GOLITE

Guangzhou Nanhua Golden Power Electronic Co.,Ltd..

Ref.No.:GMSDS-CR2032-2021A

(Material) Safety Data Sheet(M)SDS

IDENTITY (As Read on Label and Line	• • •	Notice: Blank spa	aces are not per	mitted. If a	ny item is not			
(applicable, or no information is available, the space must						
CR2032 LITHIUM BUTTON CELL		be marked to indicate that.						
Section I								
Manufacturer's Name		Telephone Number	•					
Guangzhou Nanhua Golden Power Electronic Co.,Ltd		(8620) 8326 6440						
Address (Number, Sheet, City, State, and ZIP Code)		Fax Number (8620) 8326 6554						
Rm.706, 7/F,R & F New World Center, No.307 Guangzhou Middle Avenue,Guang Zhou, P.R.China		Date Prepared						
		O4-Jan-2021 Signature of Preparer (optional)						
		Signature of Prepar	rer (optional)					
Section II – Hazardous Ingredie	nts/Identity	Information						
Hazardous Components (Specific Chemi	cal Identity, Co	ommon Names)	(contents, %/	wt)	CAS No.			
Manganese Dioxide	(MnO ₂)		15%-40%		1313-13-9			
Propylene Carbonate	$(C_4H_6O_3)$		2%-6%		108-32-7			
1,2-Dimethoxyethane	$(C_4H_{10}O_2)$		1%-5%		110-71-4			
Lithium Perchlorate	(LiClO ₄)		0%-1.5%	146	7791-03-9			
Lithium	(Li)		1%-5%	1/3	7439-93-2			
Graphite	(C)		1%-4%	HUA 6	7782-42-5			
Mercury	(Hg)		< 0.0001%		7439-97-6			
Lead	(Pb)		< 0.001 %		7439-92-1			
Cadmium	(Cd)		< 0.0005%		7440-43-9			
Section III – Physical/Chemical Boiling Point	Characteri	stics Specific Gravity (H $MnO_2 = 4.4$, Zn						
Vapor Pressure (mmHg)	Melting Point MnO ₂ decompose at 535°C Zn = 420°C							
Vapor Density (Air = 1)	ensity (Air = 1)			Evaporation Rate (Butyl Acetate = 1)				
Solubility in Water					1			
Appearance and Color								
	powder, Graph	nite is also a black po	owder, Zinc is a si	ilver metal.				
Section IV – Fire and Explosion	Hazard Da		LE					
Flash Point (Method Used) Incombustible		Flammable Limits Not	UEL					
Extinguishing Media: See Special	Fire Fightin	ng Procedure						
Special Fire Fighting Procedure: In case are packed in their original contained unpackaged cells use LITH-X (Graph Aswithanyfire, wearself-contained breeze	ers since the hite Base). In	fuel of the fire is this case, do not u	basically paper se water.	products.	For bulk quantities of			
Unusual Fire and Explosion Hazards								

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Stability	Unstable		Conditions to	Avoid	Do not sho	ort circuit, charge or dispose of in fire.			
	Stable	V			3 0 110 \$ 5110	and the state of the pool of the state of th			
Incompatibility (Materials to Avoid)		Hazardous	polymer	ization wi	ill not occur.			
Hazardous Decor	mposition or Byprodu	icts	Not Availa	ble		TOMER ELECT			
Hazardous Polymerization	May Occur		Conditions to	Avoid		THE REPORT OF THE PROPERTY OF			
	Will Not Occur	√				The owns *			
Section VI – I	Health Hazard D	ata							
Route(s) of Entry	. Inhalation	1?	Yes	Skin	? Yes	Ingestion? Yes			
Health Hazards (Acute and Chronic) These chemicals are contained in a sealed can. Risk of exposure occurs, only if battery is mechanically or electrically abused.									
	Ecological Infor	matio							
Cardnogenicity NTP? Not Available IARC Monographs? Not Available OSHA Regulated? Not Available									
Signs and Symptoms of Exposure can cause chemical burn upon contact with skin.									
Medical Conditions GenerallyAggravatedbyExposure An acute exposure will not generally aggravate any medical help.									
Section VIII –Emergency and First Aid Procedures 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.									
Section IX - Precautions for Safe Handling and Use									
Steps to Be	Taken in Case Mater	ial is R	eleased or Sp	illed W	ipe out by	wet duster.			
Section X - Waste Disposal Method									
General ab	andonment								
Section XI - Precautions to Be Taken in Handling and Storing									
Avoid mechanical or electrical abuse.									
-	Other Precaution								
Do not short circuit, charge or dispose of in fire. Battery may explode or leak.									
Section XIII - Control Measures									
	ection (Specify Type)		Not Availab	ole	1				
Ventilation	Local Exhaust	Not A	Available		Special	Not Available			
	Mechanical (Gene		Available		Other	Not Available			
Protective Gloves	Butyl	11017	<u> </u>	Eye Prote	ection	Safety Glasses			
Other Protective Clothing or Equipment									
Not Available Work / Hygienic Practices									
Not Available Section XIV – Regulatory Information									
Not Available									
Section XV – Other Information									



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-- Average Weight : 3.2g

-- Metallic Lithium: ~0.08g

Section XVI – Transportation Information

Guangzhou Nanhua Golden Power Electronic Co.,Ltd. hereby certify that Lithium Coin Cell CR2032 meets the requirement of each applicable test in the UN Manual of Tests and Criteria, Part III sub-section 38.3. and all the requirements Section II of PI968~PI970.

GOLITE declares that the lithium coin cells concerned do not contain more than

1.0g ELC (Equivalent Lithium Contents)

These batteries, are considered as "Lithium Batteries – Not Restricted" when they can meet the current 62TH edition of the requirements of IATA Dangerous Goods Regulations 2021and IMDG of IMO Dangerous Goods Regulations, and they can meet the requirements of Special provision listed in IMDG book, could be shipped as normal cargo"

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)".