COMPLY REPORT

REPORT NO. : STDGZ-160115-M

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COMPLY REPORT OF MSDS

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1 General Information

1.1 Application Details

Name	:	Netion Electronic Co., Ltd.
Address	:	Fanhu Industrial Park, Leping Town, Sanshui District, Foshan City, Guangdong, China.
Contact	:	Yang Zhengquan
Telephone	:	+86-757-87360282
Fax	:	+86-757-87360189
Mobile telephone	:	
Email	:	luosy@netion.com.cn

1.2 Details of Wanted Approval Holder

Name	:	/
Address	:	/
Contact	:	/
Telephone	:	/
Fax	:	/
Mobile telephone	:	/
Email	:	/

1.3 Description of the Compile Item

Sample name	:	Lead-Acid Battery
Model No.	:	/
Brand name	:	Netion
Condition of sample(s)	:	EFFECTIVE

1.4 Test Conclusion

The submitted test sample complied with test standards as listed.

Tested by:

Steven Liang

Steven Liang

Date: Jan. 29, 2016

Reviewed by :

John Li

Date: Jan. 29, 2016

2 Compile Results

2.1 General Information

2.1.1 Sample Receiving Date

Jan. 04, 2016

2.1.2 Compile Period

Jan.04, 2016 to Jan. 29, 2016

2.1.3 Compile Requested

MSDS report of products.

2.2 Results

MSDS (Material Safety Data Sheet)	
1 Identification of the substance / Preparation and of the company	
PRODUCT NAME	: Lead-Acid Battery
PRODUCT TYPE	: /
MANUFACTURER/SUPPLIER	: Netion Electronic Co., Ltd.
ADDRESS	: Fanhu Industrial Park, Leping Town, Sanshui District, Foshan City, Guangdong, China.
TEL	: +86-757-87360282
FAX	: +86-757-87360189
E-MAIL	: luosy@netion.com.cn

2 Hazards identification

Hazard description: No danger under normal use of this product.

Fatalness grade: According to Regulation (EC) No 1272/2008

Chemical Name	CAS No.	EC No.	Classification		Labelling		
			Hazard Class and Category Code(s)	Hazard Statement Code(s)	Pictogram Signal Word Code(s)	Hazard Statement Code(s)	Suppl. Hazard statement code(s)
Sulfuric acid	7664-93-9	231-639-5	Skin Corr. 1A	H314	GHS05 Dgr	H314	/

Hazard Symbols: GHS05

Corrosion

Invasion route: Skin contact, Eyes contact, Inhalation, Ingestion
Health hazards: The chemical are contained in a sealed can. Risk of exposure occurs only if the battery is mechanically or electrically abused.
Environment hazards: The components of the battery are harmful to the environment.
Burn & burst danger: Do not dispose of battery in fire-- may explode. Do not short-circuit the battery-- may cause fire.

3 Composition / Information on ingredients

Pure □ Admixture □
Composition:

Chemical Name	In % By Weight	CAS No.	EC No.	Molecular Formula
Lead	About 70	7439-92-1	231-100-4	Pb
Sulfuric acid	About 20	7664-93-9	231-639-5	H_2SO_4
Fiberglass	About 5	65997-17-3	266-046-0	NA
ABS	About 5	9003-56-9	NA	NA

Abbreviation：
CAS: Chemical Abstract Service
EC: European Inventory of Existing Commercial Chemical Substances
NA = Not apply.

4 First aid measures

Skin contact: If the battery is leaking and the contained material contacts the skin, remove contaminated clothes quickly and rinse the skin with plenty of water at least 15 minutes. If irritation or pain persists, get medical aid at once.
Eyes contact: If the battery is leaking and the contained material contacts the eyes, flush the eyes with plenty of water or saline water at least 15 minutes. Get medical aid at once.
Inhalation: If the battery is leaking, remove to fresh air immediately. Keep the respiratory tract smooth. Use oxygen if available. Get medical aid.
Ingestion: If the battery is leaking and the contained material is ingested, rinse mouth and surrounding area with clear water at once. Get medical aid at once.

5 Fire-fighting measures

Danger characteristic:
1. Batteries may burst and release hazardous decomposition products when exposed to a fire situation.
2. Using the specified charger charging under the specified conditions, otherwise may cause the battery overheat, bleed, disclosure, combustion or rupture.

Hazardous combustion products: Carbon monoxide, carbon dioxide, metal oxide, irritate fume, etc.
Fire-Fighting method & media: The staff must equipped with filtermask (full mask) or isolated breathing apparatus. The staff must wear the clothes which can defence the fire and the toxic gas. Put out the fire in the upwind direction. Remove the container to the open space as soon as possible. Spraying water on the containers in the fireplace to keep them cool until finish extinguishment. Media: hazy water, sandy clay, carbon tetrachloride and so on fire extinguishing apparatus.

6 Accidental release measures

Emergency treatment: If the battery material is released, remove personnel from area until fumes dissipate. Provide maximum ventilation to clear out hazardous gases. The preferred response is to leave the area and allow the batteries to cool and vapors to dissipate. Prevent the spillage to flow into restrictive space like the sewer and the drainage channel. Provide maximum ventilation. Avoid skin and eye contact or inhalation of vapors. Remove spilled liquid with absorbent and incinerate waste.

7 Handling and storage

Handling:

1. Ensure sufficient insulation between the battery and the equipment. Inadequate insulation measures may cause shock, short circuit fever, smoke or burning.
2. Charging application charger, directly in DC power may cause the battery leakage, fever or burning.
3. Don't use battery in dusty places, may cause the battery short circuit. It should regularly check the battery when the battery used in dusty environment.
4. Please remove the battery slowly. Don't make a battery rupture, leakage.
5. Don't use can produce electrostatic materials to cover battery. Electrostatic can cause fire or explosion.
6. Don't move the battery when it is charging.

Storage:

1. Battery before installation can be deposit under 0～35℃in the environment, but the battery can not storage more than six months, more than six months shelf life of the battery should be charging maintenance, storage location should be clean and ventilated, dry.
2. Don't place the battery in the place which may be flooded. If the battery immersion in water, it may burn or shock hurts.
3. Due to the self-discharge, battery capacity will slowly decrease. In storage after long time before use, please try again for recharging the battery.
4. Don't use thinner, gasoline, kerosene or synthetic fluid to clean battery. Using the above material can lead to the battery shell burst leakage or fire.

8 Exposure controls / personal protection

Maximum admissible concentration: No standard yet
Monitoring Method: /
Engineering Control: Supply with sufficient partial air exhaust.
Respiratory Protection: Wear self-inhalation filtertype dust respirator if needed.
Eyes Protection: Wear safety glass.
Body Protection: Wear work clothes
Hands Protection: Wear gloves
Other Protections: No smoking, dining and drinking water in the workplace. Keep good habit of hygiene.

9 Physical and chemical properties

Appearance: Solid
Color: Black
Odour: Odorless
Solubility: Insoluble in water

10 Stability and reactivity

Stability: Stable under normal temperature and pressure
Distribution of Ban: Strong oxidizer, strong acid, alkali, organic solvent
Conditions to Avoid: Fire, mechanical abuse and electrical abuse
Hazardous Polymerization: /
Hazardous Decomposition Products: Under normal conditions of storage and use, hazardous decomposition products should not be pro

11 Toxicological information

The information provided in this section is related to the individual ingredients of the sample.
Acute Toxicity:

Chemical Name	CAS No.	LC50	LD50
Sulfuric acid	7664-93-9	Inhalation/rat/ 510 mg/m3, 2 hour Inhalation/mouse/ 320 mg/m3, 2 hour	Oral / rat / 2140mg/kg

Sub-acute and Chronic Toxicity: No data.
Irritation:

Chemical Name	CAS No.	Irritation
Sulfuric acid	7664-93-9	Eye/rabbit/1380μg, severe irritation

Sensitization: The liquid in the battery may cause sensitization to some person.
Mutagenicity: No data.
Carcinogenicity: No data.
Others: /

12 Ecological information

Eco-toxicity:

Chemical Name	CAS No.	Eco-toxicity
Pb	7439-92-1	The water concentration 0.1 mg/L, water self-purification ability of biochemical inhibition; concentration 1 mg/L, make BOD5 reduced by 23%.

Biodegradable: No applicable.
Non-biodegradable: No applicable.
Bioconcentration or biological accumulation: No applicable.
Other harmful effects: Harm to the environment, we should pay special attention on water and soil pollution.

13 Disposal considerations

Nature of waste: /
Waste disposal methods: Refer to National or Local regulations before handling. It suggests recycling.
Attention abandoned: Pay special attention on water and soil pollution.

14 Transport information

UN Number: 2800
Packaging Mark: /
Packaging Method: /
Transport Attentions: According to The International Maritime Dangerous Goods (IMDG) Code 37-14 Special Provision 238 and International Air Transport Association (IATA) Dangerous Goods Regulations, 57th (2016) Packing Instruction. Under the condition of Railway Transportation, assemble articles strictly according to Hazardous Goods Transport Rules of Railway Station. The batteries must be protected against short circuits and securely packaged. Each battery and their outer packaging must be plainly and durably marked "NONSPILLABLE" or "NONSPILLABLE BATTERY". Examine whether the package of the containers are integrate and tight-closed or not before transport. No spillable, no collapse, no precipitation or no damage during the course of transportation. Don't put the goods together with organic solvent and chief food chemicals. The transport vehicle and ship must be cleaned, sterilized and dried otherwise it is not allowed to assemble articles. In transit should be anti-exposure, rain, anti-high temperature. Stopovers should be away from fire and heat sources. Don't use engine device and tools which can easily produce spark for loading. The assemble place should keep away from bedroom and kitchen and the engine room, power and fire source should be isolated from the assemble place. Under the condition of Road Transportation, the driver should drive in accordance with regulated route, don't stop over in the residential area and congested area. Forbid to use wooden, cement for bulk transport.

15 Regulatory information

Regulatory Information:
ISO 11014-2009 Safety data sheet for chemical products - Content and order of sections.
Regulation (EC) No. 1272/2008 Classification, Labelling and Packaging of Substances and Mixtures.
The International Maritime Dangerous Goods (IMDG) Code (inc Amdt 35-10).
International Air Transport Association (IATA) Dangerous Goods Regulations, 54th, 2013.

16 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 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.
Term:
Skin Corr. 1A: Skin corrode.
H314: Causes severe skin burns and eye damage.

Note : 1. Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the CTS Classification committee using available literature references.

End of page

3 Sample Reference Photo

**********End of Report**********

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