

Report No.: 18270BC00022101

# SDS REPORT

Client Name : Shenzhen New Positive Energy Co.,Ltd

Address : No.5 building,Hetai Industrial Park,Qiaotou  
community,Fuhai street,Baoan District,Shenzhen

Product Name : AAA Alkaline Batteries

Date : Jan. 16, 2020

## Shenzhen Anbotech Compliance Laboratory Limited

**Shenzhen Anbotech Compliance Laboratory Limited**

Address: East of 4/F., Building A, Hourui No.3 Industrial Zone, Xixiang Street, Bao'an District,  
Shenzhen, Guangdong, China  
Tel:(86)755-26066126 Fax:(86)755-26066021 Email:service@anbotech.com

Code: AB-BAT-19-b



Hotline  
400-003-0500  
www.anbotech.com

## SAFETY DATA SHEET

**According to HCS-2012 APPENDIX D TO §1910.1200 (Version: 1.0/EN)**

### 1. Identification

Sample name: AAA Alkaline Batteries  
Battery model: LR03/ AAA  
Rating: Nominal Voltage: 1.5V  
Rated Capacity: 1200mAh  
Weight: 11.69g  
Manufacturer: Shenzhen New Positive Energy Co.,Ltd  
Address: No.5 building,Hetai Industrial Park,Qiaotou community,Fuhai street,Baoan District,Shenzhen  
Factory: Shenzhen New Positive Energy Co.,Ltd  
Address: No.5 building,Hetai Industrial Park,Qiaotou community,Fuhai street,Baoan District,Shenzhen  
Telephone no: 0755-33819330  
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Date of received: Jan. 15, 2020  
Date of report: Jan. 16, 2020



Written by: **Famie Zhu**

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## 2. Hazard(s) identification

### Classification

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200) This product is an article which is a sealed battery and as such does not require an MSDS per the OSHA hazard communication standard unless ruptured. The hazards indicated are for a ruptured battery.

|                                                    |            |
|----------------------------------------------------|------------|
| Skin corrosion/irritation                          | Category 2 |
| Serious eye damage/eye irritation                  | Category 2 |
| Skin sensitization                                 | Category 1 |
| Carcinogenicity                                    | Category 2 |
| Specific target organ toxicity (repeated exposure) | Category 1 |

### GHS Label elements, including precautionary statements

#### Emergency Overview

|                                                                                                                                                                                                                                                                                       |                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| <b>Signal word</b>                                                                                                                                                                                                                                                                    | <b>Danger</b>                                 |
| <b>Hazard Statements</b>                                                                                                                                                                                                                                                              |                                               |
| Causes skin irritation                                                                                                                                                                                                                                                                |                                               |
| Causes serious eye irritation                                                                                                                                                                                                                                                         |                                               |
| May cause an allergic skin reaction                                                                                                                                                                                                                                                   |                                               |
| Suspected of causing cancer                                                                                                                                                                                                                                                           |                                               |
| Causes damage to organs through prolonged or repeated exposures                                                                                                                                                                                                                       |                                               |
|                                                                                                                                                                                                    |                                               |
| This product is an article which contains a chemical substance. Safety information is given for exposure to the article as sold. Intended use of the product should not result in exposure to the chemical substance. This is a battery. In case of rupture: the above hazards exist. |                                               |
| <b>Appearance</b> Silver                                                                                                                                                                                                                                                              | <b>Physical State</b> Solid containing liquid |
| <b>Odor</b> None                                                                                                                                                                                                                                                                      |                                               |

### Precautionary Statements - Prevention

Obtain special instructions before use  
Do not handle until all safety precautions have been read and understood  
Use personal protective equipment as required  
Wash face, hands and any exposed skin thoroughly after handling  
Contaminated work clothing should not be allowed out of the workplace  
Wear protective gloves  
Do not breathe dust/fume/gas/mist/vapors/spray  
Do not eat, drink or smoke when using this product  
Wear eye/face protection

### Precautionary Statements - Response

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IF exposed or concerned: Get medical advice/attention  
Specific treatment (see supplemental first aid instructions on this label)

**Eyes**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
If eye irritation persists: Get medical advice/attention

**Skin**

IF ON SKIN: Wash with plenty of soap and water  
Take off contaminated clothing and wash before reuse  
If skin irritation or rash occurs: Get medical advice/attention

**Precautionary Statements - Storage**

Store locked up

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

Not applicable

**Unknown Toxicity**

37.3% of the mixture consists of ingredient(s) of unknown toxicity

**Other information**

Very toxic to aquatic life with long lasting effects  
Repeated or prolonged skin contact may cause allergic reactions with susceptible persons

**Interactions with Other Chemicals**

No information available.

**3. Composition/Information on Ingredients**

| Chemical Name       | Percent of Content | CAS No.    |
|---------------------|--------------------|------------|
| Zinc                | 28%                | 7440-66-6  |
| Carbon black        | 8%                 | 1333-86-4  |
| Manganese Dioxide   | 22%                | 1313-13-9  |
| Potassium hydroxide | 4%                 | 1310-58-3  |
| Iron                | 20%                | 7439-89- 6 |
| Water               | 18%                | 7732-18-5  |

**4. First-Aid Measures**

**Ingestion:** Do not induce vomiting or give food or drink. Seek medical attention

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immediately. Call National Battery Ingestion Hotline for advice.

**Inhalation:** Provide fresh air and seek medical attention.

**Skin Contact:** Remove contaminated clothing and wash skin with soap and water. If a chemical burn occurs or if irritation persists, seek medical attention.

**Eye Contact:** Immediately flush eyes thoroughly with water for at least 15 minutes, lifting upper and lower lids, until no evidence of the chemical remains. Seek medical attention.

## 5. Fire-Fighting Measures

In case of fire, it is permissible to use any class of extinguishing medium on these batteries or their packing material. Cool exterior of batteries if exposed to fire to prevent rupture.

Fire fighters should wear self-contained breathing apparatus.

## 6. Accidental Release Measures

**To cleanup leaking batteries:**

**Ventilation Requirements:** Room ventilation may be required in areas where there are open or leaking batteries.

**Eye Protection:** Wear safety glasses with side shields if handling an open or leaking battery.

**Gloves:** Use neoprene or natural rubber gloves if handling an open or leaking battery. Battery materials should be collected in a leak-proof container.

## 7. Handling and Storage

**Storage:** Store in a cool, well ventilated area. Elevated temperatures can result in shortened battery life.

**Mechanical Containment:** If potting or sealing the battery in an airtight or watertight container is required, consult your New Leader Battery Limited representative for precautionary suggestions. Batteries normally evolve hydrogen which, when combined with oxygen from the air can produce a combustible or explosive mixture unless vented. If such a mixture is present, short circuits, high temperature, or static sparks can cause an ignition.

Do not obstruct safety release vents on batteries, Encapsulation(potting) of batteries will not allow cell venting and can cause high pressure rupture.

**Handling:** Accidental short circuit for a few seconds will not seriously affect the battery. Prolonged short circuit will cause the battery to lose energy, and can cause the safety release vent to open. Sources of short circuits include jumbled batteries in bulk containers, metal jewelry, metal covered tables or metal belts used for



assembly of batteries into devices.

**Charging:** This battery is manufactured in a charged state. Its is not designed for recharging. Recharging can cause battery leakage or in some case, high pressure rupture. Inadvertent charging can occur if a battery is installed backwards.

## 8. Handling and Storage

|                                  |                             |
|----------------------------------|-----------------------------|
| <b>Ventilation Requirements:</b> | N/A                         |
| <b>Respiratory Protection :</b>  | N/A                         |
| <b>Eyes Protection :</b>         | N/A                         |
| <b>Gloves :</b>                  | N/A under normal conditions |

## 9. Physical and Chemical Properties

|                            |                              |
|----------------------------|------------------------------|
| (a) Boiling Point          | Not available.               |
| (b) pH                     | Not available.               |
| (c) Melting Point          | Not available.               |
| (d) Vapor Pressure (mm Hg) | Not available Vapor.         |
| (e) Density (AIR = 1)      | Not available Evaporation.   |
| (f) Rate (Buty1 Acetate)   | Not available Solubility in. |
| (g) Water                  | Not applicable.              |
| (h) Appearance and Odor    | Not applicable.              |

## 10. Stability and Reactivity

### Stability:

Unstable Conditions to Avoid.

Hazardous Decomposition or Byproducts.

The Alkaline Battery do not meet any of the criteria established in 40 CFR 261.2 of reactivity.

## 11. Toxicological Information

**Manganese Dioxide:** Harmful by inhalation or ingestion. Long term exposure to manganese compounds may reduce fertility in men.

**Toxicity data:** ORL-RAT LD50 > 3478 mg/kg

**Zinc:** May be harmful if swallowed or inhaled. May act as an irritant.

## 12. Ecological Information

**Environmental Precautions:** This product may be non-hazardous in ordinary use and may be discarded in accordance with applicable governmental regulations and take order with the demands of the environmental protection section.

**Environmental Toxicity:** On the basis of available information, this material is not expected to produce any significant adverse environmental effects when recommended use instructions are followed.

### 13. Disposal Considerations

Individual consumers may dispose of spent (used) batteries with household trash. This product does not recommend that spent batteries be accumulated (quantities of five gallons or more should be disposed of in a secure landfill), in accordance with Federal, State or Local Laws and Regulations. Do not incinerate, since batteries may explode at excessive temperature.

### 14. Transport Information

The Batteries in all forms of transportation (e.g. Truck, air, or sea) 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 Carton / Packaging) that prevents spillage of contents. Alkaline Battery (sometime referred to as "Dry Cell" are not listed as dangerous goods under the ADR European Agreement Concerning the International Carriage of Dangerous Goods by Road, The IMDG International Maritime Dangerous Goods Code, UN Dangerous Good Regulations, (2020 IATA Dangerous Goods Regulations 61st Edition), ICAO Technical Instructions and the U.S. hazardous materials regulations (49 CFR). These batteries are not subject to the dangerous goods regulations provided they meet the requirement contained in the following special provisions.

| Regulatory Parties | Special Provisions |
|--------------------|--------------------|
| ADR                | Not Regulated      |
| IMDG               | inc Amdt 39-18     |
| UN, ICAO           | Not Regulated      |

All Alkaline Batteries are packed in such a way to prevent short circuits or the generation dangerous quantities of heat and meet the special provisions listed above. In addition, The IATA Dangerous Goods Regulations ICAO Technical Instructions require the words "Not Restricted" and the Special Provision No: A123 be provided on the air waybill, when an air waybill is issued.

### 15. Regulatory Information

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**OSHA hazard communication standard (29 CFR 1910.1200)**           **Hazardous**      V      **Non-hazardous****16. Other Information****(a) Preparation and revision information**

Date of previous revision: Not applicable.

Date of this revision: 2020-01-01

Revision summary: The first New SDS

**(b) Abbreviations and acronyms**

TSCA: Toxic Substances Control Act, the American chemical inventory.

DSL: Domestic Substances List

EINECS: European Inventory of Existing Commercial chemical Substances

ENCS: Japanese Existing and New Chemical Substances

ECL: Existing Chemicals List, the Korean chemical inventory

IECSC: Inventory of existing chemical substances in China.

**(c) Disclaimer**

Because all of our batteries are defined as "articles", they are exempted from the requirements of the Hazard Communication Standard. The information in this SDS is provided all the relevant data fully and truly. However, the information is provided without any warranty on their absolute extensiveness and accuracy. This SDS was prepared to provide safety preventive measures for the users who have got professional training. The personal user who obtained this SDS should make independent judgment for the applicability of this SDS under special conditions. In these special cases, we do not assume responsibility for the damage.

-- End of report --

