safety Information Sheet

A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis

ADR	IMDG	ΙΑΤΑ	ADN	RID
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazard	ls		I	
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No
No supplementary informatio	n available		L	1
14.6. Special precautions	s for user			
Overland transport				
Classification code (ADR) Special provisions (ADR) Limited quantities (ADR) Excepted quantities (ADR) Packing instructions (ADR) Transport category (ADR) Tunnel restriction code (ADR)		M4 230, 310, 348, 376, 377, 387, 636 0 E0 P903, P908, P909, P910, P911, LP903, LP904, LP905, LP906 2 E		
Transport by sea Special provisions (IMDG) Limited quantities (IMDG) Excepted quantities (IMDG) Packing instructions (IMDG) EmS-No. (Fire) EmS-No. (Spillage) Stowage category (IMDG) Stowage and handling (IMDG Properties and observations (I) IMDG)	230, 310, 348, 376, 377, 384, 387 0 E0 P903, P908, P909 , P910, P911, LP903, LP904, LP905, LP906 F-A S-I A SW19 Electrical batteries containing lithium ion encased in a rigid metallic body. Lithium ion batteries may also be shipped in, or packed with, equipment. Electrical lithium batteries m cause fire due to an explosive rupture of the body caused by improper construction or reaction with contaminants.		
Air transport PCA Excepted quantities (IAT PCA Limited quantities (IATA) PCA limited quantity max net PCA packing instructions (IAT PCA max net quantity (IATA) CAO packing instructions (IAT CAO max net quantity (IATA) Special provisions (IATA) ERG code (IATA)	quantity (IATA) 'A) 'A)	E0 Forbidden Forbidden Forbidden See 965 See 965 A88, A99, A154, A164, A183, A201, A213, A331, A334, A802 12FZ		
Inland waterway transport Classification code (ADN) Special provisions (ADN) Limited quantities (ADN) Excepted quantities (ADN) Equipment required (ADN) Number of blue cones/lights (A		M4 230, 310, 348, 376, 377, 387, 63 0 E0 PP 0	6	



Product Safety Information Sheet

A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis

Rail transport	
Classification code (RID)	M4
Special provisions (RID)	230, 310, 348, _376, 377, 387, 636
Limited quantities (RID)	0
Excepted quantities (RID)	E0
Packing instructions (RID)	P903, 908, 909, P910, P911, LP903, LP904, LP905, LP906
Transport category (RID)	2
Colis express (express parcels) (RID)	CE2
Hazard identification number (RID)	90

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

REACH Annex XVII (Restriction List)

Not applicable.

REACH Annex XIV (Authorisation List)

Not applicable.

REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis



Product Safety Information Sheet

A safety data sheet is not required for this product under Article 31 of REACH. This Product Safety Information Sheet has been created on a voluntary basis

Indication of changes				
Section	Changed item	Change	Comments	
	General	Modified	SDS EU format according to COMMISSION REGULATION (EU) 2020/878	
1	Trade name	Modified		
14	Transport information	Modified		

SDS EU HILTI