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

Section I – Information of Manufacturer

Manufacturer's Name **LanZhou JinChuan Corun Battery Co.,Ltd.**	**Emergency telephone Number**
Address(Number, Street, City, State, and ZIP Code) Economic Development Zone, HePing, YuZhong County, LanZhou, GanSu Province, China	Telephone Number for information +86) 0931-5246910
	Date of prepared and revision 23 Jan 2014
	Signature of Preparer(optional)

Section II -Hazardous Ingredients/Identity Information

Hazardous Components:

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

Element	Lead	Cadmium	Hexavalent Chromium (Cr6+)	Mercury	Polybrominated Biphenyls (PBBs)	Polybrominated 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 Chromium (Cr6+)	Mercury	Polybrominated Biphenyls (PBBs)	Polybrominated Diphenyl Ethers (PBDEs)
Limit (mg/kg)	<40	<20	<5	<5	Nil	Nil

Element	Ni(OH)2 (Nickel Hydroxide)	30% KOH Solution (Potassium Hydroxide)	30% NaOH Solution (Sodium Hyroxide)	Non-Hazardous Materials
Limit (wt%)	<30%	<20%	<20%	<30%
CAS no.	12054-48-7	1310-58-3	1310-73-2	---

Section III – Physical/Chemical Characteristics

Boiling Point	N.A.	Specific Gravity (H2O=1)	N.A.
Vapor Pressure (mm Hg)	N.A.	Melting Point	N.A.
Vapor Density (AIR=1)	N.A.	Evaporation Rate (Butyl Acetate=1)	N.A.
Solubility in Water	N.A.		
Appearance and Odor:	Cylindrical Shape. odorless		

Section IV – Hazard Classification

Classification N.A.

Section V – Reactivity Data

Stability	Unstable		Conditions to Avoid
	Stable	X	
Incompatibility (Materials to Avoid)			
Hazardous Decomposition or Byproducts			
Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

Section VI – Health Hazard Data

Route(s) of Entry	Inhalation? N.A.	Skin? N.A.	Ingestion? N.A.

Health Hazard (Acute and Chronic) / Toxicological information

In ease of electrolyte leakage, skin will be itchy when contaminated with electrolyte.

In contact with electrolyte can cause severe irritation and chemical burns.

Inhalation of electrolyte vapors may cause irritation of the upper respiratory tract and lungs.

Section VII – First Aid Measures

First Aid Procedures

If electrolyte leakage occurs and makes contact with skin, wash with plenty of water immediately.

If electrolyte comes into contact with eyes, wash with copious amounts of water for fifteen (15) minutes, and contact a physician.

If electrolytes vapors are inhaled, provide fresh air and seek the attention if respiratory irritation develops. Ventilate the contaminated area.

Section VIII – Fire and Explosion 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 Extinguishers

Special Fire Fighting Procedures N.A.

Unusual Fire and Explosion Hazards

Do not dispose of battery in fire – may explode.
Do not short circuit battery – may cause burns.

Section IX – Accidental Release of 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 a positive pressure Self-Contained Breathing Apparatus (SCBA).

Section X – 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 call vapors or touch internal material with bare hands.

Keep batteries between -30 C and 35 C for prolong storage.

Section XI – Exposure Controls / Person Protection

Occupational Exposure Limits: LTEP N.A.		STEP N.A.
Respiratory Protection (Specify Type) :		N.A.
Ventilation	Local Exhausts N.A.	Special N.A.
	Mechanical (General) N.A.	Other N.A.
Protective Gloves N.A.		Eye Protection N.A.
Other Protective Clothing or Equipment		N.A.
Work/Hygienic Practices		N.A.

Economic Development Zone, HePing, YuZhong County, LanZhou, GanSu Province, China
Telephone : (086) 931 5246910
Fax : (086) 931 5246938

Section XII - Ecological Information

N.A.

Section XIII - Disposal Method

Dispose of batteries according to government regulations

Section XIV - Transportation Information

Our Ni-MH battery is not classified dangerous goods by International Air Transport Association (IATA), International Civil Aviation Organization (ICAO), International Maritime Dangerous Goods Regulations (IMDG), U.S. Department of Transportation (DOT).
It can be transported by air and sea usually.
Please pack it in a container which can prevent any damage by high humidity and high temperature.
Please handle the battery so that it is not damaged while transporting.
The batteries are not classified as dangerous under the current edition of the IATA Dangerous Goods Regulation Special Provision A123.
The international Maritime Dangerous Goods Code (IMDG) regulate them for ocean transportation under Special Provision 304 which says : Batteries, dry, containing corrosive electrolyte which will not flow out of the battery if the battery case is cracked are not subject to the requirements of ADR provided the batteries are securely packed and protected against short-circuits.

Section XV - Regulatory Information

Special requirement be according to the local regulations.

Section XVI - Other Information

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

Section XVII – Measures for Fire Extinction

In case of fire, it is permissible to use any class of extinguishing medium on these batteries or their packing material. Cool exterior of batteries if exposed to fire to prevent rupture.
Fire fighters should wear self-contained breathing apparatus.

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