MSDS

MATERIAL SAFETY DATA SHEET

Client	:	**Shenzhen Smartnewo Technology Co.,Ltd.** 4th Floor Building C, No. 1301-5 Guanguang Rd. Guanlan St., Longhua Dist., Shenzhen Guangdong China.
Prepared by	:	**Shenzhen Huaxiang Testing Co., Ltd** 201, Building A10, Fuhai Information Port, Fuhai Street, Bao'an District, Shenzhen City
Report Date	:	**2025-01-16**
Report No.	:	**HUAX250114084KR**

Prepared by(Test Engineer): Kevin Su

Approved(Manager): Amy Jiang

SECTION 1.CHEMICAL PRODUCT INFORMATION

Product details:

Product name	:	Electric Bike Pump
Model	:	BL01,BL03
Mark	:	/
TEL	:	/
Fax	:	/
E-mail	:	/

Supplier/Manufacturer

Applicant	:	Shenzhen Smartnewo Technology Co.,Ltd.
Address	:	4th Floor Building C, No. 1301-5 Guanguang Rd. Guanlan St., Longhua Dist., Shenzhen Guangdong China.

Summary:

As specified by the client, This safety data sheet was prepared in accordance with Un GHS Rev.7, The COMMISSION REGULATION (EU) 2020/878, and US OSH Hazard Communication Standards(29 CFR 1910.1200). Please refer to attached report for details.

SECTION 2.HAZARDS IDENTIFICATION

Lithium Cobalt Oxide	May cause sensitization by inhalation and skin contact.
Ethylene carbonate	Irritating to eyes, respiratory system and skin.
Polypropylene	May release harmful gases such as carbon monoxide and carbon dioxide under high temperature conditions
Carbonate, methyl ethyl	Highly flammable. Harmful if ingested or inhaled. Use only CO2 or halon to extinguish flame.
Other materials are either inert or have low hazard associated with their exposure.	

SECTION 3. COMPOSITION /HAZARDOUS INGREDIENTS

Hazardous Components:

Chemical Name	CAS No.	Content (wt%)
Lithium Cobalt Oxide	12190-79-3	30-35%
Graphite	7782-42-5	10-20%
Polyvinylidene Fluoride (PVDF)	24937-79-9	<1%
Copper	7440-50-8	10-15%
Aluminum	7429-90-5	5-10%
Styrene Butadiene Rubber (SBR)	61789-96-6	<1%
Carboxymethylcellulose	9000-11-7	<1%
Nickel	7440-02-0	1-5%
Polypropylene	9003-07-0	<1%
Nylon	24937-16-4	1%
Phosphate(1-), hexafluoro-, lithium	21324-40-3	10-15%

SECTION 4. FIRST AID MEASURES

Eyes:	irrigate thoroughly with water.Obtain medical attention.
Skin:	drench the skin thoroughly with water.Remove contaminated clothing and wash before
Inhalation:	remove from exposure,rest and keep warm.In severe cases,obtain medical attention.
Ingestion:	wash out mouth thoroughly with water and give plenty of water to drink.Obtain medical attention.

SECTION 5. FIGHTING MEASURES

There would be explosion in the case where significant quantities of lithium-manganese dioxide batteries have been involved in a fire. Applicable extinguishing media: CO2 fire extinguisher , ABC dry powder extinguisher , sand ,etc.Do not use water as extinguishing agent. Firemen should wear the air breathe machine, helmet, glasses ,etc.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Do not breath vapours or touch liquid with bare hands.If the skin has come into contact with the electrolyte it should be washed thoroughly with water.Earth or sand should be used to absorb the exudation.Seal leaking battery and earth in a heavy-duty Polythene bag and dispose of as special waste.

SECTION 7. HANDING AND STORAGE

Pack the batteries well,and avoid short circuit.
Never disassemble batteries.
Do not breathe cell vapors or touch internal material with bare hands.
Store batteries in cool well-ventilated area,keep out of direct sunlight.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

External corrosion of the nickle can could result in theformation of toxic metal salts.Avoid ingestion,Wash hands after contact.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIED

Appearance:	Liquid
Color:	Yellow
Odor:	Stimulating odor
Boiling Point:	Not available.
Melting Point:	Not available.
Flashpoint:	Not available.
Vapour pressure:	Not available.
Solubility in water:	Not available.
Partition coefficient (n-octanol / water):	Not available.
Viscosity:	Not available.
PH Value:	3-7
Solubility:	Not available.

SECTION 10. STABILITY AND REACTIVITY

Hazardous materials are housed within a sealed unit,under normal conditions this unit is stable and non-hazardous.
Lithium will react with water and produce flammable gas if the seal of battery is damaged.

.

SECTION 11.TOXICOLOGICAL INFORMATION

No toxicity unless the battery is damaged.

SECTION 12. ECOLOGICAL INFORMATION

Toxicity	No data available
Persistence and degradability	No data available
Bioaccumulative potential	No data available
Mobility in soil	No data available
Other adverse effects	No data available

SECTION 13. DISPOSAL CONSIDERATIONS

Do not incinerate or subject cells to temperature in excess of 80℃.Dispose of in accordance with local regulations..

SECTION 14.TRANSPORT INFORMATION

World transports and stipulates :

Lithium battery international transportation rules

Effective October 1, 2008 all LIXING lithium batteries are not subject to the requirements of the U.S. Department of Transportation (DOT), Subchapter C, Hazardous Material Regulations if shipped in compliance with 49 CFR 173.185 and Special Provision 188.Currently all LIXING lithium batteries can be transported under the International Civil Aviation Organization (ICAO) and the Packing Instructions (PI) 968 (Batteries), PI 969 (Batteries, packed with equipment) and PI 970(Batteries, contained in equipment).

They are considered to be non-dangerous by the IATA Dangerous Goods regulations as below:

- The goods with lithium metal cells and should complies with IATA DGR **61** st EDITION
- The substance is not restricted to IMO IMDG code according to special provision 188.
- A lithium metal cell, the lithium content is not more than 1g.
- For these lithium cells/batteries contained in equipment, the equipment is equipped and protected with an effective means to prevent short circuits, dangerous reverse current flow and accidental activation.
- This consignment does not contain any recalled and/or defective batteries that have the potential of producing a dangerous evolution of heat, fire or short circuit.
- Each package of batteries must be capable of withstanding a 1. 2m-drop test in any orientation without damage to dells or batteries contained therein, shifting of the contents so as to allow battery to battery(or cell to cell) contact and/or release of contents.
- Each cell or battery is of the type proven to meet the requirements of each test in the UN Manual of Tests an Criteria, Part III,subsection 38.3 as of the Material Safety Data Sheet Reference Number LX-QR-824-38.

The only requirement for shipping these batteries, in all modes of transportation, are that they must be separated to prevent short-circuits and to prevent movement that could lead to short-circuits. They must also be packed in strong packaging that can withstand the rigors normal to transportation.

SECTION 15. REGULATORY INFORMATION

Law Information
《Dangerous Goods Regulation》 《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 Substances Control Act》(TSCA) 《Consumer Product Safety Act》(CPSA) 《Federal Environmental Pollution Control Act》(FEPCA) 《The Oil Pollution Act》(OPA) 《Superfund Amendments and Reauthorization Act Title III (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.

SECTION 16. OTHER INFORMATION

The above information is based on the data of which we are aware and is believed to be correct as of the data hereof. Since this information may be applied under conditions beyond our control and with which may be unfamiliar and since data made available subsequent to the data hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

※※※※※※ THE END ※※※※※※