

MATERIAL SAFETY DATA SHEET

Premium 800

SECTION 1

INFORMATION ON INGREDIENTS

Product name: 4R25 zinc Manganese Dioxide Dry Cell Battery

Ingredients	Concentration	CAS No.	EC No.
Manganese Dioxide	/	1313-13-9	215-202-6
Acetylene Black	/	1333-86-4	215-609-9
Zinc	/	1440-66-6	231-175-3

SECTION 2

HAZARDS IDENTIFICATION

Hazards Identification :

This substance is considered to be non-hazards for transport.

Emergency Overview :

Avoid contact and inhalation of the internal materials.

Emit toxic fumes under fire conditions.

SECTION 3

FIRST-AID MEASURES

Skin Exposure : If the internal battery materials of an opened battery cell come into contact with the skin immediately flush with plenty of water.

Eye Exposure : In case of contact with eyes , flush with copious of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers.

Cell a physician.

Inhalation Exposure : If potential for exposure to nickel fumes or dusts occurs, remove immediately to fresh air and seek medical attention.

Oral Exposure : If swallowed, do not induce vomiting.

Seek immediate medical attention.

SECTION 4

FIRE FIGHTING MEASURES

Extinguishing Media:

Suitable : Dry chemical, carbon dioxide and appropriate foam.

Firefighting:

Protective Equipment:

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

Specific hazards: Emit toxic fumes under fire conditions.

SECTION 5

ACCIDENTAL RELEASE MEASURES

Procedures of Personal Precautions :

Exercise appropriate precautions to minimize direct contact with skin and eyes.

Methods for cleaning up :

Sweep up with spade, place into a dry, clean, lidded container for disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.

SECTION 6

HANDLING AND STORAGE

Handling

Wear appropriate protective clothing and safety gloves. Avoid contact and inhalation the internal materials. Keep away from ignition sources , heat and flame.

Incompatibilities : strong oxidizing agents , corrosives and foods.

Such batteries must be packed in inner packaging in such a manner as to effectively prevent short circuits and to prevent movement which could lead to short circuits.

No smoking at working site.

Storage:

Store in a cool , well-ventilated area.

Keep away from ignition sources, heat and flame.

Store in a tight closed container.

Incompatibilities : strong oxidizing agents, corrosives and foods.

SECTION 7

EXPOSURE CONTROL/PPE

Engineering Controls : Use ventilation equipment if available.

Personal Protective Equipment

Clothing : Wear appropriate protective clothing.

Hand : Safety gloves.

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

SECTION 8

PHSICAL/CHEMICAL PROPERTIES

Appearance : Black plastic cement shell, odorless

Odor : Odorless

pH : 8 ~ 9 **Melting Point** : > 300°C

Solubility : Partial soluble in water

SECTION 9

STABILITY AND REACTIVITY

Stability : Stable under normal temperatures and pressures.

Materials to Avoid : Strong oxidizing agents , corrosives.

Condition to Avoid : Avoid exposure to heat and open flame.

Do not puncture, crush or incinerate.

Prevent short circuits. Prevent movement which could lead to short circuits.

Do not attempt to recharge this battery.