Issue Date: January 5, 2021

IDENTITY (As Used on Label and List)	Note: Blank spaces are not permitted if any item is not
Nickel Metal Hydride Battery	applicable or no information is available, the space must be
	marked to indicate that.

Section I - Information of Manufacturer

Manufacturer's Name	Emergency Telephone Number
JYH Technology Co., Ltd	+86-750-3808313
Address: No. 12, Bangmin Road,	Telephone Number for information
Jianghai District, Jiangmen City, Guangdong, P.R. China.	+86-750-3808313

Section 1- Hazardous Ingredients/ Identity Information

Hazardous Components:

Hazardous Components:

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

Element	Lead	Cadmium	Hexavalent	Mercury	Polybrominated	Polybrominated
			Chromium(Cr ⁶⁺)		Biphenyls(PBBs)	Diphenyls
						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	Mercury	Polyk	orominated	Pol	ybromi-nated
				Chromium(Cr6+)		Biphenyls(PBBs)		Dip	henyls
								Eth	ers(PB-DEs)
Limit(mg/kg)	<40	<20		<5	<5	Nil		Nil	
Element	Ni(OH)2(N	Nickel 30%		6KOH	30%NaOH		Non-Hazardo	us	
	Hydroxide))	Sol	ution(Potassium	Solution(Sc	dium	Materials		
			Hydroxide)		Hydroxide)				
Limit(mg/kg)	<30%		<20%		<20%		<30%		
CAS no.	12054-48	-7	131	0-58-3	1310-73-2				

Section 2- 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 Water

N.A.				
Appearance and Odor				
• •	Cylindrical St	nape, odorless		
Section 3- Hazard Classifica	ation			
Classification				
N.A.				
Section 4- Reactivity Data				
Stability	Unstable		Con	ditions to Avoid
,	Stable	Х		
Incompatibility(Materials to Av	roid)	-	,	
Hazardous Decomposition or	Byproducts			-
Hazardous Polymerization	May Occur		Con	ditions to Avoid
	Will Not Occur	X		
Section 5- Health Hazard Da	ıta			
Route(s) of Inhalatio	n Ski	n Inge	stion	
Entry	N.A.	N.A.	N.A.	
Health Hazard (Acute and Ch	ronic) / Toxicological inf	formation		
•	akage, skin will be itch			
In contact with electroly	te can cause severe in	ritation and chemical b	urns.	
Inhalation of electrolyte	vapors may cause irrit	ation of the upper resp	iratory tract and lun	gs
Section 6- First Aid Measure				
First Aid Procedures	; 5			
If electrolyte leakage occ	cure and makes contac	t with ekin wash with r	Jenty of water imme	adiatoly
If electrolyte comes into		·	-	
contact a physician.	o contact with eyes, wa	asii wilii copious aiilo	unts of water for in	iteen (13) minutes, and
If electrolyte vapors are	inhalad provide fresh	air and sook modica	Lattentian if recoirs	atory irritation dayslans
Ventilate the contaminat		i ali aliu seek illeulca	ratterition ir respira	itory irritation develops.
ventilate the contaminat	eu alea.			
Section 7- Fire and explosion	on Hazard Data			
Flash Point (Method Used)	Ignition Temp	Flammable Limits	LEL	UEL
N.A.	N.A.	N.A.	N.A.	N.A.
Extinguishing Media				
Carbon Dioxide, Dry	Chemical or Foam exti	nguishers can be used	d for battery BUT w	ater extinguisher is not
suitable.				
Special Fire Fighting Procedu	res			
N.A				
Unusual Fire and Explosion P	rocedures			

Do not dispose of battery in fire – may explode.

Do not short-circuit battery - may cause burns.

Section 8- Accidental Release or Spillage

Steps to Be Taken in Case Material is Released or Spilled

Batteries that are leakage should be handled with rubber gloves.

Avoid direct contact with electrolyte.

Wear protective clothing and positive pressure Self-Contained Breathing Apparatus(SCBA).

Section 9- Handling and Storage

Safe handling and storage advice

Batteries should be handled and stored carefully to avoid short circuits.

Do not store in disorderly fashion, or allow metal objects to be mixed with stored batteries.

Never disassemble a battery.

Do not breathe cell vapors or touch internal material with bare hands.

Keep batteries between -20°C and 35°C for prolong storage.

When the cells are closed to fully charged, the storage temperature should be between -20℃ and 30℃ and should be controlled at 10-20℃ during transportation and packed with efficient air ventilation.

Section 10- Exposure Controls / Person Protection

Occupational Exposure limits: LTEP	STEP
N.A.	N.A.

Respiratory Protection (Specify Type)

N.A.

Ventilation	Local Exhausts	Special		
	N.A.	N.A.		
	Mechanical (General)	Other		
	N.A.	N.A.		
Protective Gloves		Eye Protection		
	N.A.	N.A.		

Other Protective clothing or Equipment

N.A.

Work / Hygienic Practices

N.A.

Section 11- Ecological Information

N.A.

Section 12- Disposal Method

Dispose of batteries according to government regulations.

Section 13- Transportation Information

JYH batteries are exempt from dangerous goods. It is considered non-dangerous goods by the International Civil

Aviation Organization (ICAO), the International Air Transport Association (IATA) DGR 63th IATA Special Provisions A199, S.P.A199 The UN number UN 3496 is only applicable in sea transport. Nickel-metal hydride batteries or nickel-metal hydride battery-powered devices equipment or vehicles having the potential of a dangerous evolution of heat are not subject to these Regulations provided they are prepared for transport so as to prevent

- (a) a short-circuit (e.g. in the case of batteries, by the effective insulation of exposed terminals; or, the case of equipment by disconnection of the battery and protection of exposed terminals); and
- (b) unintentional activation.

The words "Not Restricted" and the Special Provision number must be included in the description of the substance on the Air Waybill as required by 8.2.6 when an Air Waybill is issued. Separate batteries when shipping to prevent short-circuiting. They should be packed in strong packaging for support during transport.

According to International Martine Dangerous Goods Regulations (IMDG) (40-20) Edition special provisions 963, the Ni-MH button cell Ni-MH cells or batteries install in (or packed with) equipments, and the battery in the carriage of goods by a single component does not exceed the total weight of 100 kg, does not apply to any other provisions of this rule of IMDG.

Section 14- Regulatory Information

Special requirement be according to the local regulatories.

Section15- Other Information

The data in this Material Safety Data Sheet relates only to the specific material designated herein.

Section 16- Measures for fire extinction

In case of fire, it is permissible to use Carbon Dioxide, Dry Chemical or Foam extinguishers on the batteries or their packing material. Cool exterior of batteries if exposed to fire to prevent rupture.

Fire fighters should wear self-contained breathing apparatus.