

## Ningbo Baowang Battery Company, Ltd.

"Power" brand Alkaline battery, size D, C, AA, AAA, 9V.



### SECTION 1 : Chemical Product and Company Identification

**MSDS Name:** "Power" brand Alkaline battery, size D, C, AA, AAA, 9V.

**Manufacturer Name:** Ningbo Baowang Battery Company, Ltd.

**Address:**

No. 18, Science & technology zone,  
Ninghai, Zhejiang.  
P. R CHINA. 315600.

**Trade Names:**

ALKALINE BATTERY

**Distributor Name:** Ningbo Baowang Battery Company, Ltd.

**Distributor Address:**

No. 18, Science & technology zone,  
Ninghai, Zhejiang.  
P. R CHINA. 315600.

SAFETY DATA SHEET

A GUIDE TO THE HANDLING OF BW POWER BATTERY

INTRODUCTION:

The Material Safety Data Sheet(MSDS) outlines the precautions which should be taken in the handling of the dry battery products.



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### SECTION 2 : Hazardous Ingredients/Identity Information

Chemical Name			
MnO <sub>2</sub>			

Item (%):

AA: 36.9

AAA: 33.0

C: 38.4

D: 42.0

9V: 25.0

Chemical Name			
Carbon			

Item (%):

AA: 3.1

AAA: 3.3

C: 3.2

D: 3.5

9V: 2.1

Chemical Name			
Zinc			

Item (%):

AA: 17.0

AAA: 14.4

C: 17.6

D: 17.8

9V: 9.8

Chemical Name			
KOH			

Item (%):

AA: 7.0

AAA: 6.0

C: 6.2

D: 6.1

9V: 3.6

Chemical Name			
H <sub>2</sub> O			

Item (%):  
AA: 9.8  
AAA: 8.7  
C: 9.6  
D: 10.9  
9V: 5.3

Chemical Name			
Hg			

Item (%):  
AA: ~0.0001  
AAA: ~0.0001  
C: ~0.0001  
D: ~0.0001  
9V: ~0.0001

Chemical Name			
Others			

Item (%):  
AA: 26.2  
AAA: 34.6  
C: 25.0  
D: 19.7  
9V: 54.2

Weight % listed is based on approximate percent of total weight of the battery. The components in this section may only represent a hazard if the integrity of the battery is compromised.



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### SECTION 3 : Physical And Chemical Characteristics



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### SECTION 4 : Fire And Explosion Hazards

#### Fire Fighting Instructions:

Fire or high temperatures may cause battery to vent and/or explode or leak hazardous vapors. Damaged or opened batteries can result in rapid heating and the release of hazardous vapors.

#### Unusual Fire Hazards:

Fire or high temperatures may cause battery to vent and/or explode or leak hazardous vapors. Damaged or opened batteries can result in rapid heating and the release of hazardous vapors.



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### SECTION 5 : Health Hazards



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### SECTION 6 : Emergency And First Aid Procedures

#### Eye Contact:

In case of contact with battery contents (liquid or metal), immediately flush with plenty of water for at least 15 minutes. Get medical attention immediately.

#### Skin Contact:

In case of contact with battery contents (liquid or metal), immediately remove metal fragments and flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash contaminated clothing before reuse. Destroy or thoroughly clean contaminated shoes. Get medical attention immediately.

#### Inhalation:

If vapors or fumes from vented or leaking battery are irritating to respiratory tract, move to fresh air. Treat symptomatically. Get medical attention if symptoms persist.

#### Ingestion:

Call a physician or poison control center immediately for any actual or suspected ingestion. All batteries may be harmful if swallowed. Do NOT induce vomiting. Batteries may lodge in the throat or digestive tract and fragment. If battery was leaking or was chewed, rinse mouth thoroughly with water.

Note: The routine handling and use of intact, non-damaged batteries is not expected to result in situations that require first-aid measures. If battery is damaged due to opening, cutting, crushing, overheating, improper installation, exposure to fire or high temperatures, or recharging, battery contents may be released.

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## SECTION 7 : Reactivity Data

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## SECTION 8 : Precautions For Safe Handling

### 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.

### Storage:

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

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

**LABELING:** If battery label of package warning are not visible, it is important to provide a package and/or device label stating.

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## SECTION 9 : Control Measures

### Ventilation System:

Not necessary under normal conditions.

### Hand Protection Description:

**GLOVES:** Not necessary under normal conditions. Use neoprene or natural rubber gloves if handling an open or leaking battery.

### Eye/Face Protection:

Not necessary under normal conditions.

### Respiratory Protection:

Not necessary under normal conditions.

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## SECTION 10 : Other Information

### Disclaimer:

The information contained in this leaflet is to the best of our knowledge true and accurate. However, since the conditions under which our products may be used are beyond our control, recommendations are made without warranty or guarantee. This statement does not affect the statutory right of customer.

The information contained herein is furnished without warranty of any kind. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers and the protection of the environment.

### OTHER INFORMATION:

Keep out of reach of children. If swallowed, seek medical advice.