

MSDS REPORT

Client unit: CHANGZHOU ANYIDA POWER
TECHNOLOGY CO.,LTD



Name of sample: Alkaline BATTERY LR6 AA AM-3 1.5V

Address: No.60 Tianshan Road, Xinbei Area, Changzhou,
China

Material Safety Data Sheet

No.MSDS2022LR6

Reviewed on Jan.1, 2022

1. Identification of substance

Product details

Product name: Alkaline Battery LR6 AA AM-3 1.5V

Manufacturer: CHANGZHOU ANYIDA POWER TECHNOLOGY CO.,LTD

Address: No.60 Tianshan Road, Xinbei Area, Changzhou, China

Producer: CHANGZHOU ANYIDA POWER TECHNOLOGY CO.,LTD

Address: No.60 Tianshan Road, Xinbei Area, Changzhou, China

Model No.: LR6

Tel: 0519-83270441

Emergency telephone: 0519-83270441

Fax: 0519-83270425

Web: www.anyida-power.com

2. Composition/Data on components

Chemical characterization:

Description : (CAS#)

Chemical Name	In % By Weight	CAS No.	Molecular Formula
Manganese Dioxide	40	1313-13-19	MnO ₂
Zinc	30	7440-66-6	Zn
Stainless Steel	20	12681-83-3	NA
Water	6	7732-18-5	H ₂ O
KOH	4	1310-58-3	KOH

3. Hazards identification

Emergency Overview: May explode in fire, which could release hydrogen fluoride gas.

Use extinguishing media suitable for materials burning in fire.

Primary routes of entry: Skin contact, Eye contact, Inhalation, Ingestion

Symptoms of exposure:

Skin contact: Contact with damaged batteries may cause burns.

Eye contact: Contact with damaged batteries may cause burns. Eye damage is

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possible.

Inhalation: Inhalation of vapors or fumes released due to heat or a large number of leaking batteries may cause respiratory and eye irritation.

Ingestion: Swallowing is not anticipated due to battery size. Ingestion of battery contents may cause mouth, throat and intestinal burns and damage.

Reported as carcinogen: Not applicable.

4. First aid measures

Inhalation

Not a health hazard.

Eye contact

Not a health hazard.

Skin contact

Not a health hazard.

Ingestion

If swallowed, obtain medical attention immediately.

IF EXPOSURE TO INTERNAL MATERIALS WITHIN CELL DUE TO DAMAGED OUTER CASING, THE FOLLOWING ACTIONS ARE RECOMMENDED;

Inhalation

Leave area immediately and seek medical attention.

Eye contact

Rinse eyes with water for 15min.

Skin contact

Wash area thoroughly with soap and water and seek medical attention.

Ingestion

Drink milk/water and induce vomiting; seek medical attention.

5. Fire fighting measures

General Hazard:

Cell is not flammable. Combustion products include, but are not limited to Hydrogen

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fluoride, carbon monoxide and carbon dioxide.

Extinguishing Media:

Use extinguishing media suitable for the materials that are burning.

Special Fire fighting Instructions:

If possible, remove cell(s) from fire fighting area, If heated above 160°C, cell(s) may explode/vent.

Fire fighting Equipment:

Use NIOSH/MSHA approved full-face self-contained breathing apparatus (SCBA) with full protective gear.

6. Accidental release measures

On land:

Place material into suitable containers and call local fire/police department.

In water:

If possible, remove from water and call local fire/police department.

7. Handling and storage

Handling: Closed operation. To supply with sufficient partial air exhaust. The operating staff must have received special training and abide by the operating regulations. It is advised that the staff wear work clothes, respirator, chemical protective glasses and gloves. Keep away from fire and heating sources. No smoking in the workplace. Avoid contacting with oxidizers and acid. Do not expose the battery to excessive physical shock or vibration. Short-circuiting should be avoided. Place the cell beyond the child's reach. Take care when transport, prevent damaging the packing and container. Equip with relevant types and quantities of extinguishment instruments and device for divulgence handling. Empty the container which may include harmful material.

Storage: Store in a cool, dry place. Keep away from fire and heating sources. Don't keep the samples with oxidizer and acid. Equip with relevant types and quantities of the extinguishment instruments. The storage place should be equipped with suitable shelter materials for divulgence handling.

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8. Exposure controls and personal protection

Engineering controls: Keep away from heat and open flame. Store in a cool dry place.

Personal Protection:

Respirator: Not required during normal operations. SCBA required in the event of a fire.

Eye/face protection: Not required safety practices of employer.

Gloves: Not required for handling of cells.

Foot protection: Steel toed shoes recommended for large container handling.

9. Physical and chemical properties:

General Information

State: Colored cylinder solid

Color: Not Applicable

Chemical properties:

Melting Point: Not Applicable

Vapor Pressure: Not Applicable

Vapor Density: Not Applicable

Solubility In Water: Insoluble

Specific Gravity (H₂O = 1): Not Applicable

pH: Not Applicable

Density: Not Applicable

Nominal Voltage(Cell/Battery/Power Bank): 1.5V

10. Stability and reactivity

Reactivity: None.

Incompatibilities: None during normal operation. Avoid exposure to heat, open flame, and corrosives.

Hazardous Decomposition Products: None during normal operating conditions. If cells are opened, hydrogen fluoride and carbon monoxide may be released.

Conditions to Avoid: Avoid exposure to heat and open flame. Do not puncture, crush

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or incinerate.

11. Toxicological information

This product does not elicit toxicological properties during routine handling and use

Sensitization: The liquid in the battery may cause sensitization to some person.

Teratogenicity: No information is available.

Reproductive toxicity: No information is available.

Acute toxicity: No information is available.

If the cells are opened through misuse or damage, discard immediately. Internal components of cell are irritants and sensitizers.

12. Ecological information

Some materials within the cell are bio-accumulative. Under normal conditions, These materials are contained and pose no risk to persons or the surrounding environment.

13. Disposal considerations

California regulated debris

RCRA Waste Code: Non-regulated

Dispose of according to all federal, state, and local regulations.

14. Transport information

In general, all batteries in all forms of transportation (by sea, land or air) must be packaged in a safe and responsible manner. Regulatory concerns from all agencies for safe packaging require that batteries be packaged in a manner that prevents short circuits and be contained in “strong outer packaging” that prevents spillage of contents.

The batteries are considered to be “Dry cell” batteries and are unregulated for purpose of transportation by the U.S. Department of Transportation (DOT), International Civil Aviation Administration (ICAO), International Air Transport Association (IATA) and International Maritime Dangerous Goods Regulations (IMDG).

The only DOT requirement for shipping these batteries is special provision

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130 which states:”Batteries, dry are not subject to the requirements of this subchapter only when they are offered for transportation in a manner that prevents the dangerous evolution of heat (for example, by the effective insulation of exposed terminals)

The substance is not subject to IATA DGR 63rd edition.

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

The substance is not subject to IMO IMDG Code.

15. Regulatory Information

Battery are not classified as dangerous goods by US Department of Transportation or the major international regulatory bodies and are therefore not regulated. SARA/TITLE III - As an article, this battery and its contents are not subject to the requirements of Emergency Planning and Community Right to Know Act.

16. Other information:

The above information are correct, but does not contain all of the information and only used as a guide. The information in this document is based on our current knowledge, it apply to this product as for the correct safety tips. The information does not guarantee the properties of this product. Our company is not responsible for any damages caused by the products.