

Safety Data Sheet

Date of Issue: Jan.-03-2019

File No.:LN20181229SDS03

1. IDENTIFICATION

Product Identifier

Name of Product: NI-MH Battery

Other means of identification

Product Models: AA 1200mAh

Nominal Voltage: 1.2V

Nominal capacity:1200mAh

Nominal power: 1.44Wh

Weight: 21.7 g

Recommended use of the chemical and restriction on use

Recommended Use: NI-MH Battery

Restriction On Use: No information available

Information Of Supplier:

Company Name: ShenZhen EPT Battery Co., Ltd

Address: Building 3, Huancheng Industrial Park, No. 41 Dalang north road, Dalang, Longhua District, Shenzhen, China

Zip code: 518109

Contact person: Song Zhijun

Tel:+86- 0755-28078063

E-mail: caichuanfu@ept-battery.com

Emergency Telephone

+86- 0755-28078063

2. Hazard(s) Identification

Classification:

This is a battery. In case of rupture:.

Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2A
Carcinogenicity	Category 2
Specific target organ toxicity (repeated exposure)	Category 1

GHS Label elements, including precautionary statements:

Signal word:Danger

Hazard statements :

This is a battery. In case of rupture:.

Causes skin irritation

Causes serious eye irritation

Suspected of causing cancer

Causes damage to organs through prolonged or repeated exposure

Precautionary Statements - Prevention:

Obtain special instructions before use



Safety Data Sheet

Date of Issue: Jan.-03-2019

File No.:LN20181229SDS03

Do not handle until all safety precautions have been read and understood

Wear protective gloves/protective clothing/eye protection/face protection

Wash face, hands and any exposed skin thoroughly after handling

Do not breathe dust/fume/gas/mist/vapors/spray

Do not eat, drink or smoke when using this product

Precautionary Statements - Response:

IF exposed or concerned: Get medical advice/attention

Specific treatment (see supplemental first aid instructions on this label)

Eyes:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing If eye irritation persists: Get medical advice/attention

Skin:

IF ON SKIN: Wash with plenty of water and soap

If skin irritation occurs: Get medical advice/attention

Take off contaminated clothing and wash it before reuse

Precautionary Statements - Storage:

Store locked up

Precautionary Statements - Disposal:

Dispose of contents/container to an approved waste disposal plant

Other information

Very toxic to aquatic life with long lasting effects

Unknown acute toxicity :

30.9 % of the mixture consists of ingredient(s) of unknown toxicity

30.9 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

30.9 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

30.9 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

30.9 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

30.9 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

3. Composition/ Information on Ingredients

Chemical Name	CAS No.	Weigh%
Nickel Hydroxide	12054-48-7	24.91%
Nickel	7440-02-0	23.21%
Iron	7439-89-6	20.93%
Lanthanum	7439-91-0	5.97%
Cerium	7440-45-1	3.25%
Pure water	7732-18-5	7.41%
Cobalt	7440-48-4	3.27%
Nylon-66	32131-17-2	0.68%
Potassium hydroxide	1310-58-3	2.89%
Polipropene	9003-07-0	7.21%
Asphalt	8052-42-4	0.27%

4. First Aid Measures

General Advice

Safety Data Sheet

Date of Issue: Jan.-03-2019

File No.:LN20181229SDS03

First aid is Applicable only in the case of cell rupture.

Skin Contact:

Washing immediately with plenty of water and soap for at least 15 minutes. In the case of skin irritation or allergic reaction see a physician.

Eye contact:

If symptoms persist, call a physician. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Remove contact lenses, if present and easy to do. Continue rinsing. Do not rub affected area.

Inhalation of Vented Gas:

Remove to fresh air. If symptoms persist, call a physician. Get medical attention immediately if symptoms occur.

Ingestion:

Do not induce vomiting. Rinse mouth immediately and drink plenty of water. Call a physician or poison control center immediately.

Most important symptoms and effects, both acute and delayed

Contact with internal components may cause allergic skin sensitizations (rash) and irritate eyes, nose, throat, respiratory system. Cobalt and cobalt compounds are considered to be possible human carcinogen(s).

Indication of any immediate medical attention and special treatment needed

No information available

5. Fire –Fighting Measures

Suitable Extinguishing Media

Use foam, dry powder or dry sand, CO₂ as appropriate.

Unsuitable Extinguishing Media:

CAUTION: Use of water spray when fighting fire may be inefficient.

Specific Hazards Arising from the chemical

Under fire conditions, batteries may burst and release hazardous decomposition products when exposed to fire situation. This could result in the release of flammable or corrosion materials.

Hazardous Combustion product:

CO, CO₂, Metals oxides, Irritating fumes.

Protective equipment and precautions for firefighters

Firefighters must wear fire resistant protective equipment and appropriate breathing apparatus. The staff must wear equipment filtermask (full mask) or isolated breathing apparatus. The staff must wear the clothes which can defend the fire and the toxic gases. Put out the fire in the upwind direction. Remove the container to open space as soon as possible. Spray water on the containers in the fireplace to keep them cool until finish extinguishment.

6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

If the battery material 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, dispose the case after the batteries cool and vapors dissipate. Provide maximum ventilation. Avoid contact with skin, eyes or inhalation of vapors.

Methods for containment

Prevent further leakage or spillage if safe to do so.

Safety Data Sheet

Date of Issue: Jan.-03-2019

File No.:LN20181229SDS03

Methods for cleaning up

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.

7. Handling and Storage

Precaution for safe handling

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 charge the battery, forced over-discharge, throw to fire. Do not crush or puncture the battery, or immerse in liquids. Do not short or install with incorrect polarity.

Conditions for safe storage, including any incompatibilities

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.

Incompatible products: Strong acids.Strong oxidizing agent.

8. Exposure Controls/Personal Protection

Appropriate engineering controls

In case of battery venting, provide as much ventilation as possible. Avoid confined areas with venting batteries. Do not install these batteries in sealed, unventilated areas. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Individual protection measures

Respiratory protection:

No personal respiratory protective equipment normally required. In case of inadequate ventilation wear respiratory protection

Eye /face protection:

No personal protective equipment normally required.

Skin protection:

Wear protective clothing to prevent contact

Hand protection:

Wear protective gloves

9. Physical and Chemical Properties

Physical State: Solid

Odor: Odorless

Odor Threshold: No information available

pH: No data available

Melting/freezing point: No data available

Boiling point/boiling range: No data available

Flash Point:No data available

Evaporation Rate:No data available

Safety Data Sheet

Date of Issue: Jan.-03-2019

File No.:LN20181229SDS03

Flammability(Solid, gas):No data available

Flammability Limit in Air:

Upper flammability limit:No data available

Lower flammability limit:No data available

Vapor pressure:No data available

Vapor density:No data available

Specific Gravity:No data available

Solubility: Insoluble in water

Partition coefficient:n-octanol/water: No data available

Autoignition temperature:No data available

Decomposition temperature:No data available

Kinematic viscosity:No data available

Dynamic viscosity:No data available

10. Stability and Reactivity

Reactivity:

Stable under recommended storage and handling conditions.e

Chemical stability:

Stable under recommended storage conditions.

Possibility of Hazardous Reactions:

When exposed to fire or extreme heat, batteries may emit toxic fumes

Conditions to avoid:

Do not subject battery to mechanical shock. Keep away from open flames, high temperature.

Incompatible materials:

Strong acids, strong oxidizing agents.

Hazardous decomposition products:

Under fire conditions, the electrode materials can form carcinogenic cobalt oxides .

11. Toxicological Information

Information on likely routes of exposure

Inhalation:

Inhalation of a large number of vapors or fumes released due to heat may cause respiratory.

Eye Contact:

Contact with battery electrolyte may cause burns. Eye damage is possible.

Skin Contact:

Contact with battery electrolyte may cause burns and skin irritation.

Ingestion:

No effect under routine handling and use for sealed battery. Exposure to internal contents may cause irritation.

Information on toxicological characteristics

Safety Data Sheet

Date of Issue: Jan.-03-2019

File No.:LN20181229SDS03

Acute toxicity:

No data available.

Skin corrosion/irritation:

The liquid in the battery irritates.

Serious eye damage/ irritation:

The liquid in the battery irritates.

Respiratory sensitization:

The liquid in the battery may cause sensitization to some person.

Skin sensitization:

The liquid in the battery may cause sensitization to some person.

Carcinogenicity:

Cobalt and Cobalt compounds are considered to be possible human carcinogen(s)

Germ Cell Mutagenicity:

No data available.

Reproductive Toxicity:

No data available.

STOT-single Exposure:

No data available.

STOT-repeated Exposure:

No data available.

Aspiration Hazard:

No data available.

12. Ecological Information

Ecotoxicity:

No information available

Persistence and Degradability:

No information available

Bioaccumulation:

No information available

Other adverse effects:

When promptly used or disposed the battery does not present environmental hazard. When disposed, keep away from water, rain and snow

13. Disposal Considerations

Waste treatment methods**Disposal methods:**

Should not be released into the environment.

Contaminated Packaging:

Dispose of in accordance with federal, state and local regulations.

14. Transportation Information

The product is not regulated as a hazardous material for transportation. (ST/SG/AC.10/1/ Rev.19; IMDG CODE 38-16 edition; IATA DGR 59th edition)

Safety Data Sheet

Date of Issue: Jan.-03-2019

File No.:LN20181229SDS03

UN number: Not applicable.

UN Proper shipping name: Not applicable.

Transport hazard class(es): Not applicable.

Packing group (if applicable): Not applicable.

Marine pollutant (Yes/No): No

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Not applicable.

Special precautions: Batteries must 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. Regulatory information

OSHA hazard communication standard (29 CFR 1910.1200)

Hazardous _____ Non-hazardous

16. Other Information

Preparation and revision

Prepared By: Guangzhou CP-UP Certification Technology Service Co., Ltd.

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Revision Note : No information available

Disclaimer

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