Material Safety Data Sheets

Section 1 - Product and Company Identification

Product Identification: Valve Regulated Lead Acid Batteries

Trade Name:

Supplier Name: GUANGZHOU TIANCHANG TECHNOLOGY CO.,LTD

Supplier Address: Room 101,No.9, flrst road, quanxibeilndustrial Zone, Jianggao Town, BaiyunDistrict, Guangzhou

Manufacturer Name: HUIZHOU TIANCHANG TECHNOLOGY CO.,LTD

Manufacturer Address: Xialiao industry park, Longxi Town, Boluo county, Huizhou Guangdong

Sample Model: 12V4.5AH
2V50-3000AH, 6V1.2-200AH,12V0.8-250AH

Contact Person: Mr.Zheng

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Signed for and on behalf of

DONGGUAN BST TESTING CO.,LTD APPROVED

King Mei / Approved Signatory

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Section 2 – Composition/Information on Ingredients

Ingredient Name: Valve Regulated Lead Acid Batteries

The difference between the single product and mixture: mixture

Chemical Name:

Constitutes:

Chemical Name	CAS No.	Content/%
Acrylonitrile-butadiene-styrene terpolymer	9003-56-9	15
Lead	7439-92-1	75
Sulfuric acid	7664-93-9	7
Glass,oxide,chemicals	65997-17-3	3

Section 3 - Hazards Identification information

Invasion Route: eyes, skin contact, ingestion

Health Hazards: The Valve-regulated lead-acid batteries are not hazardous when used according to the instructions of manufacturer under normal conditions. In case of abuse, there's risk of rupture, fire, heat, leakage of internal components, with could cause casualty loss. Contact with internal components may cause irritation or burns to eyes and skin. Abuses include but not limited to the following cases: charged for long time, short circuited, put into fire, whacked with hard object, punctured with acute object, crushed, and broken.

Environmental Hazard: The internal electrolyte may cause adverse environmental impacts

The Danger of Burning and Exploding: May occur fire or explosion in high temperature or short circuit.

Section 4 - First Aid Measures

First Aid: Eyes: Flush eyes with plenty of water for at least 15 minutes, occasionly lifting the upper and lower eyelids. Get medical attention.

Skin: Remove contaminated clothes and rinse skin with plenty of water or shower for 15 minutes. Get medical attention.

Inhalation: Remove from exposure and move to fresh air immediately. Use oxygen if available.

Ingestion: Give at least 2 glasses of milk or water. Include vomiting unless patient is unconscious. Call a physician.

Section 5 - Fire Fighting Measures

SUITABLE /UNS UITABLEEXTING UISHING MEDIA:

Dry chemical, carbon dioxide, water, foam. Do not use water on live electrical circuits.

SPECIAL FIRE FIGHTING PROCEDURES & PROTECTIVE EQUIPMENT:

Use appropriate media for surrounding fire. Do not use carbon dioxide directly on cells. Avoid breathing vapors. Use full protective equipment (bunker gear) and self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Batteries evolve flammable hydrogen gas during charging and may increase fire risk in poorly ventilated areas near sparks excessive heat or open flames.

SPECIFIC HAZARDS IN CASE OF FIRE:

Thermal shock may cause battery case to crack open. Containers may explode when heated. Additional Information: Firefighting water runoff and dilution water may be toxic and corrosive and may cause adverse environmental impacts.

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Section 6 - Accidental Release Measures

Steps to be taken in case Material is Released or Spilled: If the battery material is released, remove personnel from area until fumes dissipate. Provide maximum ventilation to clear out hazardous gases. Wipe it up with a cloth, and dispose of it in a plastic bag and put into a steel can. The preferred response is to leave the area and allow the battery to cool and vapors to dissipate. Provide maximum ventilation. Avoid skin and eye contact or inhalation of vapors. Remove spilled liquid with absorbent and incinerare.

Waste disposal method：It is recommended to discharge the battery to the end, handing in the abandoned batteries to related department unified, dispose of the batteries in accordance with approved local, state, and federal requirements. Consult state environment protection agency and/or federal EPA.

Section 7 - Handling and Storage

The battery 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.

If the battery material is released, remove personnel from area until fumes dissipate. Provide maximum ventilation to clear out hazardous gases. Wipe it up with a cloth, and dispose of it in a plastic bag and put into a steel can. The preferred response is to leave the area and allow the battery to cool and vapors to dissipate, Provide maximum ventilation. Avoid skin and eye contact or inhalation of vapors, Remove spilled liquid with absorbent and incinerate. Do not short circuit terminals, or over charge the battery, 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: The battery may explode or cause burns, if disassembled, crushed or exposed to fire or high temperatures. Do not short or install with incorrect polarity.

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Section 8 - Exposure Controls & Personal Protection

Repiratory Protection: In case of battery venting, provide as much ventilation as possible. Avoid confined areas with venting cell cores. Respiratory protection is not necessary under conditions of normal use.
Ventilation: Not necessary under conditions of normal use. **Protective Gloves:** Not necessary under conditions of normal use
Other Protective Clothing or Equipment:
Not necessary under conditions of normal use. **Personal Protection is recommended for venting battery:** Respiratory protection, protective Gloves, protective clothing and safety glass with side shields

Section 9 - Physical & Chemical Properties

Substance estate: mixture
Shape: solid
Size:
Nominal voltage: 7AH, 12V

Section 10 - Stability & Reactivity Data

Chemical Stability: Stable. **Conditions to Avoid:** Incompatible materials, exposure to moist air or water. **Incompatibilities with Other Materials:** Strong oxidizing agents, strong acids, strong bases, alkali metals, metallic salts. **Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide. **Hazardous Polymerization:** Has not been reported.

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Section 11 - Toxicological Information

Toxicological Information:

N/P

Section 12 - Ecological Information

Ecological Information:

N/P

Section 13 - Disposal Considerations

Waste Disposal Methods:

Dispose Of Collected Material In Accordance With Local, State And Federal Regs.

Section 14 - Transport Information

Label for conveyance:N/A

UN Number:2800

Transport hazard class(es):8

Transport group:--

Marine pollutant: No

UN Proper shipping name: Batteries,wet,non-spillable

Transport information:

This goods shall be considered Not RESTRICTED Goods and need to be complied with the requirements of Packing Instruction 872 of special provision A67 of 61th DGR Manual of IATA or special provision 238 of IMDG CODE (Amdt.39-18).

The words "Not Restricted" and the Special Provision number must be included in the description of the

substance on the Air or Sea Waybill.

Transport Fashion: By air,by sea ,by railway ,by road.

All NEATA Valve Regulated Lead-ACID Rechargeable batteries conform to the UN2800 lassification as"Batteries,wet,Non-Spillable,and electric storage" as a result the Vibration and Pressure Differential Test described in D.O.T.,49CFR173.159(d),and IMO/IMDG,and ICAO/IATA packing instruction 806 and note A67. The batteries are not restricted to IMO/IMDG code according to special provision 238.

NEATA Batteries having met the ralated conditiongs are EXEMPT from hazardous goods regulations for the purpose of transportation by DOT,and IATA/ICAO,and therefore are unrestricted for transportation by any means.For all modes of transportation, each battery outer package is labeled"NON-SPILLABLE",All our Batteries are marked non-spillable.

Section 15 - Regulatory Information

LAW Information: 《Dangerous Goods Regulation》

《Recommendations on the Transport Of Dangerous Goods Model Regulations》

《International Maritime Dangerous Goods》

《Technical Instrctions for the Safe Transport of Dangerous Goods》

《Classification and code of dangerous goods》

OSHA Hazard Commumication Standard Status

Toxic Substances Control Act（TSCA）Status

SARA Title III

RCRA

U.S. Federal Regulations

European/International Regulations

In accordance with all Federal, State and Local laws.

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Section 16 - Other Information

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 result 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.

BST confirmed the ninth item, the above content as reference information only. Please the user according to the demand to judge it usability. BST has no any responsibility.

END