

BATTERIES, WET, FILLED WITH ACID,**ELECTRIC STORAGE****SAFETY DATA SHEET****MSDS****CHONGQING LIYANG INDUSTRY CO., LTD.**

according to GHS(fourth revised edition)

Section 1 - Product and Company Identification

Product name	BATTERIES, WET, FILLED WITH ACID, ELECTRIC STORAGE
Applicant name	CHONGQING LIYANG INDUSTRY CO., LTD.
Application address	Industry Area B, Huaxi Industry Park, Banan Dist., Chongqing, China
Applicant post code	400000
Applicant fax	+86-23-62571745
Applicant emergency number	+86-23-62571745
Manufacturer name	CHONGQING LIYANG INDUSTRY CO., LTD.
Manufacturer address	Industry Area B, Huaxi Industry Park, Banan Dist., Chongqing, China
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Manufacturer fax	+86-23-62571745
Manufacturer emergency number	+86-23-62571745
SDS number	DG1303953E
Effective date	Apr 10, 2013

Section 2 –Hazards Identification**Hazard class and label elements of the substance according to GHS(the fourth revised edition):**

Hazard class	Skin corrosion/irritation	category1
	Reproductive toxicity	category1
	Specific target organ toxicity, repeated exposure	category1
	Hazardous to the aquatic environment, long-term hazard	category1

Pictogram**Signal**

Danger

Hazard statement(s)

H314 Causes severe skin burns and eye damage
H360 May damage fertility or the unborn child
H372 Causes damage to organs through prolonged or repeated exposure
H410 Very toxic to aquatic life with long lasting effects

Precautionary statements**Prevention**

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

Response	P264 Wash thoroughly after handling.
	P270 Do not eat, drink or smoke when using this product.
	P273 Avoid release to the environment.
	P280 Wear protective gloves/protective clothing/eye protection/face protection.
	P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
	P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
	P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
	P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P308+P313 IF exposed or concerned: Get medical advice/ attention.
	P310 Immediately call a POISON CENTER/doctor.
Storage	P363 Wash contaminated clothing before reuse.
	P391 Collect spillage.
Disposal	P405 Store locked up.
	P501 Dispose of contents/container in accordance with local/regional/national/ international regulations.

Section 3 – Composition/Information on Ingredients

Component	Concentration(%)	CAS No.	EC No.
Lead	63-78%	7439-92-1	231-100-4
Sulfuric	10-30%	7664-93-9	231-639-5
Polypropylene	9.567%	9003-07-0	—
Fiber Glass Wool	1.884%	65997-17-3	266-046-0

Section 4 – First Aid Measures

After skin contact	Take off the contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.
After eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician
After ingestion	Do Not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
After inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Section 5 – Fire Fighting Measures

Hazardous products of combustion	Sulphur oxides
Extinguishing method	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special protective equipment	Wear self contained breathing apparatus for fire fighting if necessary.

Section 6 – Accidental Release Measure

Personal precautions	Use personal protective equipment. Ensure adequate ventilation. Avoid breathing vapors, mist or gas. Evacuate personnel to safe areas.
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Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.
Methods for cleaning up	Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

Section 7 – Handling and Storage

Handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage	Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section 8 – Exposure Controls, Personal Protection

Engineering Controls	Safety shower and eye bath. Mechanical exhaust required.
Respiratory protection	Use a full-face supplied air respirator.
Eye protection	Wear chemical goggles.
Hand Protection	Wear impervious chemical resistant gloves
Body protection	Protective work clothing

Section 9 – Physical and Chemical Properties

Appearance: White housing battery	Odor: No data available
Odor threshold: No data available	pH value: No data available
Melting point/freezing point(°C): No data available	Initial boiling point and boiling range(°C): No data available
Flash point(°C)(closed cup): No data available	Evaporation Rate: No data available
Flammability: No data available	Upper explosive limit%(V/V): No data available
Lower explosive limit%(V/V): No data available	Vapor pressure(MPa): No data available
Vapor density(g/mL): No data available	Relative density(g/cm³): No data available
Solubility: No data available	Octanol / water partition coefficient: No data available
Auto-ignition temperature(°C): No data available	Decomposition temperature(°C): No data available
Viscosity(m²/s): No data available	

Section 10 – Stability and Reactivity

Reactive	No data available
Chemical stability	Stable under the condition recommended.
Possibility of hazardous reactions	No data available
Avoid conditions	Heat, flames and sparks.
Incompatible materials	Bases, Halides, Organic materials, Carbides, fulminates, Nitrates, picrates, Cyanides, Chlorates, alkali
Hazardous decomposition products	No data available

Section 11 – Toxicological Information

Acute toxicity: No data available
Skin corrosion/irritation: No data available
Serious eye damage/eye irritation: No data available

Respiratory or skin sensitization: No data available.

Germ cell mutagenicity: No data available

Carcinogenicity: No data available

Reproductive toxicity: No data available

Specific target organ toxicity – single exposure: No data available

Specific target organ toxicity – repeated exposure: No data available

Aspiration hazard: No data available

Section 12 – Ecological Information

Ecotoxicity:

Lead:LC₅₀(Oncorhynchus mykiss,96h) 1.19mg/L

Biodegradability: No data available

Abiotic degradation: No data available

Bioaccumulation: No data available

Other hazards: Very toxic to aquatic life with long lasting effects

Section 13 – Disposal Considerations

Property of waste: No data available

Methods of disposal: Dispose of in a manner consistent with federal, state, and local regulations. Burning method is recommended.

Precautions of disposal: No data available.

Section 14 - Transport Information

UN number: 2794

UN proper shipping name: BATTERIES, WET, FILLED WITH ACID, electric storage

Transportation primary hazard class: 8

Transportation secondary hazard class: —

Packing group: —

Section 15 - Regulatory Information

Component	CHINA	TSCA	ENCS	EINECS
Lead	√	√	√	√
Sulfuric	√	√	√	√
Polypropylene	-	-	-	-

Note 1:

CHINA - China Inventory of Existing Chemical Substances

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

ENCS - Japan Existing and New Chemical Substances

EINECS - European Inventory of Existing Commercial Chemical Substances

Note 2:

"√" Indicates that the substance included in the regulations

"-" That no data or included in the regulations

Section 16 - Additional Information

Prepared by:	Changzhou Testing Center of Entry-Exit Industrial and Consumable Products
Completion Date:	Apr 10, 2013
Modification statement:	Original. Please update before the implementation of the GHS fifth revised edition.
Other information:	The information contained herein is prepared according to UN GHS (the fourth revised edition) and is accurate to the best of our knowledge. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages.