

 Address: Lianding Testing Building, No.18 Center Road of Yayuan Industrial Zone, Nancheng District, Dongguan, Guangdong, China.

 Tel:
 86-769-3893 3228

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 http://www.gdutl.com

<u>je</u>	State State	TEST RE	PORT	Page	e 2 of 14
	1. Identificatio	n of the product a	nd supplier		
	Name of goods	SLAUMXLI10-12			>
	Type/Model	12V 10Ah			
	Rating	12.8V, 10Ah, 128Wh	UTIP .	UTIE -	Ś
	Commissioned by	UltraMax Batteries			
	Commissioner address	Watkins House, Pegamoi	d Road, London N1	8 2NG	>
	Manufacturer's name	UltraMax Batteries			
212-	Manufacturer's address	Watkins House, Pegamoi	d Road, London N1	8 2NG	
In	spection according to	UN "Recommendations o	n the TRANSPORT	OF DANGEROUS GC	)ODS"
E	Emergency telephone call	+44 (0) 2088038899		, Qu	
$\wedge$	Receiving date: 2022-04-07		Date of issue	: 2022-04-25	
5					



2. Composition Information						
Chemical Composition	Chemical Formula	Weight(%)	CAS Number			
Lithium Iron Phosphate	LiFePO <sub>4</sub>	42.08	15365-14-7			
Graphite	C <sub>24</sub> X <sub>12</sub>	19.70	7782-42-5 21324-40-3			
Lithium Hexafluorophosphate	LiPF <sub>6</sub>	16.78				
Copper	Cu	11.43	7440-50-8			
Aluminium	AI	5.85	7429-90-5			
Polypropylene	(C <sub>3</sub> H <sub>6</sub> )n	1.56	9003-07-0			
Polyvinylidene Fluoride (PVDF)	(CH <sub>2</sub> -CF <sub>2</sub> )n	1.06	24937-79-9			
Nickel	Ňi	0.70	7440-02-0			
Styrene Butadiene Rubber (SBR)	C <sub>36</sub> H <sub>42</sub> X <sub>2</sub>	0.59	61789-96-6			
Carboxymethylcellulose	C <sub>8</sub> H <sub>16</sub> NaO <sub>8</sub>	0.25	9000-11-7			

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3. Hazards Identification						
Explosive risk		This article does not belong to the explosion dangerous goods				
Flammable risk		This article does not belong to the flammable material				
Oxidation risk		This article does not belong to the oxidation of dangerous goods				
Toxic risk		This article does not belong to the toxic dangerous goods				
Radioactive risk		This article does not belong to the radiation of dangerous goods				
Mordant risk	(1 <sup>1</sup>	This article does not belong to the corrosion of dangerous goods				
other risk		Watt hour rate 128Wh, which belong to the Class 9 of dangerous goods.				

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## 4. First aid measures

## Eye

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

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## Skin

Remove contaminated clothes and rinse skin with plenty of water or shower for 15 minutes. Get medical aid.

## Inhalation

Remove from exposure and move to fresh air immediately. Use oxygen if available.

## Ingestion

Give at least 2 glasses of milk or water. Induce vomiting unless patient is unconscious. Call a physician.

# 5. Fire-fighting measures

Flash Point: N/A.

Auto-Ignition Temperature: N/A.

Extinguishing Media: Water, CO2.

Special Fire-Fighting Procedures: Self-contained breathing apparatus.

**Unusual Fire and Explosion Hazards:** Cell may vent when subjected to excessive heat-exposing battery contents.

Hazardous Combustion Products: Carbon monoxide, carbon dioxide, lithium oxide fumes.



## 6. Accidental release measures

### Steps to be Taken in case Material is Released or Spilled

If the battery material is released, remove personnel from area until fumes dissipate. Provide maximum ventilation to clear out hazardous gases. Wipe it up with a cloth, and dispose of it in a plastic bag and put into a steel can. The preferred response is to leave the area and allow the battery to cool and vapors to dissipate. Provide maximum ventilation. Avoid skin and eye contact or inhalation of vapors. Remove spilled liquid with absorbent and incinerate.

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#### Waste Disposal Method

It is recommended to discharge the battery to the end, to use up the metal lithium inside the battery, and to bury the discharged battery in soil.

# 7. Handling and storage

The battery should not be opened, destroyed or incinerate, since they may leak or rupture and release to the environment the ingredients that they contain in the hermetically sealed container. Do not short circuit terminals, or over charge the battery, forced over-discharge, throw to fire. Do not crush or puncture the battery, or immerse in liquids.

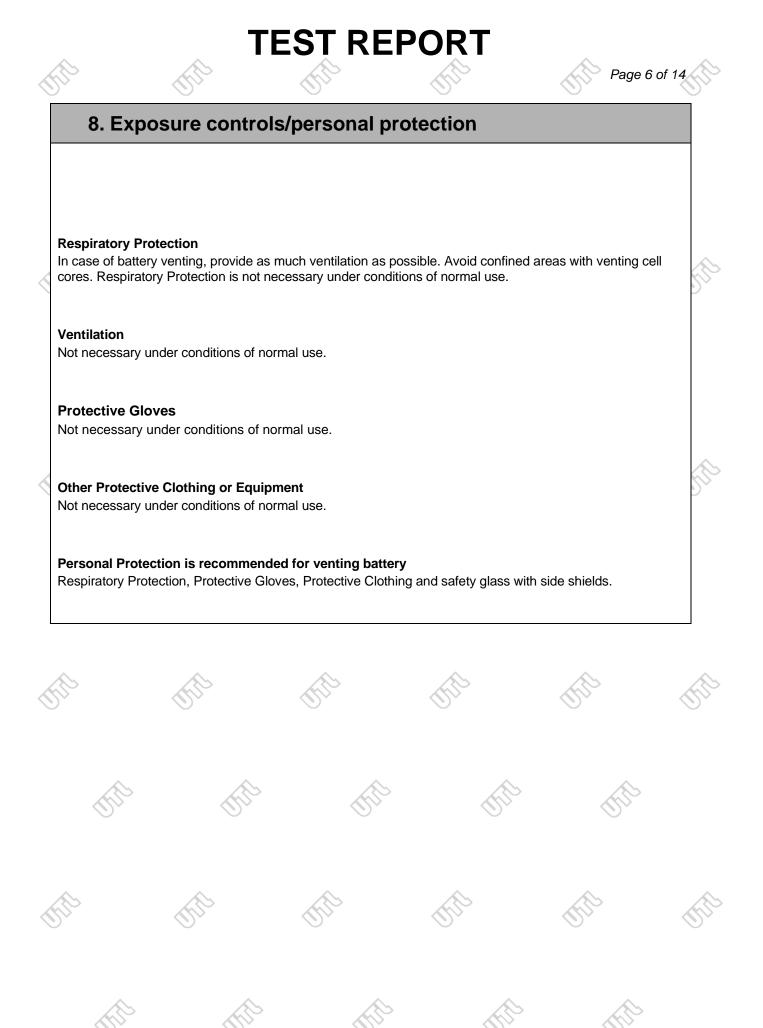
### Precautions to be taken in handling and storing

Avoid mechanical or electrical abuse. Storage preferably in cool, dry and ventilated area, which is subject to little temperature change. Storage at high temperatures should be avoided. Do not place the battery near heating equipment, nor expose to direct sunlight for long periods.

## **Other Precautions**

The battery may explode or cause burns, if disassembled, crushed or exposed to fire or high temperatures.

Do not short or install with incorrect polarity.



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# 9. Physical and chemical properties

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Appearance: Approximate Cuboid

Odour: If leaking, smells of medical ether.

Odor Threshold: Not applicable.

pH: Not applicable.

Melting Point/freezing point: Not applicable.

Initial boiling point and Boiling range: Not applicable.

Flash Point: Not applicable.

Evaporation rate: Not applicable.

Flammability (solid, gas): Not applicable.

Upper/lower flammability or explosive limits: Not applicable.

Vapor Pressure: Not applicable.

Vapor Density: Not applicable.

Relative density: Not applicable.

Solubility (water): Not applicable.

Solubility (other): Not applicable.

n-octanol/water partition coefficient: Not applicable.

Auto-ignition temperature: Not applicable.

Decomposition temperature: Not applicable.



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# **10. Stability and reactivity**

Stability: Product is stable under conditions described in Section 7.

**Conditions to avoid:** Heat above 70°C or incinerate. Deform. Mutilate. Crush. Disassemble. Overcharge. Short circuit. Expose over a long period to humid conditions.

Materials to avoid: Oxidising agents, alkalis, water.

Hazardous Decomposition Products: Toxic Fumes, and may form peroxides.

Hazardous Polymerization: N/A.

If leaked, forbidden to contact with strong oxidizers, mineral acids, strong alkalies, halogenated hydrocarbons.

# **11. Toxicological information**

## Signs & symptoms: None, unless battery ruptures.

In the event of exposure to internal contents, vapour fumes may be very irritating to the eyes and skin.

Inhalation: Lung irritant.

Skin contact: Skin irritant

Eye contact: Eye irritant

Ingestion: Poisoning if swallowed

Medical conditions generally aggravated by exposure: In the event of exposure to internal contents, moderate to server irritation, burning and dryness of the skin may occur, Target organs nerves, liver and kidneys.

# **12. Ecological information**

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Mammalian effects: None known at present.

Eco-toxicity: None known at present.

Bioaccumulation potential: Slowly Bio-degradable.

Environmental fate: None known environmental hazards at present.

# 13. Disposal consideration

Do not incinerate, or subject cells to temperature in excess of 70°C, Such abuse can result in loss of seal leakage, and/or cell explosion. Dispose of in accordance with appropriate local regulations.



# **14. Transport information**

Label for conveyance: the Class 9—Lithium Battery hazard label, the Cargo aircraft Only Label

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UN Number: UN3480 or UN3481

Packing Group: Group II

EmS No: F-A, S-I

Marine pollutant: No

Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises: No further information

**Proper Shipping name:**. 1) Lithium ion batteries; 2) Lithium ion batteries packed with equipment; 3) Lithium ion batteries contained in equipment.

Hazard Classification: The goods shall be complied with the requirements of Section IA of Packing Instructions 965 of 63rd DGR Manual of IATA (2022 Edition) and IMDG CODE (Amdt. 40-20) 2020 Edition, including the passing of the UN38.3 test.

Label for conveyance: the Class 9-Miscellaneous Dangerous Goods

UN Number: UN3171

Packing Group: N/A.

EmS No: F-A, S-I

Marine pollutant: No

Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises: No further information

Proper Shipping name: Battery-powered vehicle

**Hazard Classification:** The goods shall be complied with the requirements of Packing Instructions 952 of 63rd DGR Manual of IATA (2022 Edition) and IMDG CODE (Amdt. 40-20) 2020 Edition, including the passing of the UN38.3 test.

# 15. Regulation information

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## Law information

《Dangerous Goods Regulations》

«Recommendations on the Transport of Dangerous Goods Model Regulations»

《International Maritime Dangerous Goods》

«Technical Instructions for the Safe Transport of Dangerous Goods»

《Classification and code of dangerous goods》

«Occupational Safety and Health Act» (OSHA)

《Toxic Substance Control Act》 (TSCA)

《Consumer Product Safety Act》 (CPSA)

《Federal Environmental Pollution Control Act》(FEPCA)

《The Oil Pollution Act》 (OPA)

«Superfund Amendments and Reauthorization Act TitleIII (302/311/312/313)» (SARA)

《Resource Conservation and Recovery Act》(RCRA)

«Safety Drinking Water Act》(CWA)

«California Proposition 65»

《Code of Federal Regulations》(CFR)

In accordance with all Federal, State and local laws.

# 16. Other information

This file is only effective to the batteries (12V 10Ah) provided by UltraMax Batteries which manufactured by UltraMax Batteries. The commissioner provides the composition information of batteries, and promises its integrity and accuracy. Users should read this file carefully, and use the batteries in correct method. GUANGDONG UTL CO., LTD. (UTL) doesn't assume responsibility for any damage or loss because of misuse of batteries.

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Figure 1 Overall view I of battery

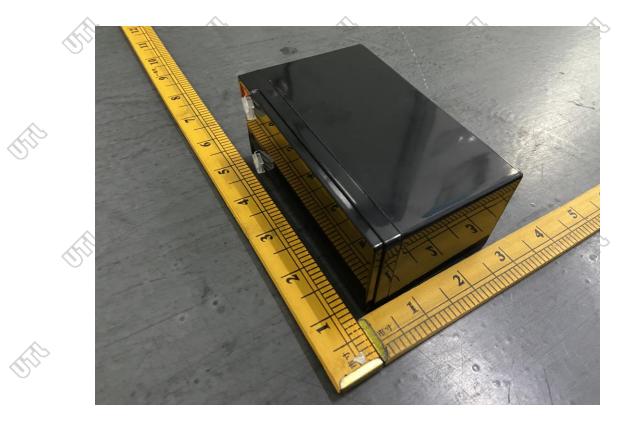


Figure 2 Overall view II of battery

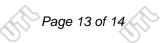
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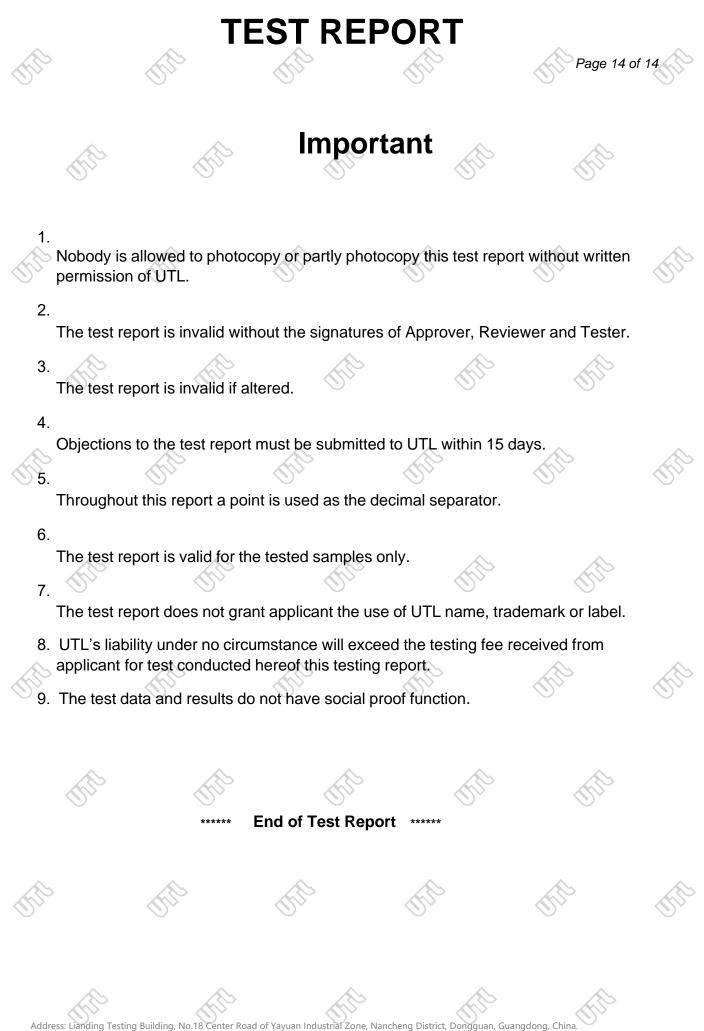
## Photos



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