



# MSDS Report

**Report No.**

案件编号

: CTL2001029011-MSDS

**Original report No.**

原案件编号

: CTL1906139041-MSDS

**Samples**

样品

: Sealed Lead-acid Batteries

: 阀控密封铅酸蓄电池  
12V7AH, 4V4AH, 4V4.5AH, 4V10AH, 6V1.2AH, 6V1.3AH, 6V2.8AH, 6V3.2AH, 6V4AH, 6V4.5AH, 6V5AH, 6V6AH, 6V7AH, 6V7.5AH, 6V8AH, 6V10AH, 6V12AH, 6V14AH, 24V3.5AH, 24V4AH, 24V5AH, 12V0.8AH, 12V1.2AH, 12V1.3AH, 12V1.5AH, 12V1.8AH, 12V2AH, 12V2.2AH, 12V2.3AH, 12V2.6AH, 12V2.7AH, 12V2.8AH, 12V2.9AH, 12V3AH, 12V3.2AH, 12V3.8AH, 12V4AH, 12V4.2AH, 12V4.5AH, 12V5AH, 12V5.5AH, 12V6AH, 12V6.5AH, 12V7.2AH, 12V7.5AH, 12V8AH, 12V8.5AH, 12V9AH, 12V10AH, 12V12AH, 12V13AH, 12V14AH, 12V15AH, 12V17AH, 12V18AH, 12V18.5AH, 12V20AH, 12V22AH, 12V24AH, 12V25AH, 12V26AH, 12V28AH, 6V65AH, 6V100AH, 6V150AH, 6V180AH, 6V200AH, 12V33AH, 12V35AH, 12V38AH, 12V40AH, 12V42AH, 12V45AH, 12V50AH, 12V55AH, 12V53AH, 12V65AH, 12V70AH, 12V75AH, 12V80AH, 12V90AH, 12V100AH, 12V110AH, 12V120AH, 12V134AH, 12V150AH, 12V160AH, 12V170AH, 12V180AH, 12V200AH, 12V230AH, 12V250AH, 12V260AH, 2V100AH, 2V150AH, 2V200AH, 2V300AH, 2V350AH, 2V400AH, 2V450AH, 2V500AH, 2V600AH, 2V800AH, 2V1000AH, 2V1200AH, 2V1500AH, 2V2000AH, 2V3000AH, 24V8AH, 24V14AH, 12V60AH, 12V105AH, 12V125AH, 12V175AH

**Applicant**

申请商

: Shenzhen Power Kingdom Co.,Ltd

**Address**

申请商地址

: 101, No.49, Baigongao Industrial Zone, Xikeng New Village, Fucheng Street, Longhua District, Shenzhen, China.

深圳市龙华区福城街道茜坑新村佰公坳工业区 49 号 101

**Manufacturer**

制造商

: Henan Yuguang Gold&amp;Lead Group Lead Salt Co.,Ltd

**Address**

制造商地址

: 河南豫光金铅集团铅盐有限责任公司

: East 680, Jishui Street, Jiyuan City, Henen

: 河南省济源市济水大街东段 680 号

**Trademark**

商标

**Data of Issue**

报告日期

: Jan. 06, 2020

: 2020 年 01 月 06 日

**Signed for and on behalf of****Technical Center:**

Shenzhen CTL Testing Technology Co., Ltd.

Floor 1-A, Baisha Technology Park, No.3011, Shahexi Road, Nanshan District, Shenzhen, China 518055.

Phone: +86-755-89486194 E-mail: [ctl@ctl-lab.com](mailto:ctl@ctl-lab.com) Website: [www.ctl-lab.com](http://www.ctl-lab.com)

# MSDS Report

## Section 1- Chemical Product and Company Identification

### 第 1 节-化学产品和公司标识

**Product Name**

产品名称

: Sealed Lead-acid Batteries

阀控密封铅酸蓄电池

12V7AH, 4V4AH, 4V4.5AH, 4V10AH, 6V1.2AH, 6V1.3AH, 6V2.8AH, 6V3.2AH, 6V4AH, 6V4.5AH, 6V5AH, 6V6AH, 6V7AH, 6V7.5AH, 6V8AH, 6V10AH, 6V12AH, 6V14AH, 24V3.5AH, 24V4AH, 24V5AH, 12V0.8AH, 12V1.2AH, 12V1.3AH, 12V1.5AH, 12V1.8AH, 12V2AH, 12V2.2AH, 12V2.3AH, 12V2.6AH, 12V2.7AH, 12V2.8AH, 12V2.9AH, 12V3AH, 12V3.2AH, 12V3.8AH, 12V4AH, 12V4.2AH, 12V4.5AH, 12V5AH, 12V5.5AH, 12V6AH, 12V6.5AH, 12V7.2AH, 12V7.5AH, 12V8AH, 12V8.5AH, 12V9AH, 12V10AH, 12V12AH, 12V13AH, 12V14AH, 12V15AH, 12V17AH, 12V18AH, 12V18.5AH, 12V20AH, 12V22AH, 12V24AH, 12V25AH, 12V26AH, 12V28AH, 6V65AH, 6V100AH, 6V150AH, 6V180AH, 6V200AH, 12V33AH, 12V35AH, 12V38AH, 12V40AH, 12V42AH, 12V45AH, 12V50AH, 12V55AH, 12V53AH, 12V65AH, 12V70AH, 12V75AH, 12V80AH, 12V90AH, 12V100AH, 12V110AH, 12V120AH, 12V134AH, 12V150AH, 12V160AH, 12V170AH, 12V180AH, 12V200AH, 12V230AH, 12V250AH, 12V260AH, 2V100AH, 2V150AH, 2V200AH, 2V300AH, 2V350AH, 2V400AH, 2V450AH, 2V500AH, 2V600AH, 2V800AH, 2V1000AH, 2V1200AH, 2V1500AH, 2V2000AH, 2V3000AH, 24V8AH, 24V14AH, 12V60AH, 12V105AH, 12V125AH, 12V175AH

**Product Photo**

产品照片

: Henan Yuguang Gold&Lead Group Lead Salt Co.,Ltd  
河南豫光金铅集团铅盐有限责任公司

**Address**  
制造商地址

: East 680, Jishui Street, Jiyuan City, Henan  
河南省济源市济水大街东段 680 号

**TEL**

电话号码

: 0391-6600301

**Emergency Telephone**  
紧急联系电话号码

: /

**Fax**

传真

: /

**E-Mail**  
邮箱地址

: /

# MSDS Report

## Section 2-Composition/ Information on Ingredients 第 2 节-组成/成分信息

Chemical Composition 化学成分	CAS No. CAS 号	Weight(%) 重量占比(%)
Lead and lead oxide 铅和氧化铅	7439-92-1	61.97
Electrolytic solution 电解溶液	7664-93-9	23.88
Glass fibre separator 玻璃纤维分离器	65997-17-3	3
ABS ABS 塑料	9003-56-9	11.15

## Section 3- Hazards Identification 第 3 节-危险识别

**No specific health hazards for normal use.**

正常使用无特定健康危害。

### Health Hazards (Acute and Chronic)

健康危害（急性和慢性）

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

这些化学物质装在密封的罐子里。只有当电池受到机械或电气滥用时，才有暴露的危险。应避免电解液与皮肤和眼睛接触。

### Sign/Symptoms of Exposure

暴露迹象/症状

A shorted Sealed Lead-acid Batteries can cause thermal and chemical burns upon contact with the skin.

短路的阀控密封铅酸蓄电池接触皮肤会导致热和化学烧伤。

## Section 4- First Aid Measures 第 4 节-急救措施

### Eyes

眼睛

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

用大量的水冲洗眼睛至少15分钟，偶尔提起上下眼睑。获得医疗救助。

# MSDS Report

## **Skin**

皮肤

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

脱掉被污染的衣服，用大量的水冲洗皮肤或淋浴15分钟。获得医疗救助。

## **Inhalation**

吸入

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

立即离开并移到新鲜空气中。如果可能的话，使用氧气进行供氧。

## **Ingestion**

摄入

Do not induce vomiting. Call a physician immediately.

不要催吐。立即就医。

## **Section 5- Fire-Fighting Measures**

### **第 5 节-消防措施**

**Flash Point:** N/A.

闪点: N/A.

**Auto-Ignition Temperature:** N/A.

自燃温度: N/A.

## **Extinguishing Media**

灭火剂

CO<sub>2</sub> , dry chemical.

二氧化碳，干化学物质。

## **Special Fire-Fighting Procedures**

特殊消防程序

Self-contained breathing apparatus.

自给式呼吸器。

## **Unusual Fire and Explosion Hazards**

异常火灾和爆炸危险

Cell may vent when subjected to excessive heat-exposing battery contents.

当电池暴露在过热环境中时，电池可能会排气。

## **Hazardous Combustion Products**

有害燃烧产物

Carbon monoxide, carbon dioxide, other metallic oxide fumes.

一氧化碳、二氧化碳、其他金属氧化物烟雾。

# MSDS Report

## Section 6- Accidental Release Measures

### 第 6 节-意外泄漏措施

#### Steps to be Taken in case Material is Released or Spilled

##### 材料释放或溢出时应采取的措施

If the battery is accidental broken and leaks out, 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. Remove spilled material with absorbent.

如果电池意外损坏并泄漏, 请用布擦干净, 然后放在塑料袋中并放入钢罐中。首选的反应是离开该区域, 让电池冷却, 蒸发消散。提供最大的通风。避免皮肤和眼睛接触或吸入蒸汽。用吸收剂清除溢出的材料。

#### Waste Disposal Method

##### 废物处理方法

It is recommended to discharge the battery to the end, recycle copper and other metal, 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.

建议将电池放电到底, 回收铜等金属。

废旧电池统一交有关部门处理符合批准的地方、州和联邦要求。咨询州环境保护局和/或联邦环保局。

## Section 7- Handling and Storage

### 第 7 节-搬运和储存

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.

不得打开、销毁或焚烧电池, 因为电池可能泄漏或破裂, 并将其密封容器中的成分释放到环境中。不要使端子短路, 或给电池充电, 强制过度放电, 否则会引发火灾。不要压碎或刺穿电池, 或浸入液体中。

#### Precautions to be taken in handling and storing

##### 搬运和储存时应采取的预防措施

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.

避免机械或电气滥用。最好存放在阴凉、干燥、通风的地方, 温度变化小。应避免在高温下储存。不要将电池放在加热设备附近, 也不要长时间暴露在阳光直射下。

# MSDS Report

## Other Precautions

### 其他注意事项

Do not short or install with incorrect polarity.

不要使产品短路或以极性不正确的方式进行安装

## Section 8- Exposure Controls/ Personal Protection

### 第 8 节-接触控制/个人防护

#### Respiratory Protection

##### 呼吸保护

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.

在电池通风的情况下，提供尽可能多的通风。避免使用带有排气电池的密闭区域。在正常使用条件下，不需要呼吸保护。

#### Other Protective Clothing or Equipment

##### 其他防护服或设备

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.

在正常使用条件下不需要。建议对蓄电池进行个人防护：呼吸防护、防护手套、防护服和带侧护板的安全玻璃。

## Section 9- Physical and Chemical Properties

### 第 9 节-物理和化学特性

**Appearance characters:** Black with odorless

外观特征：黑色无气味

**Colour:** Black

颜色：黑色

**Odour:** Odorless

气味：无味

**Voltage:** 12V

电压：12V

**Capacity:** 7AH

容量：7AH

# MSDS Report

## Section 10- Stability and Reactivity

### 第 10 节-稳定性和反应性

#### **Stability:**

稳定性:

Product is stable under normal storage and handling conditions.

产品在正常的储存和搬运条件下是稳定的。

#### **Conditions to avoid:**

需要避免的情况:

High temperatures or incinerate. Deform, mutilate, crush, Pierce, short circuit. expose over a long period to humid conditions

高温或焚烧。变形、碎裂、挤压、穿孔、短路。长期暴露在潮湿环境中

#### **Materials to avoid:**

应避免接触的材料:

Oxidizing agents, alkalis, water.

氧化剂、碱、水。

#### **Hazardous reactions:**

危险反应:

If leaked, forbidden to contact with strong oxidizers, mineral acids, strong alkalies, halogenated hydrocarbons.

如有泄漏，严禁与强氧化剂、无机酸、强碱、卤代烃接触。

## Section 11- Toxicological Information

### 第 11 节-毒理学信息

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

电池打开时，可吸入、皮肤接触和眼睛接触。暴露在内部物质下，腐蚀性烟雾会对皮肤、眼睛和粘膜非常刺激。过度接触会导致非纤维性肺损伤和膜刺激的症状。

## Section 12- Ecological Information

### 第 12 节-生态信息

When promptly used or disposed the battery dose not present environmental hazard.

When disposed, keep away from water, rain an snow.

及时使用或处置电池不会造成环境危害。

处理后，远离水，下雨下雪。

# MSDS Report

## Section 13- Disposal Considerations 第 13 节-处置注意事项

### APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION

#### 处理物质或制剂的适当方法

If batteries are still fully charged or only partially discharged, they can be considered a reactive hazardous waste . The battery must be neutralized through an approved secondary treatment facility prior to disposal as a hazardous waste, Recycling of battery can be done in authorized facility, through licensed waste carrier.

如果电池仍然充满电，或者只是部分放电，那么它们可以被认为是一种反应性危险废物。在作为危险废物处置之前，电池必须经过批准的二次处理设施进行中和，电池的回收可以在授权的设施中通过许可的废物载体进行。

## Section 14- Transport Information 第 14 节-运输信息

It is considered non-dangerous goods by the IATA Special Provisions 238(a) and 238(b), 《Recommendations on the Transport of Dangerous Goods Model Regulations》 (18th).Pass the Vibration test, pressure test and leakage test at 55°C , unrestricted.

UN Number:UN2800

UN proper shipping name:

IATA:Batteries, wet, Non-spillable and electric storage

IMDG:Batteries, wet, Non-spillable and electric storage

Model Regulation:Batteries, wet, Non-spillable and electric storage

国际航空运输协会特别规定238 (a) 和238 (b) , “危险货物运输示范条例建议书” (第18次) 被认为是非危险品。通过55°C的振动试验，压力试验和泄漏试验，不受限制。

联合国编号: UN2800

联合国正式运输名称:

IATA: 电池，潮湿，非溢出和电力存储

IMDG: 电池，潮湿，非溢出和电力存储

型号规范: 电池，潮湿，非溢出和电力存储

More information concerning shipping, testing, marking and packaging can be obtained from Label master at <http://www.labelmaster.com>.

有关装运、测试、标记和包装的更多信息，请访问标签管理员网站<http://www.label master.com>。

Separate Sealed Lead-acid 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.

运输时分开阀控密封铅酸蓄电池，防止短路。在运输过程中，它们应该用坚固的包装来支撑。把货物装进包装，避免

# MSDS Report

产品落下或破损。防止货物桩倒塌及被雨水淋湿。

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

运输方式:空运、海运、铁路、公路。

## Section 15- Regulatory Information 第 15 条-管制资料

OSHA hazard communication standard (29 CFR 1910.1200)

OSHA危险通信标准(29 CFR 1910.1200)

Hazardous  Non-hazardous

危险  无害

## Section 16- Other Information 第 16 节-其他资料

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.

上述资料是基于我们所知悉的资料，并相信我们所提供的资料是正确的。由于本信息可能在我们无法控制的情况下使用，且可能不熟悉这些情况，且在本数据之后提供的数据可能会建议对该信息进行修改，因此我们不对其使用结果承担任何责任。提供此资料的条件是，接收资料的人须自行决定该资料是否适合其特定用途。

\*\*\*\*\*END OF REPORT 报告结束\*\*\*\*\*