

Ref.No.:GPMSDS-LR1130GH-2020A

# (Material) Safety Data Sheet(M)SDS

IDENTITY (As Read on Label and Line	Notice: Blank spaces are not permitted. If any item is not				
LR1130GH ALKALINE BUT	applicable, or no information is available, the space must be marked to indicate that.				
Section I		•			
Manufacturer's Name	Telephone Number				
Golden Power Corporation (HK) Ltd.			125 2288		
Address (Number, Sheet, City, State, a	Fax Number (852) 3125 2000 / 3125 2001				
Flat C, 20/F., Block 1, Tai Ping Indust 57 Ting Kok Road, Tai Po, N.T., Hong	Date Prepared 01-Jan-2020				
Zhen Hua Iudustries District, Qi Shi E Guangdong People's Republic of China.	Oongguan,				
	Signature of Preparer (optional)				
Section II – Hazardous Ingredie	ents/Identity	Information			
Hazardous Components (Specific Chemi	cal Identity, C	ommon Names) (contents	s, %/wt)	CAS No.	
Manganese Dioxide	$(MnO_2)$	22.0 %		1313-13-9	
Zinc	(Zn)	10.0 %		7440-66-6	
Potassium Hydroxide	(KOH)	3.0 %		1310-58-3	
Graphite	(C)	2.0 %		7782-42-5	
Cadmium	(Cd)	≦ 0.00	05 %	7440-43-9	
Mercury	(Hg)	≦ 0.00	01 %	7439-97-6 7439-92-1	
Section III – Physical/Chemical	Characteri	stics			
Boiling Point		Specific Gravity (H <sub>2</sub> O=1)			
KOH aqua solution = 140 °C		$MnO_2 = 4.4$ , $Zn = 7.1$ , KO			
Vapor Pressure (mmHg) KOH aqua solution = 3mmHg at 20 °C					
Vapor Density (Air = 1)		Zn = 420 °C, KOH aqua = – Evaporation Rate (Butyl Acetate = 1)			
Solubility in Water KOH – complete	;	•		·	
		nite is also a black powder, Zinc i with stimulative order.	is a silver met	al.	
Section IV – Fire and Explosion	•				
Flash Point (Method Used) Incombustible		Flammable Limits Not Available	LEL	UEL	
Extinguishing Media: See Special	Fire Fightin	ng Procedure	1	1	
Special Fire Fighting Procedure: In case are packed in their original contained unpackaged cells use LITH-X (Graph As with any fire, wear self-contained	rs since the faite Base). In	fuel of the fire is basically pathis case, do not use water.	per product	s. For bulk quantities of	

Unusual Fire and Explosion Hazards



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Section V - Re	eactivity Data									
Stability	Unstable		Conditions to A	Conditions to Avoid  Do not short circuit, charge or dispose of in fire.						
	Stable	<b>√</b>			DO HOU SHO	ort circu	it, charge of dispos	se of mine.		
Incompatibility (N	Materials to Avoid)		Hazardous p	olymer	ization w	ill not o	ccur.			
Hazardous Decom	position or Byprodu	icts	Not Availab	le						
Hazardous	May Occur		Conditions to A	Avoid						
Polymerization	Will Not Occur	<b>V</b>								
Section VI – H	lealth Hazard D	ata	I.							
Route(s) of Entry.	Inhalatio	1?	Yes	Skin	Yes		Ingestion?	Yes		
Health Hazards (A	when a	oattery cell vo	is mechanical	ly or ele ustic all	ectrically a cali and at	bused.		re occurs, k is acute exposure ntact of electrolyte		
	<b>Ecological Infor</b>	mati								
Cardnogenicity	NTP? Not Ava	ilable	IARC Mono	graphs?	Not Ava	ilable	OSHA Regulated?	Not Available		
Signs and Sympto	•	KO	H can cause cl	hemical	burn upo	on conta	ct with skin.			
Medical Conditions Generally Aggravated by Exposure  An acute exposure will not generally aggravate any medical help.										
	<b>Emergency and</b>									
In case of skin contact with content of battery, flush immediately with water.  For eye contact, flush with copious amount of water for 10 minutes. If imitation persists, get medical help.										
	recautions for S	afe H	landling and	Use						
Steps to Be T	aken in Case Mater	ial is R	Released or Spill	ed W	ipe out by	wet du	ster.			
Section X - Wa	aste Disposal M	ethod	I							
General aba	andonment									
Section XI - P	recautions to Be	Tak	en in Handli	ng and	Storing	5				
Avoid mech	nanical or electrica	ıl abus	se.							
Section XII - C	Other Precautio	ns								
Do not short circuit, charge or dispose of in fire. Battery may explode or leak.										
<b>Section XIII -</b>	Control Measu	res								
Respiratory Protect	ction (Specify Type)		Not Available	2						
Ventilation	Local Exhaust Not Available				Special		Not Available			
	Mechanical (Gene	General) Not Available			Other		Not Available			
Protective Gloves	Butyl			ye Prote	ection	Safet	y Glasses			
Other Protective C	Clothing or Equipme	nt	NI 04 A 11 1	1.						
Work / Hygienic F	Practices		Not Availab							
Not Available  Section XIV – Regulatory Information										



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Not Available

## Section XV – Other Information

Not Available

### **Section XVI – Transportation Information**

Golden Power **LR1130GH** ALKALINE BUTTON CELL are considered to be "dry cell" batteries and are not listed as dangerous goods under below regulations:

- 1. Batteries, dry fulfills the requirement of U.S. Department of Transportation (DOT), Special Provision 130, i.e. they are offered for transportation in a manner that prevents the dangerous evolution of heat (for example, by the effective insulation of exposed terminals or batteries to be packed in such a way to prevent short circuits or generation of a dangerous quantity of heat.)".
- 2. International Civil Aviation Administration (ICAO) and International Air Transport Association (IATA Dangerous Goods Regulation 61th Edition 2020), Special Provision A123, i.e. "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 or batteries to be packed in such a way to prevent short circuits or generation of a dangerous quantity of heat.) is forbidden from transportation."
- 3. International Maritime Dangerous Goods Regulations (IMDG) **2018** edition does not regulate these batteries.

Examples of such batteries include alkali-manganese, silver oxide, zinc carbon, nickel metal hydride and nickel-cadmium batteries.

注:于 2020年1月1日生效