



Material Safety Data Sheet (MSDS)

(EU) 2020/878 Amending Annex II to Regulation (EC)No 1907/2006 (REACH)

Company Name : Neata Battery Manufacture Co., Ltd.
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Signed for and on behalf of AZT



Jack Zhong





Section 1: Identification of the substance /mixture and of the company/undertaking

1.1. Product identifier

Product Name Sealed Lead-Acid Battery

Tested model NT12-7.0

NT2-4, NT2-4.5, NT2-5, NT2-6, NT4-3.0, NT4-3.2, NT4-3.5, NT4-4, NT4-4.5, NT4-5.0, NT4-5.5, NT4-6.0, NT4-6.5, NT4-7.0, , NT4-7.5, NT4-8.0, NT4-8.5, NT4-9.0, NT4-10, NT6-1.0, NT6-1.2, NT6-1.3, NT6-1.5, NT6-2.0, NT6-2.5, NT6-2.3, NT6-2.8, NT6-3.0, NT6-3.2, NT6-3.3, NT6-3.5, NT6-4(3),NT6-4, NT6-4.5, NT6-4.5(4),NT6-5.0, NT6-5.2, NT6-5.5, NT6-6.0, NT6-6.5, NT6-6.8, NT6-7.0, NT6-7(5), NT6-7.2, NT6-7.5, NT6-8.0, NT6-8.5, NT6-9.0, NT6-10, NT6-12, NT6-14, NT6-15, NT6-20, NT6-40, NT6-50, NT6-100, NT6-120, NT6-150, NT6-180, NT6-200, NT6-220, NT6-250, NT6-300, NT12-0.8, NT12-1.0, NT12-1.2, NT12-1.3, NT12-1.5, NT12-2.0, NT12-2.3, NT12-2.6, NT12-2.8, NT12-3, NT12-3.2, NT12-3.3, NT12-3.5, NT12-4.0, NT12-4.5, NT12-5, NT12-5.2, NT12-5.5, NT12-6.0, NT12-6.5, NT12-7.0, NT12-7(5.5),NT12-7.2, NT12-7.5, NT12-8.0, NT12-8.5, NT12-9.0, NT12-10, NT12-12, NT12-13, NT12-14, NT12-15, NT12-17, NT12-18, NT12-20, NT12-22, NT12-24, NT12-26, NT12-28, NT12-30, NT12-33, NT12-35, NT12-38, NT12-40, NT12-42, NT12-45, NT12-50, NT12-55, NT12-60, NT12-65, NT12-70, NT12-75, NT12-80, NT12-85, NT12-90, NT12-95, NT12-98,NT12-100, NT12-110,NT12-115, NT12-120, NT12-130, NT12-134,NT12-135, NT12-138,NT12-145, NT12-150, NT12-160, NT12-170, NT12-180, NT12-200, NT12-220, NT12-250, NT12-260, NT12-300, NT2-50, NT2-100, NT2-150, NT2-200, NT2-250, NT2-300, NT2-350, NT2-400, NT2-450, NT2-500, NT2-600, NT2-650, NT2-800, NT2-900, NT2-1000, NT2-1500, NT2-1800, NT2-2000, NT2-2500, NT2-3000, NTF12-55, NTF12-75, NTF12-100, NTF12-105, NTF12-120, NTF12-150, NTF12-170,NTF12-180, NTF12-200.24V5, 24V7,24V9,AKEP-BAT98_01,AKEPBAT115_01,AKEP_SC12-138,AKEP-SLBAT170_02, AKEP-SLBAT120_02

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use N/A

Uses advised N/A

against

1.3. Details of the manufacturer of the safety data sheet

Manufacturer Neata Battery Manufacture Co., Ltd.

Address No.5, West Fifth Street, Zhenxi Road, West District, Xiaolan Town, ZhongshanCity, Guangdong Province

1.4. Emergency telephone number

N/A





Section 2: Hazards identification

Fatalness grade: Basically non-toxic for itself. But exposure to the ingredients contained or their ingredients products could be dangerous.

Invasion route:

Skin contact There will be no dangerous during normal use. But contacting battery electrolyte, may cause severe irritation or burns.

Eye contact There will be no dangerous during normal use. But contacting battery electrolyte, can stimulate or burn the eyes. Even possible damage to the eyes.

Inhalation There will be no dangerous during normal use. But breathe in a large number of batteries, or heat released from the gas, it will stimulate the respiratory tract and eyes.

Ingestion Ingestion of internal chemical materials may cause mouth, throat and intestinal irritation and damage. Get medical aid.

Health hazards:

The battery pack is stored in a sealed tank. When the battery or the occurrence of mechanical collisions are likely to lead to the leakage of chemical substances in the battery. Skin and eyes should avoid contact with electrolyte or extruded battery.

Environment hazards:

Ingredients contained or their ingredients products could be harmful to environment.

Burn & burst danger:

If heated strongly by the surrounding fire, acrid gas and flammable gas may be emitted and may cause explode dangerous.

Section 3: Composition/information on ingredients

3.1. Composition:

Chemical Name	CAS No.	EC No.	Content (%)
Positive plate (PbO ₂)	1309-90-0	215-174-5	35
Negative plate (Pb)	7439-92-1	231-100-4	35
ABS	9003-56-9	618-371-8	5
Dilute sulphuric acid (H ₂ SO ₄)	7664-93-9	231-639-5	20
Glass Fiber (AGM)	65997-17-3	920-837-3	4.5
Terminal, glue, etc.	7440-80-8、61788-97-4	--	0.5





Section 4: First aid measures

4.1. Description of first aid measures

General advice

The cell is not hazard with eye and skin contact under normal circumstance. In case of the enclosure is damaged, the cell can not be sued and touched. It is safety except that the cell is damaged by fired or rupture. The leakage of internal hazardous substance and formation of hazardous substance would occur, take the following measures if contact with the cell.

Skin touch: Wash with plenty of soap and water. If the skin is irritable, get medical aid.

Eyes touch: Lifting the upper and lower eyelids, flush the eyes with plenty of water or saline water. Get medical aid.

Inhalation: If exposure to fumes from overheating, move to fresh air immediately. Keep the respiratory tract smooth. Use oxygen if available. Get medical aid. .

Ingestion: Rinse mouth out with water. Get medical aid immediately.

Section 5: Firefighting measures

5.1. Fire extinguishing agent:

Dry powder, carbon dioxide, sand.

5.2. Special hazards:

Meet high fever, flame, there may cause explode danger.

5.3. Hazardous combustion products:

Carbon monoxide, carbon dioxide, metal oxide, irritating smoke, etc.

5.4. Fire extinguishing precautions and protective measures:

The staff must equip with filtermask (full mask) or isolated breathing apparatus. The staff must wear the clothes which can defense the fire and the toxic gas. Put out the fire in the upwind direction.

Remove the container to the open space as soon as possible. Avoid using direct streams of water of foam on molten burning material as it may scatter and spread the fire.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

If the cell 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 and allow the vapors to dissipate. Avoid skin and eyes contact or inhalation of vapors. Remove spilled liquid with absorbent and incinerated. If leakage of the cell happens, liquid could be absorbed with sand, earth or other inert substance and contaminated area should be ventilated meantime.

6.2. Environmental precautions

Collect leaked materials to avoid polluting the environment. Prevent leakage from entering sewers, surface water, and groundwater.

6.3. Methods and material for containment

Stop the leak if safe to do so. Contain the spilled liquid with dry sand or earth. Clean up spills immediately.

6.4. Methods and materials for cleaning up

Absorb spilled material with an inert absorbent (dry sand or earth). Scoop contaminated absorbent into an acceptable waste container. Collect all contaminated absorbent and dispose of according to directions in Section 13. Scrub the area with detergent and water; collect all contaminated wash water for proper disposal.





Section 7- Handling and Storage

7.1. Precautions for safe handling

Avoid mechanical damage or battery power abuse. Don't make the battery short. Don't hit or puncture the battery, or immerse the battery in the liquid. Don't disassemble the battery or the battery into the fire. Don't store together with the metal, or make the positive and negative pole short.

7.2. Conditions for safe storage, including any incompatibilities

Stored in a cool, dry, ventilated place with small change temperature. Don't store batteries in high temperature places with fire source. Don't expose the batteries directly to the sun for a long time.

Section 8- Exposure Controls/Personal Protection

8.1. Control parameters

No information available.

8.2. Exposure controls

Engineering Controls

Use with local exhaust ventilation. Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye/face protection	None required under normal conditions. Use approved chemical work safety goggles or face shield, if handling a leaking or rupture cell.
Hand Protection	No necessary under normal use. In case of spilling, use PVC, neoprene or nitrile gloves of 15 miles(0.015 inch) or thicker.
Skin and body protection	No necessary under normal use. Use rubber apron and protective working in case of handling of a rupture cell.
Respiratory protection	No necessary under normal use. In case electrolyte leakage from the cell, protect hand with chemical resistant rubber gloves. If cell is burning , leave the area immediately.
Other Protections	Chemical resistance clothing is recommended along with eye wash station and safety shower should be available. Work hygienic practices: Use good chemical hygiene practice. Wash hands after use and before drinking, eating or smoking. Wash hands thoroughly after cleaning-up component spill caused by leaking cell. No eating, drinking, or smoking in cell storage area.

Environmental exposure controls

Do not allow into any sewer, on the ground or into any body of water





Section 9- Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Sealed Lead-Acid Battery
Color	Black
Odor	No information available.
Odor Threshold	No information available.
pH	No information available.
Melting point/freezing point	No information available.
Boiling point / boiling range	No information available.
Flash point	No information available.
Evaporation rate	No information available.
Flammability (solid, gas)	No information available.

9.2. Other information

No information available.

Section 10- Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

Fire, high temperature.

10.5. Incompatible materials

Strong oxidizing agents. Strong acids. Strong bases.

10.6. Hazardous decomposition products

None under normal use conditions





Section 11 - Toxicological Information

11.1. Information on toxicological effects

Acute toxicity

No information available.

Skin corrosion/irritation

No information available.

Serious eye damage/eye irritation

No information available.

Sensitization

No sensitization responses were observed.

Germ cell mutagenicity

No information available.

Carcinogenicity

No information available.

Reproductive toxicity

No information available.

STOT - single exposure

No information available.

STOT - repeated exposure

No information available.

Others

The material in the battery is sealed, and when the user uses the battery according to the instructions, the possibility of the internal solution leakage is negligible. However, the battery abuse will cause the battery internal solution leakage possibly.

Section 12- Ecological Information

12.1. Toxicity

No information available.

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

Chemical Name

Partition coefficient (LogPow)

No information available.

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

No information available.





Section 13- Disposal Considerations

13.1. Waste treatment methods

Waste from residues/unused products Disposal should be in accordance with applicable regional, national and local laws and regulations

Waste disposal methods

1. Disposal of the cell should be performed by permitted, professional disposal firms knowledgeable in federal, state or local requirements of hazardous waste treatment and hazardous waste transportation.
2. Incineration should never be performed by cell used. The batteries contained recyclable materials. Recycling options available in your local area should be considered when disposing of this product, through licensed waste carrier.
3. The cell should have their terminal insulated in order to prevent short circuits during transportation to the disposal site.

Note: Consult your local or region authorities, disposal maybe subject to national, state, or local laws.

Section 14 – Transport Information

14.1 UN Number No information available.

14.2 Proper shipping name No information available.

14.3 Hazard Class No information available.

14.4 Packing Group No information available.

14.5 Environmental hazards No information available.

14.6 Label for conveyance No information available.

Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises.

14.7. Transport Attentions

Ensure that the product is not prone to leakage or spill during transportation, and ensure that the product will not collapse, fall or be damaged. Prevent the product from collapsing during transportation, and do not transport the product in rainy days. Containers must be handled with care to avoid collisions. Based on the above considerations, shipping categories are handled in accordance with the International Maritime Organization (IMO) IMDG Regulations. Under Special Regulation 238, non-restrictive goods conditions may apply.

Air transport may be carried in accordance with the packing instructions prescribed by the International Air Transport Association, DGR(PI), pi806.

We hereby certify that all series of EverExceed maintainable rechargeable sealed lead-acid batteries meet the UN2800 classification of "Batteries, spill-proofing and storage" and have passed the vibration and differential pressure tests described in DOT[49 CFR 173.159(d)] and IATA/ICAO[Special Clause A67].

EverExceed batteries that meet the relevant conditions are not subject to DOT and IATA/ICAO dangerous goods transport regulations and are therefore not subject to any party Type of transportation restrictions.

Section 15- Regulatory information

Regulatory Information:

ISO 11014-2009 Safety data sheet for chemical products - Content and order of sections.

(EU) 2020/878 Amending Annex II to Regulation (EC) No 1907/2006 (REACH) - Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).

Regulation(EC) No 1272/2008 Classification, Labelling and Packaging of Substances and Mixtures [CLP] .



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