

Material Safety Data Sheet

Section1- COMPANY IDENTIFICATION

Manufacture/Supplier: Hangzhou WUQIANDAN Technology CO., LTD

Address: Room 1551,Building 1, Tong Ren Jing Hua Xihu District of Hangzhou, Zhejiang, China.

Post Code: 310030

Tel: + 86 0571 86932200

Fax: +86 0571 86935500

E-mail: w5000dan@126.com

Section2-COMPOSITION/ INFORMATION ON THE COMPONENTS

Product Mode : Cylindrical battery

Product Type : LiFePO4 battery pack B3634-26650D

Chemical Name	Percent of Content	CAS No.	OSHA (PEL)	ACGIH (TLV)
LITHIUM IRON PHOSPHATE (LiFePO4)	≤45%	15365-14-7	N/A	0.02mg/m ³ as Co
Graphite	25%~35%	7782-42-5	15mg/m ³ (as dust)	3.5mg/m ³
Poly Vnylidene Fluoride (PVDF)	<2%	24937-79-9	N/A	N/A
Acetylene Black	0.5%~3%	1333-86-4	N/A	N/A
Electrolyte	10%~18%	623-53-0/21324-4 0-3	N/A	N/A
Al Foil	3%~7%	7429-90-5	N/A	N/A
Cu Foil	8%~10%	7440-50-8	N/A	N/A
Nickel	0.5%~2%	7440-02-0	N/A	N/A

Section3-HAZARD IDENTIFICATION

Main Hazard : Flammable under High temperature.

Effects of (over) exposure : Irritation of skin, eyes and respiratory tract.

Symptoms of (over) exposure

Inhalation : Coughing, headache, dizziness, unconsciousness.

Skin : As a result of absorption through the intact skin, the substance may cause dry skin, redness.

Eyes : Pain, redness.

Ingestion : Sore throat, stomach-ache, headache, dizziness, dullness.

Section4-FIRST-AID MEASURES

Inhalation: Move to fresh air, rest half upright position, loosen clothing. Seek for medical advice after significant exposure.

Skin: Polymer Li-ion battery should not have liquid from electrolyte flowing, but in case the electrolyte comes into contact with the skin, wash off immediately with plenty of soap and water. Take all contaminated clothing off

immediately.

Ingestion: Seek for medical advice as soon as possible. Do not induce vomiting because of risk of aspiration.

Section5-FIRE-FIGHTING MEASURES

Extinguishing measures

Suitable: Dry chemical, Powder, CO2 foam, sand, water (only large amounts).

Not to be used: Not applicable

Hazardous thermal decomposition and combustion products

In case of fire toxic fumes might be formed.

Protective equipment: Wear full protective clothing and self-contained breathing apparatus.

Section6-ACCIDENTAL RELEASE MEASURES

Personal precautions : Put on adequate protective equipment. Do not breathing vapor.

Environmental precautions :Keep away from drains, surface-water, ground-water and soil.

Clean procedures : Collect as much as possible in a clean container for disposal. Disposal according to local regulations.

Section7-HANDLING AND STORAGE

Handing : Use the battery properly according to the product specification. Do not disassemble or short-circuit the battery.

Storage : Store away from sources of heat or ignition. Over high temperature will make the cell inflate; melt the separator, causing short circuit.

Storage area should be : cool, dry, well ventilated, out of direct sunlight, away from metal or sharp edge, such as keys, pins, or wires.

Suitable storage materials are: Plastic or insulated holder.

Section8-EXPOSURE CONTROLS/ PERSONAL PROTECTION

Respiratory protection : Suitable respiratory equipment.

Hand protection : Protective gloves

Eye protection : Safety goggles

Skin protection : Suitable protective clothing

Section9-Physical and Chemical Properties

Nominal Voltage : 36V

Rated Capacity : 3.4Ah

Appearance and Odor : cylindrical cells.

Water Solubility : Insoluble

Flash Point : 52° F (25° C) (DMC)

Section10-STABILITY AND REACTIVITY INFORMATION

Stability : Stable under normal conditions.

Conditions to Avoid : High temperatures. High humidity.

Materials to Avoid : Metallic objects.

Section11-TOXICOLOGICAL INFORMATION

Inhalation, skin contact and eye contact are possible when the battery is opened. Exposure to internal contents ,the corrosive fumes will be very irritation to skin ,eyes and mucous membranes. Overexposure can cause symptoms of non-fibrotic lung injury and membrane irritation.

Section12-ECOLOGICAL INFORMATION

When properly used or disposed the battery does not present environmental hazard. When disposed, keep away from water ,rain and snow.

Section13-DISPOSAL INFORMATION

Methods of disposal : Li-ion battery contains no toxic metals, only naturally occurring trace elements. It is advisable to consult with local authorities as disposal regulations may vary dependent on location. Incinerating and disposing of the cell in fire are strictly prohibited, because it may cause rupture.

Danger(s) : Fully charged battery may cause fire or explosion when disposed improperly. Fully discharged the battery before disposal .

Section14-TRANSPORT INFORMATION

UN number : 3480 &3481

UN proper shipping name: Li-ion batteries(limited to a maximum of 30%Soc),Li-ion batteries contained in equipments or Li-ion batteries packed with equipment including Li-ion batteries.

Transport hazard class(es): 9

Marine pollutant (Yes/No.) : No

Transport in bulk (According to Annex II of MARPOL 73/78 and the IBC Code):No information available.

Special precautions which a user need to be aware of , or needs to comply with, in connection with transport or conveyance either within or outside their premises.

Transport information:

The Li-ion batteries was protected so as t prevent short circuits, This includes protection against contact with conductive materials within the same packaging that could lead to short circuit.

The Li-ion batteries can be shipped by sea, by air and by land, according to Section IA of packing instruction 965, or section I of packing instruction 966-967 of 2016 IATA Dangerous goods regulations 57th Edition may be transported, and applicable U.S. DOT regulations for the safe transport of Li-ion Battery.

More information concerning shipping, testing, marking and packaging can be obtained from label master at <http://www.labelmaster.com/>.

The packaging shall be adequate to avoid mechanical damage during transport, handling and stacking. The materials pack design shall be chosen so as to prevent the development of unintentional electrical conduction, corrosion of the terminals and ingress of moisture.

The packaging must be handled with care and that s flammability hazard exists if the package is damaged,

Section15-ADDITIONAL INFORMATION

Although data in this Material Data Sheet are based on information of this moment and are believed reliable, we cannot assume any responsibility for the use thereof, nor do we accept any liability for loss or damages directly or indirectly caused by our product. The user is held to check the safety, quality and all other properties of this product prior to use.