

MATERIAL SAFETY DATA SHEET



1: Identification of the Substance/Preparation & the Company

1.1 GHS Product Identifier

Product Name: DRY BATTERY

1.2 Other Means of Identification

Product Code(s): R03P-AAA, R6P-AA, R14P-C, R20P-D, 6F22-9V, 3R12-4.5V

1.3 Supplier's Details

Distributor Address

Wuxi Noran Battery Co., Ltd
10 Yanyu Middle Road, Tuotangbang Village, Qian zhou Town
Wuxi City, Jiangsu Province
Phone: +86-510-83381858

1.4 Emergency Telephone Number

CHEM TEL: 800-255-3924

2: Hazards Identification

2.1 Most Important Hazards

The product is not classified as dangerous in accordance with Regulation (EC) 1272/2008, Regulation (EC) 453/2010 and Regulation (EC) 1907/2006 (REACH) Annex II.

2.2 Environmental Properties

Not Hazardous.

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3: Composition/Information on Ingredients

Substance Name	CAS #	EC #	Weight %
Manganese Dioxide	1313-13-9	215-202-6	48
Zinc Can	7440-66-6	231-175-3	35
Carbon Rod	7440-44-0	231-153-3	6.7
Coated Paper	--	--	1.3
Label	--	--	1.2
Copper Cap	--	--	3
Gasket Ring	--	--	4.8

4: First Aid Measures

4.1 First Aid Procedures

- Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention for any breathing difficulty.
- Skin Contact:** Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Get medical aid if irritation develops or persists. Wash clothing before reuse.
- Eye Contact:** Flush eyes with plenty of water or normal saline for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.
- Ingestion:** Give several glasses of water to drink to dilute. If large amounts were swallowed, get medical advice.
- Additional Advice:** Never give anything by mouth to an unconscious person. Show this safety data sheet to the doctor in attendance. Treat symptomatically.

5: Fire-Fighting Measures

5.1 Suitable Extinguishing Media

Dry chemical powder, sandy soil. Avoid using water and carbon dioxide.

5.2 Specific Hazards

No information available.

5.3 Special Protective Equipment for Firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

6: Accidental Release Measures

6.1 Personal Precaution and Protective Equipment

- Wear personal protective equipment.
- Ensure adequate ventilation.
- Avoid contact with skin, eyes, and clothing.

6.2 Environmental Precaution Methods for Cleaning Up

- Do not flush into surface water.
- Soak up with inert absorbent material.
- Sweep up and shovel into suitable containers for disposal.

7: Handling and Storage

7.1 Storage

- Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

7.2 Handling

- Use only in a well-ventilated area.
- Avoid contact with skin and eyes.
- Avoid ingestion and inhalation.

7.3 Packaging Material

- Keep in properly labeled containers.

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8: Exposure Controls/Personal Protection

8.1 Personal Protective Equipment

Respiratory Protection:	Use an approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.
Hand Protection:	Wear appropriate protective gloves to prevent skin exposure.
Eye Protection:	Wear appropriate protective eyeglasses or chemical safety goggles.
Hygiene Measures:	Use only in area provided with appropriate exhaust ventilation. Handle in accordance with good industrial hygiene and safety practice.
Environmental Exposure Controls:	No information available.

9: Physical/Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Appearance:	Battery
Color:	Coloring
Odor:	Odorless

Property	Values
pH	No Data Available
Boiling Point/Range	No Data Available
Melting Point/Range	No Data Available
Flash Point	No Data Available
Evaporation Rate	No Data Available
Vapor Density	No Data Available
Solubility in Other Solvents	No Data Available
Explosive Properties	No Data Available
Oxidizing Properties	No Data Available
Vapor Pressure	No Data Available
Relative Density	No Data Available
Flammable Properties	No Data Available
Viscosity	No Data Available
Partition Coefficient (n-octanol/water)	No Data Available

10: Stability and Reactivity

10.1 Stability

Stable at normal conditions.

10.2 Hazardous Decomposition Products

No information available.

10.3 Materials to Avoid

Oxidizing agents, strong acids.

10.4 Conditions to Avoid

Heat, damp air, flames, and sparks.

11: Toxicological Information

- Acute Toxicity:** Silicone (CAS No. 7440-21-3) Oral, rat: LD50 = 3160 mg/kg
Manganese (CAS No. 7439-96-5) Oral, rat: LD50 = 9000 mg/kg
Molybdenum (CAS No. 7439-98-7) Oral, rat: LD50 = 6.1 mg/kg, N02
- Inhalation:** May cause irritation to the respiratory tract.
- Skin Contact:** Dust may cause irritation.
- Eye Contact:** Dust may cause irritation.
- Ingestion:** May cause irritation of the digestive tract.
- Chronic Toxicity:** No data available.

12: Ecological Information

12.1 Bioaccumulation

No data available.

12.2 Ecotoxicity Effects

No data available.

13: Disposal Considerations

13.1 Waste from Residues

Dispose of in accordance with local regulations.

14: Transportation Information

ADR/RID:	Not classified as dangerous for conveyance in the meaning of the Carriage of Dangerous Goods by Road and Rail.
IMDG:	Not classified as dangerous in the meaning of transport regulations.
ICAO/IATA:	Not classified as dangerous in the meaning of transport regulations.

15: Regulatory Information

Labeling:	The product is not classified as dangerous in accordance with Regulation (EC) 1272/2008, Regulation (EC) 453/2010 and Regulation (EC) 1907/2006 (REACH) Annex II.
Symbol(s):	No data available.
R-Phrases:	No data available.
S-Phrases:	No data available.

16: Other Information

16.1 Sources of Key Data Used to Compile the Data Sheet

European Chemicals Bureau

The contents and format of this MSDS are in accordance with Regulation (EC) 1272/2008, Regulation (EC) 453/2010 and Regulation (EC) 1907/2006 (REACH) Annex II.

16.2 Disclaimer of Liability

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