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检验
INSPECTION
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SAFETY DATASHEET

Product Name: LR6 AA ALKALINE BATTERY 1.5V

Effective Date: 2026-01-01

Compiler: Guo Lu

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Shanghai Institute of Chemical Industry Testing Co., Ltd.



ZHEJIANG MUSTANG BATTERY CO.,LTD

SAFETY DATA SHEET

LR6 AA ALKALINE BATTERY 1.5V

SECTION1 IDENTIFICATION

Product name: LR6 AA ALKALINE BATTERY 1.5V
 Company: ZHEJIANG MUSTANG BATTERY CO., LTD
 Address: NO. 818, Rongji Road, Luotuo, Zhenhai District, Ningbo City, Zhejiang Province, China
 E-mail: lxj@mustangbattery.com
 Fax: 86-574-86593227
 Emergency Phone: 86-57486593777
 Recommend use of the chemical and restrictions on use: /
 SDS Number: 262620101350
 Effective Date: 2026-01-01

SECTION2 HAZARDS IDENTIFICATION

The product is outside of the scope of GHS system.

Main Hazards:

Health Hazards:

The internal materials of battery are corrosive to the eyes and skin. Avoid directly inhaling and contacting with the internal materials of battery.

Environmental Hazards:

The internal materials of battery may be harmful to the environment. Pay attention to water system.

SECTION3 INFORMATION ON INGREDIENTS

Product name: LR6 AA ALKALINE BATTERY 1.5V

Ingredient	Concentration(%)	CAS NO.	EC NO.
Manganese dioxide	33-40	1313-13-9	215-202-6

iron	14-20	7439-89-6	231-096-4
zinc	13-20	7440-66-6	231-175-3
water	7-11	7732-18-5	231-791-2
Potassium hydrate	5-9	1310-58-3	215-181-3
copper	2-4	7440-50-8	231-159-6
graphite	2-3	7782-42-5	231-955-3
nylon	1-2	63428-84-2	805-352-6
PVC	1-2	9002-86-2	618-338-8

SECTION4 FIRST-AID MEASURES

Skin Exposure:

If in contact with the internal materials of battery, remove the contaminated clothing, shoes and socks, immediately flush with plenty of water for at least 20 minutes. Call a physician.

Eye Exposure:

If in contact with the internal materials of battery, lift your eyelids immediately and rinse them with running water for more than 20 minutes. Call a physician.

Inhalation Exposure:

If the internal materials of battery are inhaled, immediately remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Call a physician.

Oral Exposure:

Do not induce vomiting if the internal materials of battery are swallowed. Call a physician immediately.

Most Important Symptoms/Effects, Acute and Delayed:

No data available.

Indication of Immediate Medical Attention and Special Treatment Needed, if Necessary:

No data available.

SECTION5 FIRE FIGHTING MEASURES

Suitable Extinguishing Media:

Suitable: Dry chemical, Carbon dioxide and appropriate foam.

Specific Hazards Arising from the Chemical:

The battery may leak liquid, leak gas or explode. The leaking electrolyte may be corrosive. Under the conditions of short circuits, overcharging, over-discharging, puncture, squeezing, and exposing the battery over the maximum rated temperature specified by manufacture, the battery may burn or explode.

Special Protective Action for Fire-fighters:

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Fire-extinguishing work is done from the windward. Uninvolved persons should evacuate to a safe place.

SECTION6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Use personal protective equipment. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Entry to noninvolved personnel should be controlled around the leakage area by roping off. Remove all sources of ignition.

Environmental Precautions:

Avoid leakage getting into the earth, ditches or waters. Avoid directly releasing the washing waste-water into the environment.

Methods and Materials for Containment and Cleaning up:

If the electrolyte leaks, use dry soil, dry sand or other non-combustible materials to absorb and cover the leakage. Sweep up with spade and transfer to a dry, clean, lidded container for disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

SECTION7 HANDLING AND STORAGE

Precautions for Safe Handling:

Operators should be trained and strictly abide by operating procedures. Wear appropriate protective clothing and safety gloves. Avoid inhaling and contacting with the internal materials of battery. Handling is performed in a well ventilated place. No smoking at working site. Incompatibilities: strong oxidizing agents, corrosives. If it is not intend to do, the battery should not be short-circuited, overcharged, over-discharged, punctured and crushed. Do not expose the battery over the maximum rated temperature specified by manufacture.

Conditions for Safe Storage, Including Any Incompatibilities:

Store in a cool, dry, and well-ventilated area. Keep away from ignition sources, heat and flame. Store in a tightly closed container. Incompatibilities: strong oxidizing agents, corrosives. The battery must be firmly packed in inner packaging so as to effectively prevent short circuits and short circuits caused by movement. Storage place should be equipped with appropriate varieties and quantities of fire fighting equipment and leakage emergency treatment equipment.

SECTION8 EXPOSURE CONTROL/PPE

Control Parameteeters :

GBZ 2.1-2019 Occupational Exposure Limits for Hazardous Agents in the Workplace - Part 1:

Potassium hydrate:Potassium hydroxide MAC 2mg/m³

copper:Copper, as Cu Copper dust PC-TWA 1 mg/m³ Copper fume PC-TWA 0.2mg/m³

graphite:Graphite dust PC-TWA(Total dust) 4mg/m³ PC-TWA(Inhalable dust) 2mg/m³

PVC:Polyvinyl chloride (PVC) dust PC-TWA(Total dust) 5mg/m³

Manganese dioxide:Manganese and inorganic compounds, as MnO₂ PC-TWA 0.15 mg/m³

ACGIH:

Potassium hydrate:Potassium hydroxide TLV-CEIL 2mg/m³

copper:Copper dusts and mists TLV-TWA 1 mg/m³ Copper fume TLV-TWA 0.2mg/m³

graphite:Graphite, natural TLV-TWA 2 mg/m³, R

PVC:Polyvinyl chloride (PVC) TLV-TWA 1 mg/m³, R

Manganese dioxide: TLV-TWA 0.2 mg (Mn) /m³

Appropriate Engineering Controls:

Mechanical exhaust required. Safety shower and eye bath.

Individual Protection Measures:**Eye/Face Protection:**

Wear chemical safety glasses if needed.

Skin Protection:

Hand Protection: Wear safety gloves. Body Protection: Wear appropriate protective clothing.

Respiratory Protection:

Wear government approved respirator if needed.

Thermal Hazards:

No data available.

Other Protect:

No smoking, drinking and eating at working site. Wash thoroughly after handling.

SECTION9 PHYSICAL/CHEMICAL PROPERTIES

Appearance:	Multicolor Cylinder plastics film shell
Odor:	Odorless
pH Value:	11-12
Solubility:	partial soluble in water
Boiling Point, Initial	>300°C
Boiling Point and Boiling Range:	
Boiling Point, Initial	No data available.
Boiling Point and Boiling Range:	
Flash Point (Closed Cup):	No data available.
Density/Relative Density:	No data available.
Kinematic Viscosity:	No data available.
Lower/Upper Explosion Limit/Flammability Limit:	No data available.
Vapour Pressure:	No data available.
Relative Vapor Density:	No data available.
N-Octanol/Water (Log Value):	No data available.
Autoignition Temperature:	No data available.
Decomposition Temperature:	No data available.

Particle No data available.
Characteristics:
Flammability (Solid, No data available.
Gas):

SECTION10 STABILITY AND REACTIVITY

Reactivity:

No data available.

Chemical Stability:

Stable under normal temperatures and pressures.

Possibility of Hazardous Reactions:

No data available.

Conditions to Avoid:

Avoid exposure the battery over the maximum rated temperature specified by manufacture. Avoid charging, over-discharging, puncture, squeezing, short circuits and short circuits caused by movement.

Incompatible Materials:

Strong oxidizing agents, corrosives.

Hazardous Decomposition Products:

Carbon oxides, zinc and manganese oxides, etc.

SECTION11 TOXICOLOGICAL INFORMATIO

Acute Toxicity:

No data available.

Skin Corrosion/Irritation:

The electrolyte in the battery causes severe skin burns.

Serious Eye Damage/Irritation:

The electrolyte in the battery causes serious eye damage.

Respiratory Sensitization:

No data available.

Carcinogenicity:

No data available.

Skin Sensitization:

No data available.

Germ Cell Mutagenicity:

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.

SECTION12 ECOLOGICAL INFORMATION**Toxicity:**

No data available.

Persistence and Degradability:

No data available.

Bioaccumulative Potential:

No data available.

Mobility in Soil:

No data available.

Other Adverse Effects:

No data available.

SECTION13 DISPOSAL CONSIDERATION**Disposal Methods:**

The discarded battery is listed in "Catalogue of Hazardous Waste", Number: HW23, Category: Zinc-containing Waste.

The disposal of discarded battery shall comply with the requirements of relevant laws, regulations, policies and standards such as the "Law of the People's Republic of China on the Prevention and Control of Environmental Pollution by Solid Waste" and "Technical Policy for the Prevention and Control of Waste Battery Pollution". Contact a licensed professional waste disposal service to dispose of wastes. Used battery being transported for disposal or reclamation should be carefully checked prior to shipment to ensure the integrity of each battery and its suitability for transport.

SECTION14 TRANSPORT INFORMATION**RID/ADR(2025 Edition):**

The product is not subject to RID/ADR.

IATA DGR(67th Edition):

The product is not subject to IATA DGR according to special provision A123.

IMO IMDG CODE(2024 Edition):

The product is not subject to IMO IMDG CODE.

SECTION15 REGULATORY INFORMATION**Domestic Regulations:**

Regulations Concerning Road Transportation of Dangerous Goods(JT/T 617-2018):

The product is not subject to JT/T 617-2018.

List of Dangerous Goods(GB 12268-2025):

Not listed.

List of Dangerous Goods by Rail(TB/T 30006-2022):

The product is not listed in TB/T 30006-2022

International Regulations:**Directive (EU)2023/1542 and 2013/56/EU:**

The label, disposal and recycling of the battery shall meet the requirements of EU Directive (EU)2023/1542 and 2013/56/EU.

SECTION16 OTHER INFORMATION**Preparation Date:**

2026-01-01

Preparation Department:

Shanghai Institute of Chemical Industry Testing Co., Ltd.
Tel (Fax):+86-21-52815377/31765555

Revision:

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Abbreviations and Acronyms:

CAS: Chemical Abstracts Service EC: European Commission PC-TWA: Permissible concentration-time weighted average TLV-TWA: Threshold limit value-time weighted average MAC: Maximum allowable concentration TLV-CEIL: Threshold limit value-ceiling ACGIH: American Conference of Governmental Industrial Hygienists RID: Regulations concerning the International Carriage of Dangerous Goods by Rail ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road IATA DGR: International Air Transport Association Dangerous Goods Regulations IMO IMDG CODE: International Maritime Organization International Maritime Code for Dangerous Goods EU: European Union

Other Information:

This SDS is only compiled for battery and based on the information such as ingredients provided by the applicant and our current knowledge. This SDS shall be used only as a guide. If the battery is used as a component in another product, the information in this SDS may not be applicable. The users of this SDS must make independent judgments on the correctness and completeness and then decide its suitability according to the actual situation. The users should take the relevant legal responsibilities for the consequences of use.



END OF REPORT