

Model No: GP55AAAH

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IDENTITY (As Used on Label and List)	Note: Blank spaces are not permitted if any item is not applicable or no information is available, the space must		
GP55AAAH	be marked to indicate that.		
Section I – Information of M	lanufacturer en		
Manufacturer's Name	Emergency Telephone Number		
Hui zhou Power Pack co,Ltd.			
Address (Village, Street, City State,)	Telephone Number for information		
Da shu Ling Vil. Xiao Jin Kou	86-0752-2292383		
	Date of prepared and revision		
Hui zhou, Guang dong	MAR. 27. 2008		
	Signature of Preparer (optional)		

Section II - Hazardous Ingredients / Identity Information

Hazardous Components:

A) The content of elements are based on homogeneous materials level of NiMH battery:

Element	Lead	Cadmium	Hexavalent	Mercury Polybrominated		Polybrominated Diphenyls
			Chromium(Cr6+)		Biphenyls(PBBs)	Ethers(PBDEs)
Limit (mg/kg)	<1000	<100	<1000	<1000	<1000	<1000
CAS NO.	7439-92-1	7440-43-9	18540-29-9	7439-97-6	59536-65-1	

B) The content of elements are based on total weight of NiMH battery:

Element	Lead	Cadmium	Hexavalent	l	Mercury	Polybrominated	i	Polybrominated Diphenyls	
			Chromium(Cr6+)			Biphenyls(PBB	s)	Ethers(PBDEs)	
Limit (mg/kg)	<40	<20	<5	<	<5	Nil		Nil	
Element	Ni(OH)2 (Nicke	1 30% KOH Solu	ition	30%]	NaOH Solut	tion			
	Hydroxide)	(Potassium Hy	droxide)	(Sod	ium Hydrox	ide)			
Limit(wt%)	<30%	<20%		<20%					
CAS NO.	12054-48-7	1310-58-3		1310-73-2					

Section III - Physical / Chemical Characteristics

Boiling Point	Specific Gravity (H ₂ O=1)
N.A.	N.A.
Vapor Pressure (mm Hg)	Melting Point
N.A.	N.A.
Vapor Density (AIR=1)	Evaporation Rate (Butyl Acetate)
N.A.	N.A.

Solubility in Water

N.A

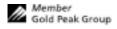
Appearance and Odor

Prismatic Shape, odorless

Section IV - Hazard Classification

Classification

N.A.

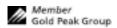




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Section V	 Reactivity 	y Data							
Stability	Unstable		Condition	s to Avoid					
	Stable	X							
Incompatibility (Materials to Avoid	1)							
Hazardous Decor	mposition or Bypr	oducts							
Hazardous Polymerization	May Occur		Condition	s to Avoid					
	Will Not Occur	X							
	- Health H	azard Data							
Route(s) of		Inhalation?		Skin?		Ingesti	ion?		
Entry			N.A	. .		N.A.			N.A.
	•	Chronic) / Toxio							
				ontaminated with electr	rolyte.				
In contact	ct with electrolyte	can cause severe in	rritation an	d chemical burns.					
Inhalatio	on of electrolyte va	apors may cause irr	ritation of t	he upper respiratory tra	act and	l lungs.			
Section VI	I – First Aid	d Measures							
First Aid Proc		<u></u>							
If electro	olyte leakage occu	rs and makes conta	act with ski	n, wash with plenty of	water	immediately.			
				opious amounts of water			nd conta	ect a physician	
	-			eek medical attention if					
- If electro	Tyte vapors are in	naied, provide ires	ii aii aiia se	cek medicar attention ii	гезрп	Tatory irritation develop	ps. ven	unate the conta	minuted area.
		d Explosion	Hazar	d Data					
Flash Point (Met	hod Used)	Ignition Temp.		Flammable Limits		LEL		UEL	
N.	A.	N.A.		N.A.		N.A.			N.A.
Extinguishing M	edia								
Carbon 1	Dioxide, Dry Chei	mical or Foam exti	nguishers						
Special Fire Figh	ting Procedures								
N.A.									
Unusual Fire and	Explosion Hazard	ds							
Do not d	lispose of battery i	in fire - may explo	de.						
Do not s	hort-circuit batter	y - may cause burn	S.						





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Section IX	 Accidental Release or S 	Spillage	
	aken in Case Material is Released of		
Batter	ies that are leakage should be handled with r	rubber gloves.	
Avoid	direct contact with electrolyte.		
Wear	protective clothing and a positive pressure Se	elf-Contained Breathing Apparatus (SCBA).	
Section X	- Handling and Storage		
	g and storage advice		
Batt	eries should be handled and stored carefully	to avoid short circuits.	
Do 1	not store in disorderly fashion, or allow meta	al objects to be mixed with stored batteries.	
Nev	er disassemble a battery.		
Doı	not breathe cell vapors or touch internal mate	erial with bare hands.	
Whe	p batteries between -30°C and 35°C for prole en the cells are closed to fully charged ,the st sportation and packed with efficient air venti	torage temperature should be between -20 and 30	and should be controlled at 10-20 during
Section X	– Exposure Controls / Per	rson Protection	
Occupational Ex		STEP	
•	N.A.	N.A.	
Respiratory Prot	ection (Specify Type)		
	N.A.		
Ventilation	Local Exhausts	Special	
	N.A.	N.A.	
	Mechanical (General)	Other	
	N.A.	N.A.	
Protective Glove	SS	Eye Protection	
	N.A.	N.A.	
Other Protective	Clothing or Equipment		
	N.A.		
Work / Hygienic			
	N.A.		
Section X	II – Ecological Information		
	N.A.		
Section X	III – Disposal Method		_
	,		
Dispose o	f batteries according to government regulation	ons.	



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Section XIV – Transportation Information

GP batteries are considered to be "Dry cell" batteries and are unregulated for purposes of transportation by the U.S. Department of Transportation (DOT), International Civil Aviation Administration (ICAO), International Air Transport Association (IATA) and International Maritime Dangerous Goods Regulations (IMDG). The only DOT requirement for shipping these batteries is special provision 130 which states: "Batteries, dry are not subject to the requirements of this subchapter only when they are offered for transportation in a manner that prevents the dangerous evolution of heat (For example, by the effective insulation of exposed terminals). The only requirements for shipping these batteries by ICAO and IATA is Special Provision A123 which states: "An electrical battery or battery powered device having the potential of dangerous evolutions of heat that is not prepared so as to prevent a short-circuit (e.g. in the case of batteries, by the effective insulation of exposed terminals; or in the case of equipment, by disconnection of the battery and protection of exposed terminals) is forbidden from transportation." The international Maritime Dangerous Goods Code (IMDG) regulate them for ocean transportation under Special Provision 304 which says: Batteries, dry, containing corrosive electrolyte which will not flow out of the battery if the battery case is cracked are not subject to the provision of this Code provided the batteries are securely packed and protected against short-circuits. Example of such batteries are: alkali-manganese, zinc-carbon, sliver oxide, nickel metal hydride and nickel-cadmium batteries which are non-dangerous goods. Such batteries have been packed in inner packaging in such a manner as to effectively prevent short circuit and movement that could lead to short circuit.

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.

