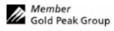
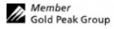


Document Number	er: MA	A100		Revision:11	Page 1 of 4			
IDENTITY (As Used on I and List) Alkaline battery	Label	Note : Blank spac marked to indicat		ed if any item is not applicable or no	information is available, the space must be			
Section I		<u> </u>						
Manufacturer's Name		Emergency Telep	hana Numbar					
GPI International L	td	Emergency relep	mone Number					
Address (Number, Street		Telephone Numb	er for information					
State, and ZIP Code) 8/F GP Building, 30 Kwai Wing		852-2484-3333						
		Date of prepared and revision						
Road,		Sep 8, 2011						
Kwai Chung, N.T. H.K.		Signature of Prep	(+:1)					
		Signature of Prep	are (optional)					
Section II - Haz	ardou	s Ingredien	ts / Identity	Information				
Hazardous Components:								
Description:		CA	AS#	EINECS No.	Approximate % of total weight			
Lead			-92-1	231-106-7	<0.004Wt%			
Mercury	-		-97-6	231-106-7	<0.0001Wt%			
Cadmium			-43-9	231-152-8	<0.002Wt%			
Manganese Dioxide			-13-9	215-202-6	~40Wt%			
Zinc Metal			-66-6	231-175-3	~16Wt%			
Potassium hydroxide		1310	-58-3	215-181-3	~18Wt%			
Section III - Phys	sical / C	Chemical Ch	aracteristics					
Boiling Point	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Specific Gravity						
N.A.		- Filling Startly	\ 2= -/	N.A.				
Vapor Pressure (mm Hg)		Melting Point						
N.A.				N.A.				
Vapor Density (AIR=1)		Evaporation Rate	(Butyl Acetate)	N. 4				
N.A. Solubility in Water				N.A.				
N.A.								
Appearance and Odor								
			Cylindri	cal Shape, odorless				
Section IV -Haz	zard C	Lassification		• :				
Classification	<u>Lara C</u>	nassinoatioi	1					
N.A.								
11.21.								
Section V – Rea	activity	/ Data						
Stability Unstabl		Jaia	Conditions to Avo	nid				
Stability	ic		Conditions to Ave	лu				
Stable		V						
		X						
Incompatibility (Materials	s to Avoid	1)						
Hazardous Decomposition	n or Rypro	nducts						
Table Decomposition	or D ypro							
Hazardous May Od	ccur		Conditions to Avo	oid				
Polymerization W'II N								
Will No	ot Occur	v						
		X						





Document Number: Ma	AA100	Revision	Page 2 of 4	
Section VI - Health I	Hazard Data			
Route(s) of	Inhalation?	Skin?	Ingestion?)
Entry		N.A.	N.A.	N.A.
Health Hazard (Acute and	Chronic) / Toxiclog	gical information		
In case of electrolyte leal	kage, skin will be itchy v	when contaminated with electro	lyte.	
In contact with electrolyt	te can cause severe irrita	tion and chemical burns.		
Inhalation of electrolyte	vapors may cause irritati	on of the upper respiratory trac	t and lungs.	
Section VII – First A	id Measures			
First Aid Procedures				
If electrolyte leakage occ	curs and makes contact w	vith skin, wash with plenty of w	ater immediately.	
If electrolyte comes into	contact with eyes, wash	with copious amounts of water	for fifteen (15) minutes, and co	ontact a physician.
If electrolyte vapors are	inhaled, provide fresh air	r and seek medical attention if r	espiratory irritation develops.	Ventilate the contaminated area.
Section VIII - Fire ar	nd Explosion H	azard Data		
Flash Point (Method Used)	Ignition Temp.	Flammable Limits	LEL	UEL
N.A.	N.A.	N.A.	N.A.	N.A.
Extinguishing Media				
Carbon Dioxide, Dry Ch	emical or Foam extingui	shers		
Special Fire Fighting Procedures				
N.A.				
Unusual Fire and Explosion Haza	nrds			
Do not dispose of battery	y in fire - may explode.			
Do not short-circuit batte	ery - may cause burns.			
Section IX - Accider	ntal Release or	Spillage		
Steps to Be Taken in Case	Material is Release	d or Spilled		
Batteries that are leaka	ge should be handled wi	th rubber gloves.		
Avoid direct contact w	ith electrolyte.			
Wear protective clothin	ng and a positive pressur	e Self-Contained Breathing Ap	paratus (SCBA).	
Section X – Handling	g and Storage			
Safe handling and storage				
Batteries should be h	andled and stored carefu	lly to avoid short circuits.		
		etal objects to be mixed with st	ored batteries.	
Never disassemble a				
	apors or touch internal n	naterial with bare hands.		
			temperature allowed is 60 4	or a short period during the chinment
		nigh temperature ,the maximum sult in shortened service life.	temperature anowed is 60 - 1	or a short period during the shipment,





Document Number: MAA100 Revision:11 Page 3 of 4 Section XI - Exposure Controls / Person Protection Occupational Exposure Limits: LTEP N.A. Respiratory Protection (Specify Type) N.A. Ventilation Local Exhausts Special N.A. N.A. Mechanical (General) Other N.A. N.A. Protective Gloves Eye Protection N.A. N.A. Other Protective Clothing or Equipment N.A. Work / Hygienic Practices N.A. Section XII - Ecological Information Section XIII - Disposal Method Dispose of batteries according to government regulations.

Section XIV – Transportation Information

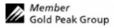
In general, all batteries in all forms of transportation (ground, air, or ocean) must be packaged in a safe and responsible manner. Regulatory concerns from all agencies for safe packaging require that batteries be packaged in a manner that prevents short circuits and be contained in "strong outer packaging" that prevents spillage of contents. All original packaging for GP alkaline batteries has been designed to be compliant with these regulatory concerns. Alkaline batteries (sometimes referred to as "Dry cell" batteries) are not listed as dangerous goods under the IATA Dangerous Goods Regulation 52 Edition 2011, ICAO Technical Instructions and the U.S. hazardous materials regulations (49 CFR). These batteries are not subject to the dangerous goods regulations provided they meet the requirements contained in the following special provisions.

Regulatory Body	Special Provisions		
ADR	295 - 304, 598		
IMDG	UN 3028 Provisions 295 - 304		
UN	UN 3028 Provisions 295 - 304		
US DOT	49 CFR 172.102 Provision 130		
IATA	A123		
ICAO	UN 3028 Provisions 295 - 304		

All GP alkaline batteries are packed in such a way to prevent short circuits or the generation dangerous quantities of heat and meet the special provisions listed above. In addition, the IATA Dangerous Goods Regulations and ICAO Technical Instructions require the words "not restricted" and the Special Provision number A123 be provided on the air waybill, when an air waybill is issued.

Non-dangerous goods.

Such battery have been packed in inner packaging in such a manner as to effectively prevent short circuit and movement that could lead to short circuit.





Document Number: MAA100 Revision:11 Page 4 of 4

Section XV - Regulatory Information

Special requirement be according to the local regulatories.

Section XVI – Other Information

The data in this Material Safety Data Sheet relates only to the specific material designated herein.

Section XVII - Measures for fire extinction

In case of fire, it is permissible to use any class of extinguishing medium on these batteries or their packing material. Cool exterior of batteries if exposed to fire to prevent rupture.

Fire fighters should wear self-contained breathing apparatus.

