

Unusual Fire and Explosion Hazards
When exposed to excess heat, cell may burst

For RadioShack Cat. No. : 23-127[B], 23-450

GP30AAAKC Section I Manufacturer's Name GPI International Ltd. / GP Batteries (U.S.A.) Inc. Address (Number, Street, City, State, and ZIP Code) 87F, Gold Peak Building, 30 Kwai Wing Road, Kwai Chung, N.T. Hong Kong 11235 West Bernardo Court, San Diego, CA92127-1638, U.S.A. Section II - Hazardous Ingredients/Identity Information Hazardous Components: Description: Approximate % of total weight Ni(OH)2 (Nickel Hydroxide) ; 15 Wt% Mercury ; <5 ppm Lead ; Nil	MATERIAL SAFETY DA	ATA SHEET	1		Date: 3 Jan, 2003		
Section	Identity (As Used on Label and List)	Note: Blank spaces are not permitted if may item is not applicable or no information is available, the space must be marked to indicate that.					
Manufacturer's Name							
CPI International Ltd. / GP Batteries (U.S.A.) Inc. Address (Number, Street, City, State, and ZIP Code) Telephone Number for information (852) 2484 3333 (819) 674 5620 Section II - Hazardous Court, San Diego, CA92127-1638, U.S.A. (619) 674 5620 Section II - Hazardous Ingredients/Identity Information (852) 2484 3333 (819) 674 5620 Section II - Hazardous Components: Approximate % of total weight Secretary (1920) (819) 674 5620 Section II - Hazardous Components: Approximate % of total weight Secretary (1920) (819) 674 5620 Section II - Hazardous Components: Approximate % of total weight Secretary (1920) (819) 674 5620 Section II - Hazardous Components: Secretary (1920) (819) 674 5620 Section II - Hazardous Components: Section II - Physical/Chemical Characteristics Section III - Phys	Section I						
Address (Number, Street, City, State, and ZIP Code) AF, Gold Peak Building, 30 Kwai Wing Road, Kwai Chung, N.T. Hong Kong SPF, Gold Peak Building, 30 Kwai Wing Road, Kwai Chung, N.T. Hong Kong SPF, Gold Peak Building, 30 Kwai Wing Road, Kwai Chung, N.T. Hong Kong SPF, Gold Peak Building, 30 Kwai Wing Road, Kwai Chung, N.T. Hong Kong SPF, Cold Peak Building, 30 Kwai Wing Road, Kwai Chung, N.T. Hong Kong SPF, Cold Peak Building, 30 Kwai Wing Road, Kwai Chung, N.T. Hong Kong SPF, Cold Peak Building, 30 Kwai Wing Road, Kwai Chung, N.T. Hong Kong SPF, Cold Peak Building, 30 Kwai Wing Road, Kwai Chung, N.T. Hong Kong SPF, Cold Peak Building, 30 Kwai Wing Road, Kwai Chung, N.T. Hong Kong SPF, Cold Peak Building, 30 Kwai Wing Road, Kwai Chung, N.T. Hong Kong SPF, Cold Peak Building, 30 Kwai Wing Road, Kwai Chung, N.T. Hong Kong SPF, Cold Peak Building, 30 Kwai Wing Road, Kwai Chung, N.T. Hong Kong SPF, Cold Peak Building, 30 Kwai Wing Road, Kwai Chung, N.T. Hong Kong SPF, Cold Peak Building, 30 Kwai Wing Road, Kwai Chung, N.T. Hong Kong SPF, Cold Peak Building, 30 Kwai Wing Road, Kwai Chung, N.T. Hong Kong SPF, Cold Peak Building, N.T. Hong SPF, Cold Peak Building, N.T. Hong Kong SPF, Cold Peak Building, N.T. Hong SPF, Cold Peak Building, N.T. Hong SPF, Cold Peak Building, N.	Manufacturer's Name		Emergency Telephone Number				
1235 West Bernardo Court, San Diego, CA92127-1638, U.S.A. (619) 674 5620	GPI International Ltd. / GP Batteries (U.S.A.) Inc.						
1235 West Bernardo Court, San Diego, CA92127-1638, U.S.A. (619) 674 5620	Address (Number, Street, City, State, and ZIP Code)		Telephone Number for information				
Section II - Hazardous Ingredients/Identity Information Itazardous Components: Description: Approximate % of total weight Ni(OH)2 (Nickel Hydroxide) 15 W6% Mercury 14 W6% Mercury 15 W6% Mercury 16 Sppm Lead 18 Nil Section III - Physical/Chemical Characteristics Boiling point N.A. Specific Gravity (H2O=1) N.A. N.A. Vapor Pressure (mm Hg) N.A. NA. Vapor Density (AIR = 1) N.A. (Butyl Acetate = 1) N.A. Appearance and Odor Cylindrial Shape, odorless Section IV - Fire and Explosion Hazard Data Flash Point (Method Used) N.A. Flammable Limits N.A. NA. Special Fire Fighting Procedures	8/F, Gold Peak Building, 30 Kwai Wing Road, Kwai Chu	(852) 2484 3333					
Hazardous Components: Description: Approximate % of total weight Ni(OH)2 (Nickel Hydroxide) i 15 Wt% Ni(OH)2 (Nickel Hydroxide) i 14 Wt% Mercury i 5 ppm Lead i Nil Seadmium i 14 Wt% Section III - Physical/Chemical Characteristics Boiling point N.A. Specific Gravity (H2O=1) N.A. Wapor Pressure (mm Hg) N.A. Wapor Pressure (mm Hg) N.A. Wapor Density (AIR = 1) N.A. Superarace and Odor Cylindrial Shape, odorless Section IV - Fire and Explosion Hazard Data Flash Point (Method Used) N.A. Flammable Limits N.A. N.A	<u> </u>	(619) 674 5620					
Description: Approximate % of total weight	Section II - Hazardous Ingredients/	Identity Information	1				
Ni(OH)2 (Nickel Hydroxide) ; 15 Wt% 30% KOH Solution (Potassium Hydroxide) ; 14 Wt% Mercury ; ≤5 ppm Lead ; Nil Cadmium : 14 Wt% Section III - Physical/Chemical Characteristics Boiling point Specific Gravity (H2O=1) N.A. N.A. Vapor Pressure (mm Hg) Melting Point N.A. N.A. Vapor Density (AIR =1) Evaporation Rate (Butyl Acetate =1) N.A. Solubility in Water N.A. Appearance and Odor Cylindrial Shape, odorless Section IV - Fire and Explosion Hazard Data Flash Point (Method Used) N.A. N.A. N.A. N.A. N.A. Flammable Limits LEL UEL N.A. Special Fire Fighting Procedures	Hazardous Components:						
Mercury ; 45 ppm Lead : Nil Section III - Physical/Chemical Characteristics Boiling point Specific Gravity (H2O=1) N.A. N.A. Vapor Pressure (mm Hg) N.A. Whething Point N.A. N.A. Vapor Density (AIR = 1) N.A. (Butyl Acetate = 1) N.A. (Butyl Acetate = 1) N.A. Appearance and Odor Cylindrial Shape, odorless Section IV - Fire and Explosion Hazard Data Flammable Limits N.A. N.A. N.A. N.A. Extingushing Media N.A. Special Fire Fighting Procedures	Description:	Approximate	% of total weight				
Mercury ; <5 ppm : Nil : Nil Section III - Physical/Chemical Characteristics Soiling point N.A. Vapor Pressure (mm Hg) N.A. Wapor Density (AIR = 1) N.A. Solubility in Water N.A. Appearance and Odor Cylindrial Shape, odorless Section IV - Fire and Explosion Hazard Data Flash Point (Method Used) N.A. Flash Point (Method Used) N.A. Extingushing Media N.A. Special Fire Fighting Procedures	Ni(OH)2 (Nickel Hydroxide)	; 15	Wt%				
eadmium ; Nil Section III - Physical/Chemical Characteristics Soiling point Specific Gravity (H2O=1) N.A. N.A. Vapor Pressure (mm Hg) Melting Point N.A. N.A. Vapor Density (AIR = 1) Evaporation Rate N.A. (Butyl Acetate = 1) N.A. Solubility in Water N.A. Appearance and Odor Cylindrial Shape, odorless Section IV - Fire and Explosion Hazard Data Flash Point (Method Used) Flammable Limits LEL UEL N.A. N.A. Stringushing Media N.A. Special Fire Fighting Procedures	30% KOH Solution (Potassium Hydroxide)	; 14	Wt%				
eadmium ; Nil Section III - Physical/Chemical Characteristics Soiling point Specific Gravity (H2O=1) N.A. N.A. Vapor Pressure (mm Hg) Melting Point N.A. N.A. Vapor Density (AIR = 1) Evaporation Rate N.A. (Butyl Acetate = 1) N.A. Solubility in Water N.A. Appearance and Odor Cylindrial Shape, odorless Section IV - Fire and Explosion Hazard Data Flash Point (Method Used) Flammable Limits LEL UEL N.A. N.A. Stringushing Media N.A. Special Fire Fighting Procedures							
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Section III - Physical/Chemical Characteristics Boiling point	Lead	; Nil					
Boiling point N.A. N.A. Wapor Pressure (mm Hg) N.A. Wapor Density (AIR = 1) N.A. Wapor Density (AIR = 1) N.A. Solubility in Water N.A. Cylindrial Shape, odorless Section IV - Fire and Explosion Hazard Data Flash Point (Method Used) N.A. Flash Media N.A. Special Fire Fighting Procedures	cadmium	; 14	Wt%				
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Section IV - Fire and Explosion Hazard Data Flash Point (Method Used) N.A. Flammable Limits N.A. N.A. N.A. Special Fire Fighting Procedures		dorloss					
Flash Point (Method Used) N.A. Flammable Limits N.A. N.A. N.A. N.A. N.A. Special Fire Fighting Procedures							
N.A. N.A. N.A. N.A. Extingushing Media N.A. Special Fire Fighting Procedures	•		::	LEI	THE		
Extingushing Media N.A. Special Fire Fighting Procedures	,	Flammable L					
N.A. Special Fire Fighting Procedures			N.A.	N.A.	N.A.		
Special Fire Fighting Procedures							
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Section V	- Reactivity Data							
Stability	Unstable	Conditions to Avoid						
	Stable X							
Incompatibility (I	Materials to Avoid)							
Hazardous Decon	nposition or Byproducts							
When heated, bat	tery may emit hazardous vapo	urs of KOH/NaOH & Hg.						
Hazardous	May Occur	Conditions to Avoid						
reactions								
	Will Not Occur X							
Castian \/I	Llootth Llozord [) oto						
	- Health Hazard [.: 0				
Route(s) of Entry	Inhalatio		_	estion?				
TT 1:1 TT 1:/4	1.01	N.A.	N.A.		N.A.			
Health Hazard (A	cute and Chronic)	NI A						
Caraina	NTP?	N.A.	Managements? Of	IIA D1	-4-10			
Carcinogenicity	NIP!	LARC	Monographs? OS	HA Regul	ated?			
		N.A.	N.A.		N.A.			
Signs and Sympto	oms of Exposure	N.A.	N.A.		N.A.			
	yte leakage, skin will be itchly	when contaminated by elec	trolyte					
Medical Condition	•	when committee of elec	a ory to:					
	ated by Exposure	N.A.						
	First Aid Procedures							
		immediately with water. Fo	r eye contact, flush w	ith copiou	s amounts of water for 15 minutes			
and see physian.		·						
Section VI	I - Precautions for	Safe Handling a	nd Use					
	n in Case Material is Released							
-		•	rom leaker comes in c	contact wit	h skin, wash immediately with			
Use neoprene, rubber latex-nitrile gloves when handling leakers. If liquid from leaker comes in contact with skin, wash immediately with water. For eye contact, flush with copious amounts of water for 15 minutes and see physian.								
	,							
Waste Disposal M	Tethod							
-	since battery may explode.							
	· · ·							
Precaution to Be	Taken in Handling and Storin	g						
The battery is ext	remely sensitive to adverse ef	fect of humidity. Be sure to	store them in a place	which is o	lry and subject to little temperature			
		•			attery in fire. Do not charge the battery.			
		-						
Do not short-circuit the battery. Do not put in backward position. Do not disassemble the battery, handling in such manner can cause the battery to explode, leak and injury.								
Other Precautions								
Install batteries in accordance with equipment instructions. Replace all batteries in equipment at the same time. Do not mix battery systems of								
different types. Do not carry batteries loose in your pocket or carrying bag. Check batteries periodically when in use.								
Section VI	II - Control Measu	res						
-	ction (Specify Type)							
	(op)							
Ventilation	Local Exhausts		Special					
		N.A.		N.A.				
	Mechanical (General)		Other					
		N.A.		N.A.				
Protective Gloves	3		Eye Protection					
		N.A.		N.A.				
Other Protective	Clothing or Equipment							
		N.A.						
Work/Hygenic Pr	ractices							
		N.A.						