Version: V1.7

MSDS

MATERIAL SAFETY DATA SHEET

Prepared For : SHENZHEN GMCELL TECHNOLOGY CO,.LTD

Room G2205-G2206, Hualian Panorama International

Building, 27 District, Bao'an, Shenzhen, China

Prepared By : Shenzhen LCS Compliance Testing Laboratory Ltd.

Room 101, 201, Building A and Room 301, Building C,

Juji Industrial Park, Yabianxueziwei, Shajing Street,

Bao'an District, Shenzhen, Guangdong, China

Issue Date : 2023.01.01

Report Number : KA2212071061A

Written by: Kaaly Nong Approved by: Hut Re



Version: V1.7



REPORT NO.: KA2212071061A

* The MSDS is prepared based on the information provided by client. The contents and formats of this MSDS are revised as per

client's request.	ea on the information provided by	y chem. The contents and format	is of this MSDS are revised as per	
Section 1-Chemical Product and Company Identification				
Product Name	Ni-MH Battery			
Model	AA, AAA, SC, C, D, F, 9V, B4	40H, 18670,1/3AAA, 2/3AAA,	, 17670	
Trade Mark	GMCELL			
Ratings	1.2V, 1600mAh			
Weight	1			
Manufacturer	SHENZHEN GMCELL TECHNOLOGY CO,.LTD			
Manufacturer address	Room G2205-G2206, Hualian Panorama International Building, 27 District, Bao'an, Shenzhen, China			
Emergency Telephone	+86-755-29497371			
Fax	+86-755-29497371			
Section 2- Composition Information				
Chemical Composition	CAS No.	Weight (%)	Trade Secret	
Nickel	7440-02-0	15 - 40	*	
Nickel Hydroxide	12054-48-7	10 - 30	*	
Iron	7439-89-6	10 - 30	*	
Cobalt Oxide	1307-96-6	3-7	*	
Sodium hydroxide	1310-73-2	1-5	*	
Potassium hydroxide	1310-58-3	1-5	*	
Cobalt hydroxide	21041-93-0	1-5	*	

[&]quot; * " The exact percentage (concentration) of composition has been withheld as a trade secret.

1-5

Section 3- Hazards Identification		
Emergency overview:	N/A	
Classification according to GHS	Not a dangerous substance according to GHS	
Label elements:		
Hazard pictogram(s)	Not Applicable	



Manganese

7439-96-5

REPORT NO.: KA2212071061A

	TIEL ON THOS TO THE	
Signal word	Not Applicable	
Hazard statement(s)	Not Applicable	
Precautionary statement(s):		
Prevention	Not Applicable	
Response	Not Applicable	
Disposal	Not Applicable	
Environmental hazards:	No relevant information	
Important symptoms:	See section 11 for more information	
Section 4- First Aid Measures		
Eye contact	Flush eyes with plenty of water for least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.	
Skin contact	Remove contaminated clothes and rinse skin with plenty of water or shower for 15 minutes. Get medical aid.	
Inhalation	Remove from exposure and move to fresh air immediately. Use oxygen if available.	
Ingestion	Give at least 2 glasses of milk or water. Induce vomiting unless patient is unconscious. Call a physician.	
Sec	tion 5- Fire Fighting Measures	
Flash Point	N/A	
Auto-Ignition Temperature	N/A	
Extinguishing Media	H ₂ O, CO ₂	
Special Fire-Fighting Procedures	Self-contained breathing apparatus	
Unusual Fire and Explosion Hazards	Cell may vent when subjected to excessive heat-exposing battery contents	
Hazardous Combustion Products	Carbon monoxide, carbon dioxide, lithium oxide fumes.	

Section 6- Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

If the battery is released, remove personnel from area until fumes dissipate. Provide maximum ventilation to clear out hazardous gases. The preferred response is to leave the area and allow the vapors to dissipate. Avoid skin and eyes contact or inhalation of vapors. Remove spilled liquid with absorbent and incinerated. If leakage of the battery happens, liquid could be absorbed with sand, earth or other inert substance and contaminated area should be ventilated meantime.

REPORT NO.: KA2212071061A

Environment precautions:

Do not allow product to reach sewage system or any water source.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

Methods and material for containment and cleaning up:

If battery casing is dismantled, small amounts of electrolyte may leak. Collect all released material in a plastic lined container. Dispose off according to the local law and rules. Avoid leached substances to get into the earth, canalization or waters.

Canalization of waters.		
Se	ction 7- Handling and Storage	
Handling	The battery should not be opened, destroyed or incinerate, since they may leak or rupture and release to the environment the ingredients that they contain in the hermetically sealed container. Do not short circuit terminals, or over charge the battery, forced over-discharge, throw to fire. Do not crush or puncture the battery, or immerse in liquids.	
Storage	Avoid mechanical or electrical abuse. Storage preferably in cool, dry and ventilated area, which is subject to little temperature change. Storage at high temperatures should be avoided. Do not place the battery near heating equipment, nor expose to direct sunlight for long periods.	
Other Precautions	The battery may explode or cause burns, if disassembled, crushed or exposed to fire or high temperatures. Do not short or install with incorrect polarity.	
Section 8- E	xposure Controls/Personal Protection	
Engineering Controls	Use local exhaust ventilation or other engineering controls to control sources of dust, mist, fumes and vapor. Keep away from heat and open flame. Store in a cool, dry place.	
Personal Protective Equipment	Respiratory Protection: Not necessary under normal conditions. Skin and body Protection: Not necessary under normal conditions, Wear suitable protective clothing and gloves if handling an open or leaking battery. Hand protection: Wear suitable gloves if handling an open or leaking battery. Eye Protection: Not necessary under normal conditions, Wear safety glasses if handling an open or leaking battery.	
Other Protective Equipment	Have a safety shower and eye wash fountain readily available in the immediate work area.	
Hygiene Measures	Do not eat, drink, or smoke in work area. Maintain good housekeeping.	
Section 9- Physical and Chemical Properties		
Form	Solid	
Color	Green	
Odour	Not Applicable	
	·	

REPORT NO.: KA2212071061A

	REPORT NO RAZZ 1207 100 IA	
рН	Not Applicable	
Melting point/freezing point	Not Applicable	
Boiling Point and Boiling range	Not Applicable	
Flash Point	Not Applicable	
Upper/lower flammability or explosive limits	Not Applicable	
Vapor Pressure	Not Applicable	
Vapor Density	Not Applicable	
Relative density	Not Applicable	
Solubility in Water	Not Applicable	
Auto-ignition temperature	Not Applicable	
Decomposition temperature	Not Applicable	
Evaporation rate	Not Applicable	
Flammability (soil, gas)	Not Applicable	
Viscosity	Not Applicable	
Section 10- Stability and reactivity		
Stability	The product is stable under conditions described Section 7	
Conditions to Avoid	Heat above 70°C or incinerate. Deform, Mutilate, Crush, Disassemble, Overcharge, Short circuit, Expose over a long period to humid conditions.	
Incompatible Materials	Oxidizing agents, acid, base.	
Hazardous Decomposition Products	Carbon monoxide, carbon dioxide, lithium oxide fumes.	
Possibility of Hazardous Reaction	Not Applicable	
Section 11 – Toxicological Information		
Irritation	Risk of irritation occurs only if the cell is mechanically, thermally or electrically abused to the point of compromising the enclosure. If this occurs, irritation to the skin, eyes and respiratory tract may occur.	
Sensitization	Not Applicable	
Neurological Effects	Not Applicable	
Teratogenicity	Not Applicable	

REPORT NO.: KA2212071061A

	1121 0111 110 :: 10 122 1207 100 171		
Reproductive Toxicity	Not Applicable		
Mutagenicity (Genetic Effects)	Not Applicable		
Toxicologically Synergistic Materials	Not Applicable		
Section 12- Ecological Information			
Ecological Toxicity	Not Applicable		
Mobility in soil	Not Applicable		
Persistence and Degradability	Not Applicable		
Bioaccumulation potential	Not Applicable		
Other Adverse Effects	Not Applicable		
Section 13- Disposal Considerations			
Product disposal recommendation	Observe local, state and federal laws and regulations.		
Uncleaned packaging recommendation	Disposal must be made according to official regulations		
Section 14 – Transport Information			
Label for conveyance	N/A		
UN Number	UN 3496		
Transport hazard class(es)	9		
Packing group			
Marine pollutant	No		
UN Proper shipping name	Nickel-metal hydride batteries		

Transport information:

This goods shall be considered Not Restricted Goods and need to be complied with the requirements of special provision A199 of 64th DGR Manual of IATA or special provision 963 of IMDG CODE (Amdt 41-22). The words "Not Restricted" and the Special Provision number must be included in the description of the substance on the Air or Sea Waybill.

Transport Fashion: By air, by sea, by railway, by road.

Section 15- Regulatory information

Law information

- 《Dangerous Goods Regulations》
- 《Recommendation on the Transport of Dangerous Goods Model Regulations》
- 《International Maritime Dangerous Goods》
- 《Technical Instructions for the Safe Transport of Dangerous Goods》



REPORT NO.: KA2212071061A

- 《Classification and code of dangerous Goods》
- 《Consumer Product Safety Act》(CPSA)
- 《Federal Environmental Pollution Control Act》(FEPCA)
- 《Resource Conservation and Recovery Act》(RCRA)
- 《European Agreement concerning the International Carriage of Dangerous》
- 《Regulations concerning the International Carriage of Dangerous》

In according with all Federal, State and local laws.

Section 16- Other Information

The information above is believed to be accurate and represents the best information currently available to us. However, concorde makes no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. Although reasonable precautions have been taken in the preparation of the data contained herein, it is offered solely for your information, consideration and investigation. This material safety data sheet provides guidelines for the safe handling and use of this product; it does not and cannot advise on all possible situations, therefore, your specific use of this product should be evaluated to determine if additional precautions are required.

-- End of Report --

