

Safety data sheet for chemical products (SDS)

1. PRODUCT AND COMPANY IDENTIFICATION

- Product name: Lithium Ion Batteries
- Product code: QV-AUF009D1B

- Company name: Prime Planet Energy Dalian Co., Ltd (PPEDL)
- Address: No.177, Haiming Road, Dalian Free Trade Zone, Liaoning Province
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2. COMPOSITION / INFORMATION ON INGREDIENTS

- Substance or mixture: Mixtures
- Information about the chemical nature of product:

Common chemical name / General name	CAS number	NIOSH / RTECS number	Concentration / Concentration range
Lithium Metal Oxide	Not listed	Not listed	15-25%
Aluminum	7429-90-5	BD0330000	20-30%
Graphite	7782-42-5	FF5250100	5-15%
Copper	7440-50-8	GL5325000	15-25%
Organic electrolyte	Not listed	Not listed	15-25%

3. HAZARDS IDENTIFICATION

For the cell, chemical materials are stored in a hermetically sealed Aluminum 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.

However, if exposed to a fire, added mechanical shocks, decomposed, added electric stress by miss-use, the cell case will be breached at the extreme, hazardous materials may be released.

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

- Most important hazard and effects

Human health effects:

Inhalation: The steam of the electrolyte has an anesthesia action and stimulates a respiratory tract.

Skin contact: The steam of the electrolyte stimulates a skin. The electrolyte skin contact causes a sore and the stimulation on the skin.

Eye contact: The steam of the electrolyte stimulates eyes. The electrolyte eye contact causes a sore and the stimulation on the eye. Especially, substance that causes a strong inflammation of the eyes is contained.

Environmental effects: Since a battery cell remains in the environment, do not throw it into the environment.

- Specific hazards:

If the electrolyte contacts with water, it will generate detrimental hydrogen fluoride.

Since the leaked electrolyte is flammable liquid, do not bring close to fire.

4. FIRST AID MEASURES

Internal cell materials of an opened battery cell

- Inhalation: Make the victim blow his/her nose, gargle. Seek medical attention if necessary.
- Skin contact: Remove contaminated clothes and shoes immediately. Wash extraneous matter or contact region with soap and plenty of water immediately.
- Eye contact: Do not rub one's eyes. Immediately flush eyes with water continuously for at least 15 minutes. Seek medical attention immediately.