

For RadioShack Cat. No.: 23-191[B], 23-193[E], 23-271, 23-960[A], 23-962

MATERIAL SAFETY DA	TA SHEET			Date: 3 Jan, 2003		
Identity (As Used on Label and List)		Note: Blank spac	es are not permitted	l if may item is not applicable or	no	
GP70AAS		information is av	ailable, the space m	ust be marked to indicate that.		
Section I						
Manufacturer's Name		Emergency Telep	hone Number			
GPI International Ltd. / GP Batteries (U.S.A.) Inc.						
Address (Number, Street, City, State, and ZIP Code)	Telephone Numb	Telephone Number for information				
8/F, Gold Peak Building, 30 Kwai Wing Road, Kwai Chu		(852) 2484 3333				
11235 West Bernardo Court, San Diego, CA92127-1638,		(619) 674 5620				
Section II - Hazardous Ingredients/	Identity Informat	ion				
Hazardous Components:						
Description:	Approxir	Approximate % of total weight				
Ni(OH)2 (Nickel Hydroxide)	; 18	3 Wt%				
	,					
30% KOH Solution (Potassium Hydroxide)	; 14	4 Wt%				
Mercury	; <5 p	pm				
Lord	; Ni	1				
Lead	, 101	1				
cadmium	; 18	8 Wt%				
Section III - Physical/Chemical Cha	aracteristics					
Boiling point	(H2O=1)					
N.A.	Special Glavity	N.A.				
Vapor Pressure (mm Hg)	Melting Point					
N.A.		N.A.				
Vapor Density (AIR =1)	Evaporation Rate	e				
N.A.	-	(Butyl Acetate = 1) N.A.				
Solubility in Water	1					
N.A.						
Appearance and Odor						
Cylindrial Shape, o	dorless					
Section IV - Fire and Explosion Ha	zard Data					
Flash Point (Method Used)	Flammab	le Limits	LEL	UEL		
N.A.		N.A.	N.A.	N.A.		
Extingushing Media						
N.A.						
Special Fire Fighting Procedures						
N.A.						
Unusual Fire and Explosion Hazards						
When exposed to excess heat, cell may burst						



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			
	ontact, flush with copious amo				, ··			
	,							
Waste Disposal M	Tethod							
-	since battery may explode.							
	· · ·							
Precaution to Be	Taken in Handling and Storin	g						
The battery is extremely sensitive to adverse effect of humidity. Be sure to store them in a place which is dry and subject to little temperature								
change. Do not place near the boiler or radiator, nor expose to the direct sunlight. Do not dispose of the battery 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 VIII - Control Measures								
-	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.						