



化学品安全技术说明书

Material Safety Data Sheet

报告编号
Report No.

HST-B251282829-01-1

产品名称
Sample Description

阀控密闭式免维护铅酸蓄电池
Valve Regulated Sealed Maintenance Free Lead
Acid Battery

型号
Model

12V1.2AH, 12V1.3AH, 12V2.2AH, 12V2.3AH,
12V2.6AH, 12V3.3AH, 12V4AH, 12V4.5AH, 12V5AH,
12V5.5AH, 12V7AH, 12V7.2AH, 12V7.5AH, 12V9AH
12V12AH, 12V17AH, 12V18AH, 12V20AH, 12V24AH,
12V26AH, 12V28AH, 12V33AH, 12V38AH, 12V40AH,
12V50AH, 12V55AH, 12V60AH, 12V65AH, 12V66AH,
12V70AH, 12V75AH, 12V80AH, 12V90AH, 12V100AH,
12V120AH, 12V150AH, 12V200AH, 12V 250AH

委托单位
Applicant

广东泰琪丰电子有限公司
GUANGDONG TECHFINE ELECTRONIC
CO.,LTD.

检测
Tested by:
审核
Reviewed by:
批准
Approved by:



签发日期
Date of issue: 2025.12.22

Guangdong Huesent Testing & Inspection Technology Co., Ltd.



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第一部分物质及企业标识	
Section 1- Identification of the Substance/Preparation and of the Company/Undertaking	
样品名称 Name of Sample	阀控密闭式免维护铅酸蓄电池 Valve Regulated Sealed Maintenance Free Lead Acid Battery
电池品牌 Battery brand	/
样品型号 Model of Sample	12V1.2AH,12V1.3AH,12V2.2AH,12V2.3AH,12V2.6AH,12V3.3AH,12V4AH,12V4.5AH,12V5AH,12V5.5AH,12V7AH,12V7.2AH,12V7.5AH,12V9AH,12V12AH,12V17AH,12V18AH,12V20AH,12V24AH,12V26AH,12V28AH,12V33AH,12V38AH,12V40AH,12V50AH,12V55AH,12V60AH,12V65AH,12V66AH,12V70AH,12V75AH,12V80AH,12V90AH,12V100AH,12V120AH,12V150AH,12V200AH,12V250AH
制造商 Manufacturer	广东泰琪丰电子有限公司 GUANGDONG TECHFINE ELECTRONIC CO.,LTD.
制造商地址 Manufacturer's address	佛山市南海区狮山镇罗村佛罗路 6 号一之 3 号厂房 3rdFloor,Building1,No.6,FoluoRoad,Luocun,ShishanTown,NanhaiDistrict, Foshan,Guangdong
联系人 Contact Person	招松坤
邮箱 E-mail	574407769@qq.com
传真 Fax	/
24h 紧急联络电话 24h Emergency Phone No.	13802649145

第二部分危险性概述	
Section 2- Hazards Identification	
危险性类别 Classification of Danger	见第十四部分。 See section 14.
浸入途径 Primary Route(s) of Exposure	眼睛，皮肤接触，摄入。 Eye, skin contact, ingestion.
健康危害 Health Hazard	<p>正常条件下根据制造商的说明使用电池不会产生危害。使用不当的情况下，有破裂、起火、发烫、内部成分泄漏的危险，并可能造成意外损失。使用不当的行为包括但不限于下列情况：长时间充电、短路、投入火中、硬物撞击、尖物刺破、破碎和破裂。</p> <p>The batteries are not hazardous when used according to the instructions of manufacturer under normal conditions. In case of abuse, there's Hazard of rupture, fire. heat, leakage of internal components, which could cause casualty loss. Abuses including 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.</p>

第三部分成分/组成信息 Section 3- Composition/information on Ingredients		
Chemical Name 化学名称	Concentration or concentration ranges (%) 浓度或浓度范围(%)	CAS Number CAS 号 (化学文摘索引登记号)
Sulfuric acid 硫酸	33.5	7664-93-9
ABS pool shell ABS 池壳	5	9003-56-9
Pb lead Pb 铅	60	7439-92-1
AGM separator AGM 隔板	1.5	—

Labeling according to EC directives.
标签根据 EC 指令。

No symbol and Hazard phrase are required.
不需要象形符号和危险短语。

Note: CAS number is Chemical Abstract Service Registry Number. 注意: CAS 号是化学文摘服务注册号码。
N/A=Not apply.
= 不适用。

第四部分急救措施 Section 4- First Aid Measures	
Eye 眼睛	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid. 万一接触, 立即用大量的清水冲洗至少 15 分钟, 翻起上下眼睑, 直到化学的残留物消失为止, 迅速就医。
Skin 皮肤	Remove contaminated clothes and rinse skin with plenty of water or shower for 15 minutes. Get medical aid. 万一接触, 用大量水冲洗至少 15 分钟, 同时除去污染的衣物和鞋子, 迅速就医。
Inhalation 吸入	Remove from exposure and move to fresh air immediately. Use oxygen if available. 立即从暴露处移至空气清新处, 如果呼吸困难给予氧气, 立即就医。
Ingestion 食入	Give at least 2 glasses of milk or water. Induce vomiting unless patient is unconscious. Call a physician. 饮用至少两杯牛奶或水。如果当事人仍然清醒可以采取催吐的方法, 并且立即就医。

第五部分消防措施 Section 5- Fire Fighting Measures	
Characteristics of Hazard 危险特性	The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating gases and vapors. 该产品会导致眼睛、皮肤和粘膜灼伤。热分解可能导致释放刺激性气体和蒸汽。
Hazardous Combustion Products 燃烧产生的危险物品	Carbon dioxide. 二氧化碳。
Fire-extinguishing Methods and Extinguishing Media 灭火方法及灭火剂	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment 使用适合当地情况和周围环境的灭火措施。
Attention in Fire-extinguishing 灭火注意事项	Wear self-contained breathing apparatus in pres sure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. 因为压强关系, 要穿戴可呼吸式全身防护装备。MSHA/NIOSH (经认证或等效的), 以及佩戴全套防护装置。

第六部分泄漏应急处理 Section 6- Accidental Release Measures	
Personal Precautions, protective equipment and emergency procedures 个人预防措施、防护装备和应急程序	In case of rupture. Attention! Corrosive material. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Refer to protective measures listed in Sections 7 and 8. 万一破裂。注意! 腐蚀性物质。避免接触皮肤, 眼睛或衣服。确保空气流通。根据需要 使用个人防护装备。将人员撤离到安全区域。让人们远离溢出/泄漏处和处于逆风。参考第七部分和第八部分中列出的防护措施。
Environmental Precautions 环境保护措施	Prevent product from contaminating soil and from entering sewers or waterways. 防止产品污染土壤和进入下水道或水道。
Methods and materials for Containment 方法和材料控制	Stop the leak if safe to do so. Contain the spilled liquid with dry sand or earth. Clean up spills immediately. 出于安全, 阻止泄漏, 可以用干砂或泥土来遏制液体溢出, 立即清理溢出物。
Methods and materials for cleaning up 清理的方法和材料	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. 用惰性吸收剂(干砂或泥土)吸收溢出的材料。污染物转移到可接受的废物容器中。收集所有受污染的吸收剂, 按照第十三部分的说明进行处理。用洗涤剂和水清洁污染区域, 收集所有受污染的洗涤水, 妥善处理。

第七部分操作处置与储存 Section 7- Handling and Storage	
Handling 操作	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. 拆解、挤压、直接放入火中或高温条件下，电池可能发生爆炸和燃烧。禁止短路或将电池正负极错误的安装在设备中。
Storage 储存	Store in a cool, dry, well-ventilated area away from incompatible substances. Store locked up. Keep out of the reach of children. 储藏于阴凉，干燥，通风处，远离接触会发生反应的材料。存储锁定。放在儿童无法接触的地方。
Other Precautions 其他要注意的防范措施	In case of rupture. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Use personal protection equipment. 万一破裂。按照良好的工业卫生和安全规范进行操作。避免接触皮肤、眼睛或衣服。使用个人防护设备。

第八部分接触控制和个体防护 Section 8 - Exposure Controls/Personal Protection	
Engineering Controls 工程控制	Use adequate ventilation to keep airborne concentrations low. 保证空气流通，使空气密度保持在低水平。
Personal Protective Equipment 个人防护设备	<p>Eye and Face Protection: None required for consumer use. If there is a Hazard of contact: Tight sealing safety goggles. Face protection shield. 眼部和面部防护：消费者无需使用。如果存在接触危险：佩戴密封安全护目镜，面部防护罩。</p> <p>Skin and Body Protection: None required for consumer use. If there is a Hazard of contact: Wear protective gloves and protective clothing. 皮肤和身体防护：消费者无需使用。如果有接触危险：穿戴防护手套和防护服。</p> <p>Respiratory Protection: No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. 呼吸系统防护：正常使用条件下不需要防护设备。如果超过暴露限值或发生刺激，可能需要通风和疏散。</p>

第九部分理化特性 Section 9- Physical and Chemical Properties	
Physical State 物理状态	Appearance: Approximate Cuboid 外形：近长方体
	Odour If leaking, smells of medical ether. 气味：泄漏时，医用乙醚的气味。
Change in condition: 变化的条件：	

PH 酸碱度	Not applicable as supplied. 不适用。
Flash Point 闪点	Not applicable unless individual components exposed. 除非单个的组件暴露，否则不适用。
Flammability 易燃度	Not applicable unless individual components exposed. 除非单个的组件暴露，否则不适用。
Relative density 相对密度	Not applicable unless individual components exposed. 除非单个的组件暴露，否则不适用。
Solubility (water) 溶解性（水溶性）	Not applicable unless individual components exposed. 除非单个的组件暴露，否则不适用。
Solubility (other) 溶解性（其他）	Not applicable unless individual components exposed. 除非单个的组件暴露，否则不适用。
第十部分稳定性和反应性 Section 10 - Stability and Reactivity	
Chemical Stability 化学稳定性	Stable under recommended storage conditions. 在推荐的储存条件下可以保持稳定。
Possibility of Hazardous Reactions 危险反应的可能性	None under normal processing. 正常处理下没有。
Conditions to Avoid 应避免的条件	Heat. Fire. Incompatible materials 高温，火，不相容材料。
Incompatible materials 不相容材料	Strong acids. Strong oxidizing agents. Strong bases. 强酸，强氧化剂，强碱。
Hazardous Decomposition Products 有危害分解物	Carbon dioxide, other irritating and toxic gases. 二氧化碳、其他刺激性和有毒气体。
第十一部分毒理学信息 Section 11 - Toxicological Information	
Irritation 刺激	In the event of exposure to internal contents, vapour fumes may be very irritating to the eyes and skin. 内部物质暴露的情况下，蒸汽烟雾可能对眼睛和皮肤的刺激性。
Sensitization 致敏	Not Available. 不适用。
Reproductive Toxicity 再生毒性	Not Available. 不适用。
Toxicological Synergistic Materials 协同材料毒理学	Not Available. 不适用。

第十二部分生态学信息 Section 12-Ecological Information	
General note: 通用信息:	Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. 不允许未稀释或大量的产品接触地下水、水道或污水处理系统。
Anticipated behavior of a chemical product in environment/possible environmental impact/ecotoxicity 化学产品在环境中的预期行为/可能的环境影响/生态毒性	Not Available. 不适用。
第十三部分废弃处置 Section 13 — Disposal Considerations	
Waste Treatment 废弃处置方法	Recycle or dispose of in accordance with government, state & local regulations. 建议遵照国家和地方法规处置或再利用。
Attention for Waste Treatment 废弃注意事项	Deserted batteries shouldn't be treated as ordinary trash. Shouldn't be thrown into fire or placed in high temperature. Shouldn't be dissected, pierced, crushed or treated similarly. Best disposal method is recycling. 废电池不能被当作普通垃圾。不能扔进火中或置于高温下。不能解体，刺穿，破碎或类似的处理。最好的处理办法是回收利用。
第十四部分运输信息 Section 14 - Transport Information	
This product has passed the vibration test, pressure difference test, and 55 °C leakage test in accordance with the special provisions 238 (a) and 238 (b) of "Recommendations on the TRANSPORT OF DANGEROUS GOODS" Model Regulations(23ndRev. edition) 本品已通过按照联合国《关于危险货物运输的建议书规章范本》（23）的特殊规定 238(a)和 238(b)进行的振动试验、压差试验和 55℃漏液试验。	
RID/ADR(2023 版):	According to RID/ADR special regulation 238, this product is not restricted. 根据 RID/ADR 特殊规定 238，本品不受限制。
IATA DGR(67 版):	According to IATA DGR special regulation A67, this product is not restricted. 根据 IATA DGR 特殊规定 A67，本品不受限制。
IMO IMDG CODE (2024 版):	According to the IMO IMDG CODE special bead regulation 238, this product is not restricted. 根据 IMO IMDG CODE 特殊规定 238，本品不受限制。
According to the relevant provision of UN "Recommendations on the TRANSPORT OF DANGEROUS GOODS"ST/SG/AC.10/1/Rev.23, IATA Dangerous Goods Regulations 67th Edition and IMDG CODE (Amdt.42-24), the sample doesn't belong to Dangerous Goods. 根据联合国《关于危险货物运输的建议书规章范本》23 版，国际航空运输协会《危险品运输规则》第 67 版，国际海运危险品货物运输规则(Amdt.42-24)的相关规定，该样品不属于危险货物。	
Hazards identification 危险性识别	None. 无。
Packaging requirements 包装要求	None. 无。

第十五部分法规信息
Section 15 - Regulatory Information

Dangerous Goods Regulations

《危险物品规则》

Recommendations on the Transport of Dangerous Goods-Model Regulations (23rd revised edition)

联合国《关于危险货物运输的建议书规章范本》(23nd 修订版)

Recommendations on the Transport of Dangerous Goods-Manual of Tests and Criteria

联合国《关于危险货物运输的建议书试验和标准手册》

International Air Transport Association (IATA)

《国际航空运输协会》(IATA)

International Maritime Dangerous Goods (IMDG Code 2024 Edition Amdt42-24)

《国际海运危险货物规则》(IMDG Code 2024 版 Amdt42-24)

Technical Instructions for the Safe Transport of Dangerous Goods

《危险货物安全运输技术指南》

Classification and code of dangerous goods (GB 6944-2012)

《危险货物分类和品名编号》GB 6944-2012

2012 OSHA Hazard Communication Standard (29 CFR 1910.1200) 2012《职业安全与健康标准》危险通信标准(29 CFR 1910.1200) Toxic Substance Control Act (TSCA)

《有毒物质控制法》(TSCA)

Code of Federal Regulations

《联邦条例》

In accordance with all Federal, State and local laws

符合所有联邦、州和地方法律

第十六部分其他信息
Section 16 - Additional Information

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, cannot guarantee that these are the only hazards that exist.

本份 MSDS 中的信息只是基于我们当前所拥有的相关材料的信息而编制的，只是为了描述本品的健康、安全与环境需求，以使各有关方面能更好地了解和信任本产品。这些信息只是提供给您。以供考虑、研究和确认。其中的一些危害预防措施描述并非唯一的，所以本份 MSDS 不能作为使用本品实现任何特定目的的保证，各有关使用者有责任预先完成本品的安全性及其他方面的测试，以评判其是否满足您的使用目的。

End of Report

报告声明

Report Statement

1.本报告涂改、增删无效。

This test report is invalid if altered, additions and deletions.

2.本报告只对来样负责。

This test report is responsible for tested samples only .

3.对检验报告若有异议，应于收到报告之日起十五天内向广东惠晟检验科技有限公司提出。

Objections to the test report must be submitted to Guangdong Huesent Testing & Inspection Technology Co., Ltd. within 15 days.

4.报告无主检、审核、批准人签名，检测专用章无效；未加盖资质认定标志（CMA）时，不具有对社会的证明作用。

The test report is invalid without the signatures of tester, reviewer, approver, and official stamp of test unit.

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6.本报告从2026年01月01日到2026年12月31日有效。

The report is valid from 2026-01-01 to 2026-12-31.