

GPI INTERNATIONAL LTD -- MISCELLANEOUS CELLS (BATTERY, NONRECHARGEABLE) --  
6135-01-268-2151

=====  
===== Product Identification =====

Product ID:MISCELLANEOUS CELLS (BATTERY, NONRECHARGEABLE)

MSDS Date:10/09/1992

FSC:6135

NIIN:01-268-2151

Status Code:A

MSDS Number: CKRZD

=== Responsible Party ===

Company Name:GPI INTERNATIONAL LTD

Address:30-34 KWSI WING ROAD

City:KWSI CHUNG, N.T. HONG KONG

Emergency Ph

one Num:619-438-2202

CAGE:S5945

=== Contractor Identification ===

Company Name:GP BATTERIES /USA/INC

Address:2772 LOKER AVE W

Box:City:CARLSBAD

State:CA

ZIP:92008

Country:US

Phone:619-438-2202

CAGE:0REV0

Company Name:GPI INTERNATIONAL LTD

Address:30-34 KWSI WING ROAD

Box:City:KWSI CHUNG, N.T. HONG KONG

CAGE:S5945

=====  
===== Composition/Information on Ingredients =====

Ingred Name:MANGANESE DIOXIDE

CAS:1313-13-9

RTECS #:OP0350000

Minimum % Wt:20.6

Maxumum % Wt:22.3

OSHA PEL:C5 MG/M

ACGIH TLV:5 MG/M3

Ingred Name:MERCURY

CAS:7439-97-6

RTECS #:OV4550000

Minumum % Wt:.44

Maxumum % Wt:.48

OSHA PEL:SEE TABLE Z-2

ACGIH TLV:0.025 MG/M3

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:ZINC

CAS:7440-66-6

RTECS #:ZG8600000

Minumum % Wt:6.8

Maxumum % Wt:7.5

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:SODIUM HYDROXIDE AND POTASSIUM HYDROXIDE MIXTURE, 30-35%  
SOLUTION

Minumum % Wt:7.4

Maxumum % Wt:7.6

===== Hazards Identification =====

LD50 LC50 Mixture:NO DATA PROVIDED BY RESPONSIBLE PARTY.

Routes of Entry: Inhalation:NO Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:NONE.

Explanation of Carcinogenicity:NO DATA PROVIDED BY RESPONSIBLE PARTY.

Effects of Overexposure:NONE.

Medical Cond Aggravated by Exposure:NO DATA PROVIDED BY RESPONSIBLE  
PARTY.

===== First Aid Measures =====

First Aid:IN THE EVENT THAT ELECTROLYTE GETS ON

THE SKIN. WASH WITH  
WATER.

===== Accidental Release Measures =====

Spill Release Procedures:USE NEOPRENE, RUBBER, LATEX-NITRITE GLOVES  
WHEN HANDLING LEAKING BATTERY. IF LIQUID FROM LEAKING BATTERY COMES  
IN CONTACT WITH THE SKIN, REMOVE IMMEDIATELY WITH WATER. FOR EYE  
CONTACT, FLUSH WITH COPI OUS AMOUNTS OF WATER FOR FIFTEEN MINUTES  
AND SEE A PHYSICIAN.

Neutralizing Agent:NO DATA PROVIDED BY RESPONSIBLE PARTY. DLA-HMIS:  
DILUTE ACID IF ELECTROL  
YTE LEAKS.

===== Handling and Storage =====

Handling and Storage Precautions:THE BATTERY IS EXTREMELY SENSITIVE TO  
THE ADVERSE EFFECTS OF HUMIDITY. STORE IN DRY PLACE AND SUBJECT TO  
LITTLE TEMPERATURE CHANGE. DO NOT PLACE NEAR BOILER OR RADIATOR, OR  
EXPOSE TO DIRECT SUNLIGHT.

Other Precautions:NO DATA PROVIDED BY RESPONSIBLE PARTY.

===== Exposure Controls/Personal Protection =====

Work Hygienic Practices:NO DATA PROVIDED BY RES  
PONSIBLE PARTY.

Supplemental Safety and Health  
NO DATA PROVIDED BY RESPONSIBLE PARTY.

===== Physical/Chemical Properties =====

HCC:Z7

Appearance and Odor:BUTTON/CYLINDRICAL SHAPE, ODORLESS.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

Stability Condition to Avoid:DO NOT CHARGE THE BATTERY, SHORT CIRCUIT  
THE BATTERY, PUT IN BACKWARDS, DISASSEMBLE THE BATTERY. HANDLING IN  
SUCH A MANNER CAN CAU

SE THE BATTERY TO EXPLODE, LEAK & CAUSE INJURY.

Hazardous Decomposition Products:NO DATA PROVIDED BY RESPONSIBLE PARTY.  
Conditions to Avoid Polymerization:WILL NOT OCCUR

===== Toxicological Information =====

Toxicological Information:NO DATA PROVIDED BY RESPONSIBLE PARTY.

===== Ecological Information =====

Ecological:NO DATA PROVIDED BY RESPONSIBLE PARTY.

===== Disposal Considerations =====

Waste Disposal Methods:NO DATA PROVIDED BY RESPONSIBLE PARTY.

===== MSDS Transport Information =====

Transport Information:NO DATA PROVIDED BY RESPONSIBLE PARTY.

===== Regulatory Information =====

SARA Title III Information:NO DATA PROVIDED BY RESPONSIBLE PARTY.  
Federal Regulatory Information:NO DATA PROVIDED BY RESPONSIBLE PARTY.  
State Regulatory Information:NO DATA PROVIDED BY RESPONSIBLE PARTY.

===== Other Information =====

Disclaimer (provided with this information by the compiling agencies):  
This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.