



Material Safety Data Sheet

MSDS Code: EBO1406152-M339
NI-CD RECHARGEABLE BATTERY

Date of Issue: July 3, 2014
Page 1 of 6

1. Identification Of Substance

Product Details

Product Name: NI-CD RECHARGEABLE BATTERY

Product Model:

AA100mAh	AA150mAh	AA200mAh	AA250mAh	AA300mAh
AA350mAh	AA400mAh	AA450mAh	AA500mAh	AA600mAh
AA700mAh	AA800mAh	AA900mAh	AA1000mAh	AA1100mAh
AA1200mAh	AA1300mAh	AA1400mAh	AA1500mAh	AA1600mAh
AA1700mAh	AA1800mAh	AA1900mAh	AA2000mAh	AA2100mAh
AA2200mAh	AA2300mAh	AA2400mAh	AA2500mAh	AA2600mAh
AAA100mAh	AAA150mAh	AAA200mAh	AAA250mAh	AAA300mAh
AAA350mAh	AAA400mAh	AAA450mAh	AAA500mAh	AAA600mAh
AAA700mAh	AAA800mAh	AAA900mAh	AAA1000mAh	2/3AA100mAh
2/3AA150mAh	2/3AA200mAh	2/3AA250mAh	2/3AA300mAh	2/3AA350mAh
2/3AA400mAh	2/3AA450mAh	2/3AA500mAh	2/3AA550mAh	2/3AA600mAh
2/3AAA100mAh	2/3AAA150mAh	2/3AAA200mAh	2/3AAA250mAh	2/3AAA300mAh
2/3AAA350mAh	2/3AAA400mAh	2/3AAA450mAh	2/3AAA500mAh	2/3AAA550mAh
2/3AAA600mAh	4/5AA100mAh	4/5AA200mAh	4/5AA300mAh	4/5AA350mAh
4/5AA400mAh	4/5AA500mAh	4/5AA600mAh	4/5AA700mAh	4/5AA800mAh
4/5AA900mAh	4/5AA1000mAh	4/5AA1100mAh	4/5AA1200mAh	4/5AA1300mAh
4/5AA1400mAh	4/5AA1500mAh	4/5AA1600mAh	4/5AA1700mAh	4/5AA1800mAh
4/5AA1900mAh	4/5SC600mAh	4/5SC700mAh	4/5SC800mAh	4/5SC900mAh
4/5SC1000mAh	4/5SC1100mAh	4/5SC1200mAh	4/5SC1300mAh	4/5SC1400mAh
4/5SC1500mAh	4/5SC1600mAh	4/5SC1700mAh	4/5SC1800mAh	4/5SC1900mAh
4/5SC2000mAh	SC600mAh	SC700mAh	SC800mAh	SC900mAh
SC1000mAh	SC1100mAh	SC1200mAh	SC1300mAh	SC1400mAh
SC1500mAh	SC1600mAh	SC1700mAh	SC1800mAh	SC1900mAh
SC2000mAh	SC2200mAh	SC2400mAh	SC2600mAh	SC2800mAh
SC3000mAh	C1500mAh	C1600mAh	C1700mAh	C1800mAh
C1900mAh	C2000mAh	C2100mAh	C2200mAh	C2300mAh
C2400mAh	C2500mAh	C2600mAh	C2700mAh	C2800mAh
C2900mAh	C3000mAh	C3500mAh	C4000mAh	D3000mAh
D3500mAh	D4000mAh	D4500mAh	D5000mAh	D6000mAh
D7000mAh	D8000mAh			

Manufacturer/Supplier By: HUI XIAN SUNRISE POWER SOURCE CO.,LTD
West Suokelou , Huqiao , Huixian City, Henan ,China



Material Safety Data Sheet

MSDS Code: EBO1406152-M339
NI-CD RECHARGEABLE BATTERY

Date of Issue: July 3, 2014

Page 2 of 6

Tel & Emergency Tel: +86-373-6115988

Fax: +86-373-6115600

2. Composition/Data On Components

COMPONENT	CAS #	% by wt.
Nickel	7440-02-0	16.7%
Cadmium	7440-43-9	26.4%
Iron	7439-89-6	16.7%
Water	7732-18-5	18.3%
K	7440-09-7	9.8%
Na	7440-23-5	

3. Hazards Identification

Hazard description:

A sealed cell/battery is not hazardous in normal use.

In case of mistreatment (abusive charge, reverse charge, external short circuit...) and in case of fault, some electrolyte can leak from the cell through the sealing system. In these cases refer to the risks of potassium hydroxide solution (corrosive, pH > 14). The electrode materials are only hazardous, if the materials are released by mechanical damaging of the cell or if exposed to fire.

4. First aid Measures

Eyes:	Flush the eye gently with plenty of water (at least 15 minutes). Seek for medical assistance.
Skin:	Flush affected areas with plenty of water. Remove contaminated cloth immediately. Seek for medical assistance.
Inhalation:	Fresh air. Seek for medical assistance.
Ingestion:	Drink plenty of water. Avoid vomiting. Seek for medical assistance. No trials for neutralization.

5. Fire Fighting Measures

Extinguishing Media:	Use foam, dry powder or carbon dioxide (CO ₂), as appropriate.
Extinguishing media with limited suitability:	Water is only applicable for incipient fire.
Special Fire-Fighting Procedures:	Self-contained breathing apparatus.



Material Safety Data Sheet

MSDS Code: EBO1406152-M339
NI-CD RECHARGEABLE BATTERY

Date of Issue: July 3, 2014

Page 3 of 6

6. Accidental Release Measures

- Person related measures:** Wear personal protective equipment adapted to the situation (protection gloves, cloth).
- Environment protection measures:** In the event of battery rupture, prevent skin contact and 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.
- Treatment for cleaning:** If battery casing is dismantled, small amounts of electrolyte may leak. Pack the battery including ingredients as described above. Then clean with water (diluted acetic acid may be helpful).

7. Handling And Storage

The batteries 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 forced over-discharge, throw to fire.

Do not crush or puncture the battery, or immerse in liquids.

Precautions to be taken in handling and storing

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

Batteries may explode or cause burns, if disassembled, crushed or exposed to fire or high temperatures.

8. Exposure Controls And Personal Protection

Respiratory protection: If the battery leaks, the need for full ventilation.

Hand Protection: Under normal use, do not.

Personal Protection: Under normal use, do not.

Other protection: Under normal use, do not.

If the battery leaks, must wear the following protection products.

	Respiratory protection	In all fire situations, use self-contained breathing apparatus.
---	-------------------------------	---



Material Safety Data Sheet

MSDS Code: EBO1406152-M339
NI-CD RECHARGEABLE BATTERY

Date of Issue: July 3, 2014

Page 4 of 6

	Hand protection	In the event of leakage wear gloves.
	Eye protection	Safety glasses are recommended during handling.
	Other	In the event of leakage, wear chemical apron.

9. Physical And Chemical Properties

Form:	Solid
Color:	Mixed
Odor:	Odorless
pH:	Not applicable unless individual components exposed.
Flash point:	Not applicable unless individual components exposed.
Flammability:	Not applicable unless individual components exposed.
Relative density:	Not applicable unless individual components exposed.
Solubility (water):	Not applicable unless individual components exposed.
Solubility (other):	Not applicable unless individual components exposed.

10. Stability And Reactivity

Stability:	Stable
Hazardous Decomposition Products:	N/A.
Conditions to Avoid:	Heating, mechanical abuse and electrical abuse.
Hazardous Polymerization:	If leaked, forbidden to contact with strong oxidizers, mineral acids, strong alkalis, halogenated hydrocarbons.

11. Toxicological Information

Inhalation, skin contact and eye contact are possible when the battery is opened.
Exposure to internal contents, the corrosive fumes will be very irritating to skin, eyes and mucous membranes.
Overexposure can cause symptoms of non-fibrotic lung injury and membrane irritation.



Material Safety Data Sheet

MSDS Code: EBO1406152-M339
NI-CD RECHARGEABLE BATTERY

Date of Issue: July 3, 2014

Page 5 of 6

12. Ecological Information

Environmental Impact: Proper use and disposal of the battery will not harm the environment.
Dispose of the battery, away from water, rain and snow.

13. Disposal Considerations

Appropriate Method of Disposal of Substance or Preparation

Dispose of the batteries in accordance with approved local, state, and federal requirements. Consult state environmental agency and/or federal EPA.

14. Transport Information

Nickel-Cadmium batteries (sometimes referred to as "Dry cell" batteries) are not listed as dangerous goods under the International Civil Aviation Organization (ICAO), 2013-2014 edition, International Air Transport Association (IATA), 54th edition and U.S. Department of Transportation (DOT) regulations, 49 CFR. These batteries are not subject to the dangerous goods regulations provided they meet the requirements contained in the following Special Provisions; Special Provision A123 in the ICAO Technical Instructions and IATA Dangerous Goods Regulations and Special Provision 130 of the DOT. These batteries are protected and to prevent short circuits.

In addition, the ICAO and IATA regulations require the words "Not Restricted" and "Special Provision A123" be provided on the air waybill, when an air waybill is issued. By ocean the International Maritime Organization (IMO), 2010 edition, 35th Amendment, does not regulate these batteries.

15. Regulations

Law Information

《Dangerous Goods Regulation》

《Recommendations on the Transport of Dangerous Goods Model Regulations》

《International Maritime Dangerous Goods》

《Technical Instructions for the Safe Transport of Dangerous Goods》

《Classification and code of dangerous goods》

OSHA Hazard Communication Standard Status

Toxic Substances Control Act (TSCA) Status

SARA Title III

RCRA

In accordance with all Federal, State and Local laws



Material Safety Data Sheet

MSDS Code: EBO1406152-M339
NI-CD RECHARGEABLE BATTERY

Date of Issue: July 3, 2014

Page 6 of 6

16. Other Information

The above information is based on the data of which we are aware and is believed to be correct as of the data hereof. Since this information may be applied under conditions beyond our control and with which may be unfamiliar and since data made available subsequent to the data hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.



Scan to verify
扫一扫验真伪



Scan to Apply
亿博检测官网