

MSDS Report

Name of sample: NI-MH RECHARGEABLE BATTERY

Client unit: SUNRISE POWER SOURCE (HUIXIAN) CO., LTD.

Address: WEST SUCKELOU, HUQIAO, HUIXIAN CITY,
HENAN, CHINA

Inspected by:



Kevin Yu

Date:

September 30, 2011



Report in electronic version is only for client's preview and reference.
For confirmative content, formal test report shall prevail.

Material Safety Data Sheet

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1 Identification of substance:**Product details****Product name:** NI-MH RECHARGEABLE BATTERY**Product information:**

Product Model No: 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, 2/3AA500mAh, 2/3AA600mAh, 2/3AA700mAh, 2/3AA800mAh, 2/3AA900mAh, 2/3AAA100mAh, 2/3AAA150mAh, 2/3AAA200mAh, 2/3AAA250mAh, 2/3AAA300mAh, 2/3AAA350mAh, 2/3AAA400mAh, 2/3AAA500mAh, 2/3AAA600mAh, SC600mAh, SC700mAh, SC800mAh, SC900mAh, SC1000mAh, SC1100mAh, SC1200mAh, SC1300mAh, SC1400mAh, SC1500mAh, SC1600mAh, SC1800mAh, SC2000mAh, SC2200mAh, SC2400mAh, SC2600mAh, SC2800mAh, SC3000mAh, C2000mAh, C2500mAh, C3000mAh, C3500mAh, C4000mAh, C4500mAh, D5000mAh, D6000mAh, D7000mAh, D8000mAh

Product End Uses: OUR BATTERIES ARE MAINLY APPLIED TO CORDLESS PHONES, WALKMANS, SOLAR LIGHTS, ELECTRICAL DRILLS, SHAVERS, EMERGENCY LIGHTS, AND BACK-UP POWER, ETC.

Manufacturer/Supplier:

SUNRISE POWER SOURCE (HUXIAN) CO., LTD.

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MSDS Code: CHE11-MAE090263M

2 Composition/information on ingredients**Chemical characterization:****Description : (CAS#)**

7440-02-0	Nickel	20%
/	Alloy powder	26.4%
7440-49-4	Cobalt	1.1%
14518-69-5	Na	9.5%
7439-89-6	Iron	16.7%
7732-18-5	Water	18.3%
/	Other	7.7%

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Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

After eye contact:

Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing:

If symptoms persist consult doctor.

5 Fire – fighting measures**Suitable extinguishing agents:**CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Use fire fighting measures that suit the environment.

Special hazards caused by the material, its products of combustion or resulting gases:

Emits toxic fumes under fire conditions

Protective equipment: Wear self-contained respiratory protective device.**6 Accidental release measures****Person-related safety precautions:**

Wear protective equipment. Keep unprotected persons away.

Measures for environmental protection:

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

Measures for cleaning/collecting:

Dispose contaminated material as waste according to item 13.

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Trade name: Ni-MH RECHARGEABLE BATTERY**Has to be observed:****Eye protection: Tightly sealed goggles****9 Physical and chemical properties:****General information****Form: Solid****Color: Mixed****Odor: Odorless****Change in condition****Melting point/Melting range: Not determined****Boiling point/Boiling range: Not determined****Sublimation temperature / start: Not determined****Flash point: Not applicable****Ignition temperature: Not determined****Decomposition temperature: Not determined****Danger of explosion: Product does not present an explosion hazard****Explosion limits:****Lower: Not determined****Upper: Not determined****Vapor pressure: Not determined****Viscosity: Not determined****Density: Not determined****Solubility in / Miscibility with Water: Insoluble****10 Stability and reactivity****Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.****Dangerous reactions: No dangerous reactions known.****Dangerous products of decomposition: No dangerous decomposition products known.**

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as to prevent a short-circuit (e.g. in the case of batteries, by the effective insulation of exposed Terminals; or in the case of equipment, by disconnection of the battery and protection of exposed terminals) is forbidden from transportation. 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 provisions of this Code provided the batteries are securely packed and protected against short-circuits. Examples of such batteries are: alkaline-manganese, zinc-carbon, and nickel metal hydride and nickel-cadmium batteries".

The requirements for shipping these batteries, in all modes of transportation, are that they be separated from each other to prevent short-circuits and to prevent movement that could lead to short-circuits. Products must also be packed in strong packaging that can withstand the rigors normal to transportation.

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)
- (Occupational Safety and Health Act) (OSHA)
- (Toxic Substances Control Act) (TSCA)
- (Consumer Product Safety Act) (CPSA)
- (Federal Environmental Pollution Control Act) (FEPCA)
- (The Oil Pollution Act) (OPA)
- (Superfund Amendments and Reauthorization Act Title III(302/311/312/313)) (SARA)
- (Resource Conservation and Recovery Act) (RCRA)
- (Safety Drinking Water Act) (SDWA)
- (California Proposition 65)
- (Code of Federal Regulations) (CFR)

In accordance with all Federal, State and Local laws.

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 date 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 date 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.