

# Material Safety Data Sheet

Sample: Battery, Jump Starter

Model No: N/A

Client Unit: GUANGZHOU FENGXING SPIRAL BATTERY CO., LTD.

Client Address: No.38 Xincun Road, Gaosha Village, Dagang Town, Panyu District,  
Guangzhou

Written by:

*Sophia Li*

Inspected by:

*[Signature]*

Approved by:

*Mike Zeng*



Comtest Lab for physical & chemical analysis



**MSDS**

No.: MSDS201501120015

Date: Jan. 12, 2015

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## Material Safety Data Sheet

### Section 1 – Chemical Product and Company Identification

**Product Name:** Battery, Jump Starter

**Model No:** N/A

**Manufacturer:** GUANGZHOU FENGXING SPIRAL BATTERY CO., LTD.

**Address:** No.38 Xincun Road, Gaosha Village, Dagang Town, Panyu District, Guangzhou

**Post Code:** 511473      **Fax No:** 86-20-84645117

**Emergency Telephone:** 86-20-84645117

**E-mail:** N/A

### Section 2 – Composition/Information on Ingredient

Pure chemical ☐

Mixture ☒

Chemical Name	Weight (%)	CAS No.
Lead	60%	7439-92-1
Sulfuric acid	20%	7664-93-9
ABS plastic	10%	9003-56-9
Epoxy resin	10%	61788-97-4

### Section 3 – Hazards Summarizing

**Classification of Danger:** (see section 14)

**Invasion Route:** eyes, skin contact, ingestion

**Health Hazard:** The Valve-regulated lead-acid batteries are not hazardous when used according to the instructions of manufacturer under normal conditions. In case of abuse, there is risk of rupture, fire, heat, leakage of internal components. With could cause casualty loss. Contact with internal components may cause irritation or burns to eyes and skin. Abuses include but not limited to the following cases: charged for long time, short circuited, put into fire, whacked with hard object, punctured with acute object, crushed, and broken.

**Environmental Hazard:** The internal electrolyte may cause adverse environmental impacts.

**The Danger of Burning and Exploding:** May occur fire or explosion in high temperature or short circuit.



### Section 4 – First Aid Measures

The valve-regulated lead-acid batteries are not hazardous with eye and skin contact under normal circumstance. In case of internal hazardous substance leaking, following measures should be taken if body parts contact with these substance.

**After skin contact:** In case of contact, immediately wash skin with soap and copious amounts of water

**After eye contact:** In case of contact, flush eyes with clean water for 15 minutes while lifting eyelids. Get prompt medical attention.

**After inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

**After ingestion:** If swallowed, wash out mouth with water provided person is conscious. Call a physician.

### Section 5 – Fire Fighting Measures

**Characteristics of Hazard:** Toxic fumes; gases or vapors may evolve on burning.

**Hazardous Combustion Products:** CO, CO<sub>2</sub>, acid, hydrogen and oxygen gas

**Fire-extinguishing Methods and Extinguishing Media:** CO<sub>2</sub>, dry chemical powder, or appropriate foam.

**Attention in Fire-extinguishing:** The Firemen should put on antigas masks and full fire-fighting suits.

### Section 6 – Accidental Release Measures

When leakage of batteries happens, liquid could be absorbed with sands, earth, or other inert substance, and the contaminated area should be ventilated meantime. Damaged batteries that are not hot or burning should be placed in a sealed plastic bag or container.

### Section 7 – Handling and Storage

**Handling:** Do not handling the batteries in manner that allows terminals to short circuit.

**Storage:** Store and used far away from heat, sparks, open flame, or other heat ignition sources, and under room temperature (<30°C) in ventilating and dehumidifying environments.

### Section 8 – Exposure Controls, Personal Protection

**Maximum Allowable Concentration:** No Standard available



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**Engineering Controls:** No engineering controls are required for handling batteries that have not been damaged. Personal protective equipments for damaged batteries should include chemical resistant gloves and safety glasses.

## Section 9 – Physical and Chemical Properties

Not applicable.

## Section 10 – Stability and Reactivity

**Stability:** Stable under normal temperatures and pressures.

**Incompatibility:** Oxidizing agents

**Conditions to Avoid:** Heat and open flame, short circuit, and water

**Hazardous polymerization:** Will not occur

**Decomposition Products:** CO, CO<sub>2</sub>, acid, hydrogen and oxygen gas

## Section 11 – Toxicological Information

This product does not elicit toxicological properties during normal handling and use.

## Section 12 – Ecological Information

**Ecological toxicity:** N/A

**Biodegradability:** N/A

**Non-biodegradability:** N/A

**Other hazardous:** The internal electrolyte may cause adverse environmental impacts

## Section 13 – Disposal Considerations

**Waste Treatment:** Recycle or dispose of in accordance with government, state & local regulations.

**Attention for Waste Treatment:** Deserted batteries could not be treated as ordinary trash. Could not be thrown into fire or placed in high temperature. Could not be dissected, pierced, crushed or treated similarly. Best way is recycling.

**Section 14 – Transport Information**

UN No: N/A

Proper shipping name: N/A

Packing group: N/A

ICAO/IATA	IMDG CODE	DOT
Not-regulated	Not-regulated	Not-regulated
Can be shipped by air in accordance with International Air Transport Association (IATA), DGR Packing Instruction (PI), PI806 appropriate	International Maritime Organization (IMO) under Special Provision 238	Not-Spillable Battery complies with the provisions listed in 49 CFR 173.159(d), therefore must not be marked with an identification number or hazardous label and is not subject to hazardous shipping paper requirement

**Batteries must be securely packed to short-circuiting****Section 15 – Regulatory Information**

**Regulatory Information:** Recommendations on the transport of dangerous goods-model regulations (15<sup>th</sup> revised), IATA dangerous goods regulations, International Maritime Dangerous Goods Code, U.S. Hazardous Material Regulations

**Section 16 – Additional 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 maybe applied under conditions beyond our control and with which maybe 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 result 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.