

# Material Safety Data Sheet (MSDS)

Button Cell Batteries: #00259, #00260, #00264, and #00265

## Section 1: Identification of Product

Trade Name: 30PC BUTTON CELL BATTERIES, 40PC BUTTON CELL BATTERIES, 9PC 3V LITHIUM COIN BATTERIES, 9PC 3V LITHIUM CR2032 BATTERY

This MSDS is specifically for the batteries included in these items.

Supplier: JMK-IIT Inc., 8811 S 77<sup>th</sup> Ave. Bridgeview, IL 60455.  
Emergency Phone: 800-597-6000

Date Prepared: 09/16/10

## Section 2: Composition

Manganese Dioxide (NAS 1313-13-0), Zinc (NAS 7440-66-6), Potassium Hydroxide (NAS 1310-58-3),  
Natural Graphite (NAS 7782-42-5)

## Section 3: Physical Characteristics

Appearance: Small disc  
Odor: None

## Section 4: Fire and Explosion Hazard Data

Extinguishing Media: None needed, use correct methods for surrounding fire  
Fire Fighting Instructions and Equipment: Cool the exterior of the battery to prevent rupture.

## Section 5: Reactivity Data

Chemical Stability: Stable  
Incompatibility: Strong oxidizing agents  
Hazardous Decomposition: High heat may produce hazardous fumes of zinc and manganese; flammable hydrogen gas, and caustic vapors of potassium hydroxide; and other toxic by-products.  
Hazardous Polymerization: Will not occur

## Section 6: Health Hazard Data

Chemicals and metals are contained in a sealed can. Exposure only possible due to leaks caused by high temperature or mechanical, physical, or electrical abuse. Contains no more than 2ml concentrated potassium hydroxide.

FIRST AID BELOW INTENDED FOR CONTACT WITH ABUNDANCE OF LEAKING BATTERIES

First aid for eyes: Rinse immediately for at least 15 minutes, lifting upper and lower lids until no evidence of chemicals remain. Seek immediate medical attention.

First aid for skin contact: Remove contaminated clothing. Wash skin with soap and warm water. If irritation persists or a chemical burn occurs, seek medical attention.

First aid for ingestion: If a battery or open cell is ingested, do not induce vomiting or give food or drink. Call the 24 hour NATIONAL BATTERY INGESTION HOTLINE at 202-625-333. Seek medical attention immediately.

First aid for inhalation: Move to well ventilated, non-contaminated area and seek medical advice.

## **Section 7: Precautions for Safe Handling and Use**

Storage: Store in a cool, well-ventilated area. Do not store in air-tight containers.

Handling: Do not store where accidental short circuit can occur, that is with other batteries mixed in an unorganized, jumbled fashion, or with loose metal articles.

## **Section 8: Control Measures**

Respiratory Protection: None needed under normal conditions.

Ventilation: None needed under normal conditions.

Protective Clothing: None needed under normal conditions.

Eye Protection: None needed under normal conditions.

Other Protective: None needed under normal conditions.

When handling a leaking battery, wear safety glasses, and neoprene or natural rubber gloves.

## **Section 9: Special Precautions**

Precautions to Be Taken in Handling and Storage: Do not store fire or heat sources. Do not install batteries backwards. Keep away from children.

## **Section 10: Transportation Information**

Not Regulated by DOT.

## **Section 11: Regulatory Status**

TSCA Inventory Status: This product is not on the TSCA inventory.