

Material Safety Data Sheet

May be used to comply with
OSHA's Hazard Communication Standard,
29 CFR 1910.1200. Standard must be
consulted for specific requirements.

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

201-731-1



IDENTITY (As Used on Label and LHM)

→ **ALKALINE MANGANESE BUTTON CELL BATTERY**

Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name

→ **CHUNG PAK BATTERY WORKS LTD.**

Address (Number, Street, City, State, and ZIP Code)

6, 7/F CHUNG PAK COMMERCIAL BLDG, 2 CHO

YUEN STREET, YAU TONG BAY,

KOWLOON, H.K.

Emergency Telephone Number

Telephone Number for Information

852 2772 6900

Date Prepared

3 MAY 97

Signature of Preparer (optional)

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specify Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
MERCURY (Hg)				0.248
LEAD (Pb)				0.0037%
CADMIUM (Cd)				0.0004%

Section III — Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H ₂ O = 1)	N/A
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water	N/A		
Appearance and Odor	N/A		

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
NON FLAMMABLE	N/A		
Extinguishing Media			
DRY CHEMICAL, FOAM, WATER, CARBON DIOXIDE			
Special Fire Fighting Procedures			
NONE			

Unusual Fire and Explosion Hazards

NO UNUSUAL FIRE OCCURS, BUT MAY EXPLODE IF IGNITED.

Section V — Reactivity Data

Stability	Unstable		Conditions to Avoid NONE
	Stable	✓	

Incompatibility (Materials to Avoid)
NONE

Hazardous Decomposition or Byproducts
NONE

Hazardous Polymerization	May Occur		Conditions to Avoid NONE
	Will Not Occur	✓	

Section VI — Health Hazard Data

Route(s) of Entry: Inhalation? Skin? Ingestion?

Health Hazards (Acute and Chronic)

NOT APPLICABLE FOR FINISHED PRODUCTS USED IN NORMAL CONDITIONS.

Carcinogenicity: NTP? IARC Monographs? OSHA Regulated?

Signs and Symptoms of Exposure

Medical Conditions Generally Aggravated by Exposure

Emergency and First Aid Procedures
NONE

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled

IF CONTACT IS MADE WITH THE ELECTROLYTE(alkaline) IMMEDIATELY FLUSH AFFECTED AREA WITH COOL WATER. IF CONTACT IS MADE WITH THE EYES, IMMEDIATELY FLUSH AFFECTED AREA WITH WATER AND CONTACT A PHYSICIAN.

Waste Disposal Method

DISPOSE IN ACCORDANCE WITH FEDERAL STATE AND LOCAL REGULATIONS. DO NOT INCINERATE.

Precautions to Be Taken in Handling and Storing

DO NOT MAKE CELL SHORTED.

Other Precautions

DO NOT DISASSEMBLE AND PUT INTO FIRE

Section VIII — Control Measures NOT APPLICABLE FOR FINISHED PRODUCTS.

Respiratory Protection (Specify Type)

Ventilation	Local Exhaust	Special
	Mechanical (General)	Other

Protective Gloves Eye Protection

Other Protective Clothing or Equipment

Work Hygienic Practices