



# Hoppecke Battery Systems (Wuhan) Co., Ltd

## SAFETY DATA SHEET

### Lead-acid batteries for stationary valve-regulated

#### SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

**Product name:** Lead-acid batteries for stationary valve-regulated (※)

**Company:** Hoppecke Battery Systems (Wuhan) Co., Ltd

**Address:** No. 51, Shisanlu, Xincheng, Dongxihu District, Wuhan, Hubei, 430040, P. R. China

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**Emergency Phone:** +86-27-83266826

**Effective Date:** 2022-07-08

#### SECTION 2 HAZARDS IDENTIFICATION

##### Hazards Identification:

The battery has passed the vibration test, pressure differential test and leakage test at 55°C according to Recommendations on the TRANSPORT OF DANGEROUS GOODS Model Regulations(20<sup>th</sup>) SPECIAL PROVISION 238.

It is not restricted to IATA DGR( 63<sup>th</sup> Edition) according to special provision A67.

It is not restricted to IMDG CODE ( 2018 Edition) according to special provision 238.

##### Emergency Overview:

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

#### SECTION 3 INFORMATION ON INGREDIENTS

##### Product name:

Lead-acid batteries for stationary valve-regulated

Ingredient	Concentration	CAS NO.	EC NO.
Lead	30-55%	7439-92-1	231-100-4
Lead oxide	20-40%	1309-60-0	215-174-5
Sulphuric acid	5-30%	7664-93-9	231-639-5
Polypropylene	2-10%	9003-07-0	618-352-4

#### SECTION 4 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.

## SECTION 5 FIREFIGHTING 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.

## SECTION 6 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 cleanup. Mix with inert material (e. g. dry sand, vermiculite) and transfer to sealed container for disposal.

## SECTION 7 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.



## SECTION 8 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.

## SECTION 9 PHYSICAL/CHEMICAL PROPERTIES

**Appearance:** Off-white plastics cement shell

**Odor:** Odorless

**Melting Point/°C:** >300°C

**Solubility:** Partial soluble in water

## SECTION 10 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.

## SECTION 11 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.

## SECTION 12 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 maybe carried in colloidal particles in surface water. Most lead

is strongly retained in soil, resulting in little mobility. Lead maybe immobilized by ion exchange with hydrous

oxides or clays or by chelation with humic or fulvic acids in the soil. Leak (dissolved phase) is bio accumulated

by plants and animals. both aquatic and terrestrial.

## SECTION 13 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.

## SECTION 14 TRANSPORT INFORMATION

The battery has passed the vibration test. pressure differential test and leakage

test at 55°C according to Recommendations on the TRANSPORT OF DANGEROUS GOODS Model Regulations (20<sup>th</sup>) SPECIAL PROVISION 238.

**IATA DGR(63<sup>th</sup> Edition) :** The battery is not restricted to IATA DGR according to special provision A67.

**IMO IMDG Code** The battery is not restricted to IMO IMDG Code according to special provision 238.

**(2020 Edition) :**

## SECTION 15 REGULATORY INFORMATION

### EU Additional Classification:

S36/37

Safety Statements: Wear suitable protective clothing and gloves.



## SECTION 16 OTHER INFORMATION

**Date:**

2022-07-08

**Department:**

HOPPECKE Battery Systems (Wuhan) Co., Ltd.

Tel(Fax) : +86-27-83266826

**Revision:**

1

**Other Information:**

The above information is believed to be correct but does not purport to be all inclusive and shall be used

only as a guide. We make no warranty of merchantability or any other warranty, express or implied, with respect

to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of the information for their particular purposes. In no way shall

we be liable for any claims. Losses, or damages of any third party or for lost profits of any special, indirect,

incidental, consequential or exemplary damages, howsoever arising from using the above information.

**Note: ✕ the specific battery types under each product series in section 1 are as follows.**

<b>trak bloc series</b>
trak bloc 170, 6V 170Ah
trak bloc 200, 6V 200Ah
trak bloc 220, 6V 220Ah
trak bloc 90, 12V 90Ah
trak bloc 115, 12V 115Ah
trak bloc 130, 12V 130Ah

