



Pony Testing International Group

Report No.: 15102307-021~4

MSDS Report

Samples VALVE REGULATED LEAD ACID BATTERY

Client Unit

Client Address

WENGLIANG INDUSTRIAL PARK
WUJIANG DISTRICT, SUZHOU CITY, JIANGSU PROVINCE

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Pony Testing International Group

www.ponytest.com Hotline 400-819-5688

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声 明 Statement

1. 本《检测报告》无 PONY 专用章和批准人签章无效。

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2. 委托单位对检测结果如有异议, 请于《检测报告》完成之日起十五日内向本检测单位书面提出复检申请, 同时附上《检测报告》原件并预付复检费。

If the applicant has any questions about the results, shall provide written retest application the original report and retest fees to PONY within fifteen days from the approval date.

3. 委托单位办理完毕以上手续后, 本检测单位会尽快安排复检。如果复检结果与异议内容相符, 本检测单位将退还委托单位的检测费和复检费, 否则委托单位的复检费应照常交纳。

After the applicant finishes the procedure mentioned above, PONY shall arrange the retest as soon as possible. If the retest result accords with the applicant dissent, PONY shall refund all test and retest fees. Otherwise, the applicant shall pay the retest charge.

4. 不可重复性试验, 不能进行复检的, 不进行复检, 委托单位放弃异议权利。

The unrepeatable test shall not be retested. The applicant shall give up the rights of dissent.

5. 委托单位对样品的代表性和资料的真实性负责, 否则本检测单位不承担任何相关责任。

The applicant should undertake responsibility for the authenticity and representative of submitted sample and information. Otherwise, PONY has not any relevant responsibilities.

6. 本《检测报告》仅对样品负责, 检测结果仅反映对该样品的评价, 对于检测结果的使用、使用所产生的直接或间接损失及一切法律后果, 本检测单位不承担任何经济和法律后果。

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7. 本检测单位有权在完成《检测报告》后处理送检样品。

PONY is entitled to dispose the sample after finishing the inspection.

8. 本检测单位保证检测的客观公正性, 对委托单位的商业信息、技术文件、检测报告等商业秘密履行保密义务。

PONY assures objectivity and justness of the test, and fulfills the duty of confidentiality for applicant's commercial information, technique document, and analysis report.

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Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

Product Name: VALVE REGULATED LEAD ACID BATTERY**Sample Code:** GP18-12**Manufacturer:** [REDACTED]**Address:** WEN [REDACTED] N
CITY, GUANGDONG PROVINCE**Post Code:** [REDACTED]**Tel:** 020-6 [REDACTED]**Emergency:** [REDACTED] 50**Fax:** 020- [REDACTED]**E-mail:** service@jyobattery.com

Section 2 - Composition/Information on Ingredient

Chemical composition		Molecule formula	CAS No.	Weight (%)
Lead		Pb	7439-92-1	65.8
Lead Dioxide		PbO ₂	1309-60-0	
AGM Separator		---	---	2.3
Electrolyte (Dilute Sulfuric Acid)		H ₂ SO ₄	7664-93-9	18.4
Battery Shell (ABS Plastic)		---	9003-56-9	10.1
Epoxide Resin Glue		---	---	0.5
EPDM	Safety Valve	(C ₉ H ₁₂ ·C ₃ H ₆ ·C ₂ H ₄) _x	25038-36-2	0.08
	Sealed Gasket			0.02
Electrolysis Lead		---	---	surplus

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Section 3 - Hazards Identification

No harm under normal use. At long industrial condition, reference as follow.

Health Hazards (Acute and Chronic)

These chemicals are contained in a sealed can. Risk of exposure occurs only if the battery is mechanically or electrically abused. Contact of electrolyte and extruded lead with skin and eyes should be avoided.

Sign/Symptoms of Exposure

A short-circuit battery can cause thermal and chemical burns upon contact with the skin. May be a reproductive hazard.

Section 4 - First Aid Measures

Eyes

Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid.

Skin

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

Inhalation

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

Ingestion

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

Section 5 - Fire Fighting Measures

Flash Point: N/A.

Auto-Ignition Temperature: N/A.

Extinguishing Media

CO₂, foam, dry chemical.

Special Fire-Fighting Procedures

Wear protective clothing and use self-contained breathing apparatus.

Unusual Fire and Explosion Hazards

Battery may vent when subjected to excessive heat-exposing battery contents. Carefully follow manufacturer's instructions for installation and service. Keep away all sources of gas ignition and do not allow metallic articles to simultaneously contact the negative and

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positive terminals of a battery.

Hazardous Combustion Products

Carbon monoxide, carbon dioxide, sodium oxide, metallic oxides fumes, and other irritating or toxic gases and fumes.

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 batteries to cool and vapors to dissipate. Provide maximum ventilation. Avoid skin and eye contact or inhalation of vapors.

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 environmental protection agency and/or federal EPA.

Section 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 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

Batteries may explode or cause burns, if disassembled, crushed or exposed to fire or high temperatures. Do not short or install with incorrect polarity.

Section 8 - Exposure Controls, Personal Protection

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Respiratory Protection

In case of battery venting, provide as much ventilation as possible. Avoid confined areas with venting batteries. Respiratory protection is not necessary under conditions of normal use.

Hand protection

Not necessary under conditions of normal use.

Protective Gloves

Rubber or plastic gloves.

Other Protective Clothing or Equipment

Not necessary under conditions of normal use.

Personal Protection is recommended for venting batteries: Respiratory protection, protective gloves, protective clothing and safety glass with side shields.

Section 9 - Physical and Chemical Properties

Nominal Voltage: 12V.

Rated Capacity: 18Ah.

Appearance characters: Black, quadrate, odorless, solid battery.

Chemical Uses: Telecom Systems, Power Systems, UPS, Standby Power, Solar Systems, Electric Mobility, Portable Power Tools, Electric Vehicles, Motorcycles, etc.

Section 10 - Stability and Reactivity

Stability

Stable.

Conditions to Avoid

Heating, mechanical abuse and electrical abuse.

Incompatibility

Avoid contact with strong acids, strong oxides, aluminum, and tin.

Hazardous Decomposition Products

Carbon monoxide, carbon dioxide, sodium oxide, metallic oxides fumes, and other irritating or toxic gases and fumes.

Section 11 - Toxicological Information

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

Section 12 - Ecological Information

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

Section 13 - Disposal Considerations

Appropriate Method of Disposal of Substance or Preparation

Recycle this battery and should be turned over to a licensed battery recycler. Spent batteries: Send to secondary lead smelter for recycling. Place neutralized slurry into containers and dispose of as hazardous waste, as applicable. Large water-diluted spills, after neutralization and testing. Should be managed in accordance with approved local, state and federal requirements. Consult state environmental agency and/or federal EPA.

Section 14 - Transport Information

IMDG Proper Shipping Name: Batteries, wet, filled with acid + electric storage

Hazard Class: 8

UN No.: UN2794

Hazard Label: Corrosive

Separate batteries when shipping to prevent short-circuiting. They should be packed in strong packaging for support during transport. Take in a cargo of them without falling, dropping, and breakage. Prevent collapse of cargo piles and wet by rain.

Transport Fashion: By sea.

Packaging Information: Carton.

Section 15 - Regulatory Information

Law Information

《Dangerous Goods Regulation》

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《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》 (CWA)
 《California Proposition 65》
 《Code of Federal Regulations》 (CFR)

In accordance with all Federal, State and Local laws.

Section 16 - Additional 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.

Approved by:

MSDS Creation Date: Oct 23, 2015

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