

## Golden Power Corporation (HK) Ltd.

Safety Data Sheet SDS		<u> </u>	Ref.No	.:GPSDS-All	kaline-2020A		
IDENTITY (As Read on Label and Line)	Notice: Blank spaces are not permitted. If any item is not						
GLR6A,GLR03A(LR6,LR03)		applicable, or no information is available, the space must					
Power P+US Alkaline Ba	be marked						
Section I –Identification of the su	ıbstance/pre	eparation and of t	he comp	any/underta	king		
Manufacturer's Name		Telephone Number	Telephone Number				
Golden Power Corporation (HK) Ltd.		(852) 3125 2288					
(Goldtium Jiangmen Energy Produ-							
Address (Number, Sheet, City, State, an	Fax Number (852) 3125 2000 / 3125 2001  Date Prepared 2020						
Flat C, 20/F., Block 1, Tai Ping Industrial							
57 Ting Kok Road, Tai Po, N.T., Ho							
(Building 1&2,NO.83 Yongsheng Street,Pengjiang District,Jiangmen City,Guangdong Province,P.R.China)							
		1 January 2020 Signature of Preparer (optional)					
			і (орионаі	)			
Section II –Composition/informa							
Hazardous Components (Specific Chemic		nmon Names)	(contents,	*	CAS No.		
Manganese Dioxide	(MnO2)		40.24%		1313-13-9 7440-66-6		
Zinc	(Zn)		16.30%				
Potassium Hydroxide	(KOH)		5.57%				
Graphite	(C)		2.54%		7782-42-5		
Water	(H2O)		8.03%		7732-18-5		
Ferrum	(Fe)		23.17%		8053-60-9		
Polyamide	(NyLon)		0.97%		32131-17-2		
Nickel	(NI)		0.21%		7440-02-0		
Copper	(CU)		2.78%		7440-50-8		
Other		0.19%					
<b>EU Battery Directive 2006-66-EC(2</b>	013-56-EU) &	& US104-142					
Mercury	(Hg)		< 0.0001 %		7439-97-6		
Lead	(Pb)		< 0.0005%		7439-92-1		
Cadmium	(Cd)	< 0.0005%			7440-43-9		
Section III -Physical and chemic	al propertie	S					
Boiling Point		Specific Gravity (H <sub>2</sub> 0					
KOH aqua solution = 140 °C		$MnO_2 = 4.4$ , $Zn =$					
Vapor Pressure (mmHg)			Melting Point				
KOH aqua solution = 3mmHg at 20 °C		MnO <sub>2</sub> decompose at 535 °C					
		$Zn = 420 ^{\circ}\text{C}$ , KOH aqua = $-35 ^{\circ}\text{C}$					
Vapor Density (Air $= 1$ )	Evaporation Rate						
		(Butyl Acetate = 1)					
Solubility in Water KOH – complete							
Appearance and Color							
-		e is also a black powd	er, Zinc is	a silver metal.			
	<del>-</del>	ith stimulative order.					
Section IV –Fire-fighting measur	res	T .		<u> </u>	1		
Flash Point (Method Used)		Flammable Limits LEL			UEL		



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Incombustible			Not Available				
Extinguishing I	Media: See Specia	ıl Fire	Fighting	Procedu	ire	l	
packed in their unpackaged cells	original containers s use LITH-X (Grap	s since	e the fuel Base). In th	of the finis case, d	ire is basically pap lo not use water.	er products. F	tinguishers if cells are for bulk quantities of mposition products.
Unusual Fire and l	Explosion Hazards						
	bility and reactiv	rity	1				
Stability	Unstable		Conditions	to Avoid	Do not short circui	t, charge or disp	pose of in fire.
	Stable						
Incompatibility (M	faterials to Avoid)		Hazardo	us polym	nerization will not o	ecur.	
Hazardous Decom	position or Byproduc	ts	Not Ava	ilable			
Hazardous	May Occur		Conditions	s to Avoid			
Polymerization	Will Not Occur						
Section VI –To	xicological infor	matic	on				
Route(s) of Entry.	Inhalatio	n?	Yes	Sk	in? Yes	Ingestion?	Yes
Section VII – 1	when a c	ell ver	nts KOH is yes should	caustic al	ectrically abused. Th kali and attack the sk ed.	=	-
Cardnogenicity	NTP? Not Ava			lonograph	s? Not Available	OSHA Regulate	ed? Not Available
Signs and Sympto	ms of Exposure	KC			cal burn upon contac		
Medical Condition Generally Aggrava		An	acute expo	osure will	l not generally aggra	vate any medi	cal help.
Section VIII –	First-aid measur	es					
	tact, flush with cop		•		nediately with water 10 minutes. If imita		et
Section IX - A	ccidental release	meas	ures				
Steps to Be T	aken in Case Materia	l is Re	leased or Sp	pilled	Wipe out by wet dus	ster.	
Section X - Dis	sposal considerat	ions					
General aba	indonment						
	andling and stor						
	nanical or electrical						
Section XII - I	Hazards identific	ation					
	<del>_</del>				may explode or lea	k.	
Section XIII -	Exposure contro	ls/pei	rsonal pro	otection			
Respiratory Protec	ction (Specify Type)		Not Avail	lable			



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Ventilation	Local Exhaust		Special				
	Not Available		Not Available				
	Mechanical (General)		Other				
	Not Available			Not Available			
Protective Gloves	Butyl Eye Protect		Safety Glasses				
Other Protective Clo	thing or Equipment	·					
	Not Available						
Work / Hygienic Pra	ctices						
	Not Ava	lable					
Section XIV – R	egulatory Information						
Not Av	ailable						
Section XV – Ot	her Information						
Not Av	ailable						

## **Section XVI – Transportation Information**

Golden Power "Power Plus Alkaline Battery" 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 Ragulation61th 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)2018/39-18 edition does not regulate these batteries.

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