

CNAS IB0071



NO.2615100012

SAFETY DATA SHEET

Product Name: Batteries, wet, filled with acid
6-QW-70L-A (12V 70AH)

Revision Date: 2015-11-09

Compiler: Liu Linlin

Checker: Fengshuo

Approver: Zhangxiaojin



Shanghai Research Institute of Chemical Industry Testing Centre

SAFETY DATA SHEET

Batteries, wet, filled with acid 6-QW-70L-A (12V 70AH)

SECTION1 PRODUCT AND COMPANY IDENTIFICATION

SECTION2 HAZARDS IDENTIFICATION

Hazards Identification:

Class 8, Corrosive.

Emergency Overview:

The internal battery materials may cause severe irritation to eyes and skin. Causes burns.

SECTION3 INFORMATION ON INGREDIENTS

Product name: Batteries, wet, filled with acid 6-QW-70L-A (12V 70AH)

Ingredient	Concentration	CAS No.	EC No.
Lead	65-75%	7439-92-1	231-100-4
Dilute sulphuric acid	~20%	7664-93-9	231-639-5
Separator	~5%	/	/
Polypropylene or Acrylonitrile-butadiene-styrene terpolymer	~5%	9003-07-0/9003-56-9	-/-

SECTION4 FIRST-AID MEASURES

Skin Exposure:

If the internal battery materials of an opened battery cell come into contact with the skin, immediately flush with plenty of water for at least 15 minutes. Seek immediate medical attention.



Eye Exposure:

In case of contact the electrolyte contained inside the battery with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Seek immediate medical attention.

Inhalation Exposure:

If potential for exposure to mist or dusts occurs, remove immediately to fresh air and seek medical attention.

Oral Exposure:

If swallowed the internal materials, do not induce vomiting. Seek immediate medical attention.

SECTION5 FIRE FIGHTING MEASURES**Extinguishing Media:**

Suitable: Dry chemical, Sandy soil, Carbon dioxide or appropriate foam.

Firefighting:

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Specific hazards: Emit toxic fumes under fire conditions.

SECTION6 ACCIDENTAL RELEASE MEASURES

If batteries show signs of leaking, avoid skin or eyes contact with the material leaking from the battery. Use chemical resistant rubber gloves and non-flammable absorbent materials for clean up. Mix with inert material (e.g. dry sand, vermiculite) and transfer to sealed container for disposal.

SECTION7 HANDLING AND STORAGE**Handling:**

Keep away from ignition sources, heat and flame. Such batteries must be packed in inner packages in such a manner as to effectively prevent short circuits and to prevent movement which could lead to short circuits. Avoid mechanical or electrical abuse and overcharge. More than a momentary short circuit will generally reduce the battery service life. Avoid reversing battery polarity within the battery assembly. In case of a battery unintentionally be crushed, acid resistant gloves must be used to handle all battery components. Avoid contact with eyes, skin. Avoid inhalation. No smoking at working site. Materials to Avoid: Strong oxidant, Combustible materials and Corrosives.

Storage:

Store in a cool, well-ventilated area. Keep away from ignition sources, heat and flame. Such batteries must be packed in inner packages in such a manner as to effectively prevent short circuits and to prevent movement which could lead to short circuits. Materials to Avoid: Strong oxidant, Combustible materials and Corrosives.

SECTION8 EXPOSURE CONTROL/PPE**Engineering Controls:**

Use ventilation equipment if available. Safety shower and eye bath.

Personal Protective Equipment:

Respiratory: Wear government approved air-purifying respirator if needed.

Eye: Chemical safety glasses.

Clothing: Wear appropriate protective clothing.

Hand: Wear acids resistant gloves.

Other Protect:

No smoking, drinking and eating at working site. Wash thoroughly after handling.

SECTION9 PHYSICAL/CHEMICAL PROPERTIES

Appearance: Black plastics cement shell
Odor: Odorless
Melting Point/°C: >300°C
Solubility: Partial soluble in water

SECTION10 STABILITY AND REACTIVITY**Stability:**

Stable under normal temperatures and pressures.

Conditions to Avoid:

Avoid exposure to heat and open flame. Avoid mechanical or electrical abuse and overcharge. Prevent short circuits. Prevent movement which could lead to short circuits.

Materials to Avoid:

Strong oxidant, Corrosives.

Hazardous Polymerization:

Will not occur.

Hazardous Decomposition Products:

Sulfur oxides, Sulfuric acid mist, Metal oxides.

SECTION11 TOXICOLOGICAL INFORMATION**Toxicity Data:**

Not available.

Irritation Data:

The internal battery materials may cause severe irritation to eyes and skin. Causes burns.

Carcinogenicity:

The International Agency on Cancer (IARC) has classified "strong inorganic acid mists containing sulfuric acid" as a category 1 carcinogen (inhalation), a substance that is carcinogenic to humans. This classification does not apply to the sulfuric acid contained within the battery. Misuse of the product, such as overcharging, may result in the generation of sulfuric acid mist at high levels.

SECTION12 ECOLOGICAL INFORMATION

Lead and its compounds can result in a threat if released into the environment. In most surface water and groundwater, lead forms compounds with anions such as hydroxides, carbonates, sulfates, and phosphates, and precipitates out of the water column. Lead may occur as sorbed ions or surface coatings on sediment mineral particles or may be carried in colloidal particles in surface water. Most lead is strongly retained in soil, resulting in little mobility. Lead may be immobilized by ion exchange with hydrous oxides or clays or by chelation with humic or fulvic acids in the soil. Leak (dissolved phase) is bioaccumulated by plants and animals, both aquatic and terrestrial.

SECTION13 DISPOSAL CONSIDERATION

Appropriate Method of Disposal of Substance:

Lead-acid batteries are completely recyclable. Return whole scrap batteries to distributor, manufacturer or lead smelter for recycling. For neutralized spills, place residue in acid-resistant containers with sorbent material, sand or earth and dispose of in accordance with local, state and federal regulations for acid and lead compounds. Contact local and/or state environmental officials regarding disposal information. Used batteries being transported for disposal or reclamation should be carefully checked prior to shipment to ensure the integrity of each battery and its suitability for transport.

SECTION14 TRANSPORT INFORMATION

RID/ADR: Proper Shipping Name: Batteries, Wet, Filled with acid, electric storage
UN Number: UN2794
Hazard Class: 8
Label: Corrosive

IATA: Proper Shipping Name: Batteries, Wet, Filled with acid, electric storage
UN Number: UN2794
Hazard Class: 8
Label: Corrosive

IMO: Proper Shipping Name: Batteries, Wet, Filled with acid, electric storage
UN Number: UN2794
Hazard Class: 8
Label: Corrosive
EmS No. : F-A, S-B

SECTION15 REGULATORY INFORMATION

EU Additional Classification:

S 36/37

Safety Statements: Wear suitable protective clothing and gloves.

SECTION16 OTHER INFORMATION

Date:

2015-11-09

Department:

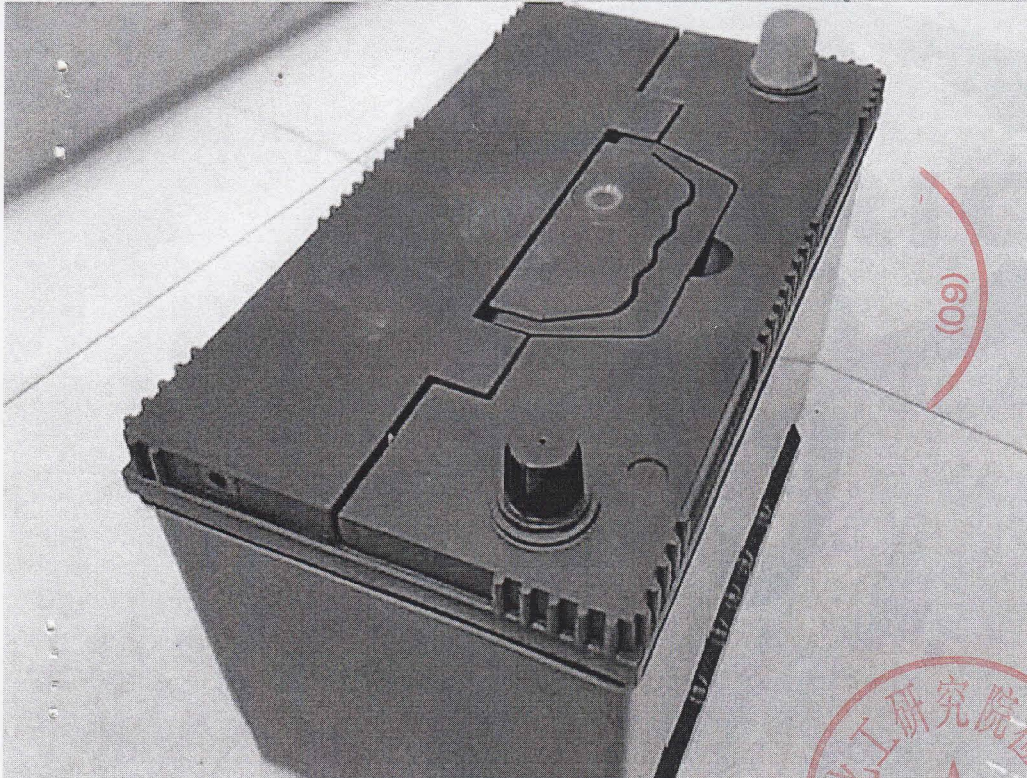
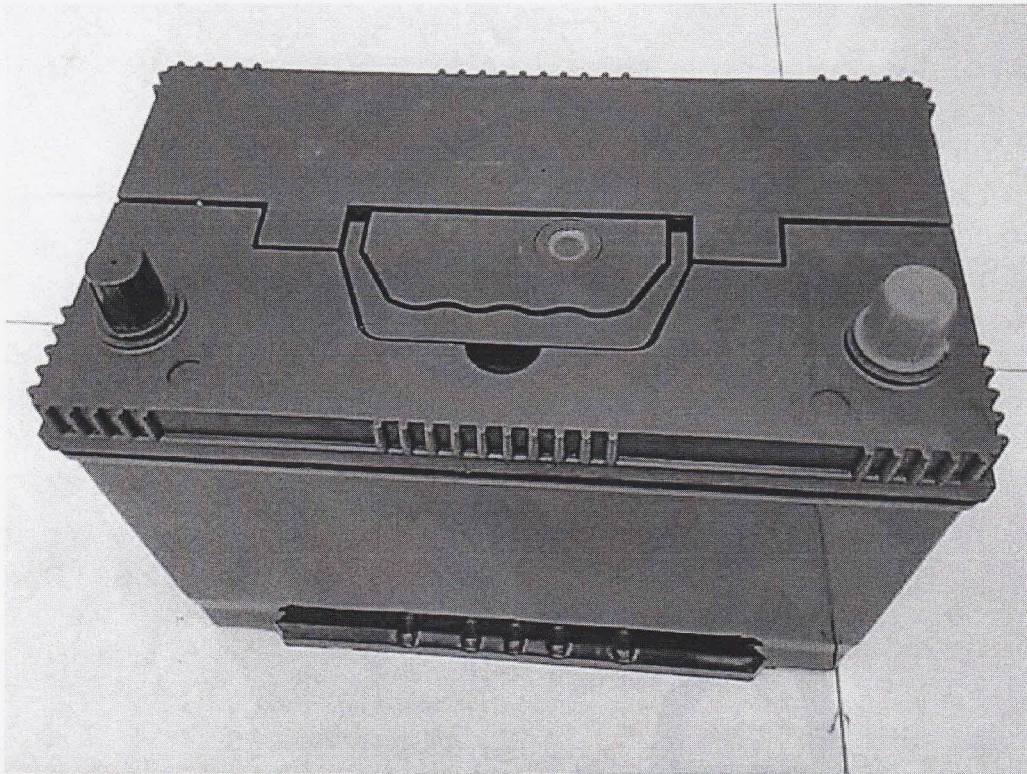
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Revision:

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Other Information:

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NO.2015101834



检查
CNAS IB0071

货物运输条件鉴定书

Certification

for Safe Transport of Chemical Goods

危险品

样品名称： 铅酸蓄电池（启动式）6-QW-70L-A(12V70AH)

Name of Goods: BATTERIES, WET, FILLED WITH ACID

送检单位： 安徽理士电源技术有限公司

生产单位： 安徽理士电源技术有限公司



上海化工研究院检测中心
(上海天科化工检测有限公司)

Shanghai Research Institute of Chemical Industry Testing Centre
(Shanghai TECH. Chemical Industry Testing Co.,Ltd)



样品名称 Name of Goods	中文 Chinese	铅酸蓄电池（启动式）6-QW-70L-A (12V70AH)
	英文 English	BATTERIES, WET, FILLED WITH ACID
送检单位 Shipper	安徽理士电源技术有限公司	
生产单位 Manufacturer	安徽理士电源技术有限公司	
检查方法、程序 Inspection Methods and Procedures	国际海事组织《国际海运危险货物规则》(2012版) IMO International Maritime Dangerous Goods Code (2012Edition)	
样品外观与气味 Appearance & Odor	黑色塑胶外壳, 无臭 Black Plastics cement shell, Odorless	
IDENTIFICATION 鉴定结论 CONCLUSION	1. 危险性识别 (Hazards identification) 腐蚀性。 Corrosive.	
	2. 海运按照IMO IMDG Code办理的类项 (Suggestion according to IMO IMDG Code) Shipping Name: Batteries, wet, filled with acid Class or Division: 8 UN Number: UN2794	
	3. 包装要求 (Packaging requirements) 按UN2794要求办理。 Suggestion according to UN2794.	
	检查日期: 2015年10月16日至 2015年11月13日 生效日期: 2015年11月13日	
备注 Comment	无。 None.	



批准 Approver: *张一*

审核 Checker: *董学胜*

主检 Appraiser: *吕*



鉴定项目 Identification Item	鉴定结果 Identification Conclusion
爆炸危险性鉴定 Identification of Explosive Hazard	该货物不属于爆炸品。 The product is not classified in Explosives.
易燃危险性鉴定 Identification of Flammable Hazards	该货物不属易燃危险品。 The product is not classified in flammable substance.
氧化危险性鉴定 Identification of Oxidative Hazards	该货物不属于氧化剂和有机过氧化物。 The product is not classified in oxidizing substances and organic peroxides.
毒害及传染危险性鉴定 Identification of Toxic & Infectious Hazards	该货物不属于有毒和传染性物质。 The product is not classified in toxic and infectious substances.
放射危险性鉴定 Identification of Radioactive Hazard	该货物无放射危险性。 The product is not classified in radioactive material.
腐蚀危险性鉴定 Identification of Corrosive Hazard	该货物属于第8类腐蚀品。 The product is classified in Class 8 (Corrosives).
其他危险性鉴定 Identification of other Hazards	这种电池须牢固在内包装中，以有效防止短路和防止可导致短路的移动。 Such batteries must be packed in inner packagings in such a manner as to effectively prevent short circuits and to prevent movement which could lead to short circuits.



