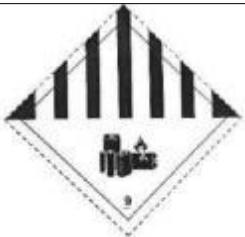

Material Safety Data Sheet

Sample Name: Rechargeable Li ion Battery

Manufacturer: Xiamen Well Energy Technology Co., Ltd

Material Safety Data Sheet

Chemical Product and Company Identification	
Sample Name	Rechargeable Li ion Battery
Model	CGB E5.1L
Manufacturer	Xiamen Well Energy Technology Co., Ltd
China - Manufacturer Address	One of 3 Floor, No. 999 Min'an Rd., Torch Hi-tech Ind. Dev. Zone,Xiang'An District 361101,Xiamen Fujian, China
China - Manufacturer Phone	+86 592 3110088 to 5312
China - Manufacturer Emergency Phone	+86 15060745334
China - Manufacturer E-mail Address	alex.hong@clenergy.com.cn
Importer	Clenergy Australia
Australia - Importer Address	3/10 Duerdin St Clayton VIC 3168 Australia
Australia – Importer Phone	+61 1800 255 269
Australia – Importer Emergency Phone	+61 3 9239 8088
Australia - Importer E-mail Address	service@clenergyess.com
2. Hazards Identification	
Hazard label	 Class 9- Lithium batteries
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	This article does not belong to the corrosion of dangerous goods.
other risk	Battery which belong to the Lithium-ion battery.

3. Composition Information

Hazardous components	Content / %	CAS NO.	Remark
Lithium iron phosphate	49%	(CAS-No.)15365-14-7 (EC-No.)476-700-9	--
Phosphate(1-), hexafluoro, lithium	3%	(CAS-No.)21324-40-3 (EC-No.)244-334-7	--
Graphite	24%	(CAS-No.)7782-42-5 (EC-No.)231-955-3	--
Aluminum	6%	(CAS-No.)7429-90-5 (EC-No.)231-072-3	--
Copper	13%	(CAS-NO.)7440-50-8 (EC-No.)231-159-6	--
Polypropylene	5%	(CAS-No.)9002-88-4 (EC-No.)200-815-3	--

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.

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.

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 betaken 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.

8. Exposure controls/personal protection

Respiratory Protection

In case of battery venting, provide as much ventilation as possible. Avoid confined areas with venting cell cores.

Respiratory Protection is not necessary under conditions of normal use.

Ventilation

Not necessary under conditions of normal use.

Protective Gloves

Not necessary under conditions of normal use.

Other Protective Clothing or Equipment

Not necessary under conditions of normal use.

Personal Protection is recommended for venting battery

Respiratory Protection, Protective Gloves, Protective Clothing and safety glass with side shields.

9. Physical and chemical properties

Appearance: Quadrate shape

Odors: If leaking, smells of medical ether.

pH: Not applicable as supplied.

Flash Point: Not applicable unless individual components exposed.

Flammability: Not applicable unless individual components exposed.

Relative density: Not applicable unless individual components exposed.

Solubility (water): Not applicable unless individual components exposed.

Solubility (other): Not applicable unless individual components exposed.

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 maybe 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

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: Class 9 Hazard Label,

UN Number: UN 3480

Proper Shipping name: Lithium ion batteries (including lithium ion polymer batteries)

Packaging Group: II

IMDG CODE Special provisions: 188, 230, 310, 348, 376, 377, 384, 387

EmS No: F-A ,S-I

Marine pollutant: No

Hazard Classification: The goods shall be complied with the Packing Instructions P903 of IMDG CODE (Amdt.40-20) , including the passing of the UN38.3 test.

15. Regulation information

Legal 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 (Model: CGB E5.1L) provided by Xiamen Well Energy Technology Co., Ltd. The manufacturer provides the composition information of batteries, and promises its integrity and accuracy. Users should read this file carefully, and use the batteries in the correct method. The material safety data sheet is furnished to every manufacturer as a reference to secure the safe handling of chemicals.

Every manufacturer is requested to carry out appropriate actions for chemical handling as their own responsibility. The supplier makes no warrantee, either express or implied. Concerning of these products , User assumes all risks resulting from its use.

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