# Safety Data Sheet

**Nr.: 9550.1725**

**Booster 12/24 V, 3400 A**

**Ver.1.0**

## 1. SECTION: PRODUCT AND COMPANY IDENTIFICATION

**1.1 Produktidentifikator**

**Product name:** Booster 12/24 V, 3400

**Produkt number:** 550.1725

**1.2 Details of the supplier providing the safety data sheet**

**KS Tools**

**Werkzeuge und Maschinen GmbH**

Seligenstädter Grund 10–12

63150 Heusenstamm - GERMANY

customerservice@kstools.com

www.kstools.com

**1.3 Emergency number, telephone number: POISON CONTROL/TRANSPORT EMERGENCY -**

Deutschland, Österreich, Schweiz, Luxemburg (24h)

Tel: +49 89 220 61012 / 0800 000 7801 (Deutsch, Englisch)

Numéro d‘appel d‘urgence en cas d‘intoxication/d‘accident -

Suisse, Luxembourg (24h): Tel: ++33 1 7211 0003 (Français)

**NOTRUF: 112**

**Emergency number:**

EMERGENCY CONTACT – UK, UAE,

South Africa (24h): Tel: ++441865407333 (English)

TRANSPORT EMERGENCY CONTACT - UK, UAE,

South Africa (24h): Tel: ++44 1865 407333 (English)

## 2. SECTION:HAZARDS IDENTIFICATION

**2.1 Hazards Identification**

The battery has passed the vibration on test,pressure,‘differential test leakage test at 55 °C according to recommendations on the TRANSPORT OF DANGEROUS GOODS Model Regulations(60™) SPECIAL PROVISION 238.

- Es ist gemäß Sonderbestimmung A67 nicht auf IATA DGR beschränkt.
- Es ist nicht auf den IMDG-Code gemäß Sonderbestimmung 238 beschränkt.

### 2.2 Emergency Overview

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

## 3. SECTION: INFORMATION ON INGREDIENTS

3.1 Product name: SPB VRLA BATTERIE 6-SPB-25. 6-SPB-44A(AC-SSL-44). 6-SPB-50A. 6-SPB-75. 6-SPB-100

| Ingredient | Concentration | CAS-No. | EG-No. |
|---|---|---|---|
| Lead | 45,8 % | 7439-92-1 | 231-100-4 |
| Lead dioxide | 21,5 % | 1309-60-0 | 215-174-5 |
| Sulfuric Acid | 23,1 % | 7664-93-9 | 231-639-5 |
| Plastic | 7,1 % | 9003-56-9 | / |
| Separator | 2,5 % | 65997-17-3 | 266-046-0 |

## 4. SECTION: FIRST-AID MEASURES

**Skin Exposure:**

If the skin contact with the internal battery materials immediately flush with plenty of water for at least 15 minutes. Seek immediate medical attention.

**Eye exposure:**

If the eyes contact with the internal battery materials,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.

## 5. SECTION: FIRE FIGHTING MEASURES

### 5.1 Extinguishing Media:

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

**5.2 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.

## 6. SECTION: ACCIDENTAL RELEASE MEASURES

If batteries shoe 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 transfér to sealed container for disposal.

## 7. SECTION: HANDLING AND STORAGE

**Handing:**

Keep away from ignition source, heat and flame. Such batteries must be packed in inner packages in such a manner as to effectively 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.

## 8. SECTION: EXPOSURE CONTROL/PPE

**8.1 Engineering Controls:**

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

**8.2 Personal Protective Equipment:**

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

**Eye:** Chemical safety glasses.

**Clothing:** Wear appropriate protective clothing.

**Hand:** Wear acid resistant gloves.

**8.3 Other Protect:**
No smoking, drinking and eating at working site. Wash thoroughly after handing.

## 9. SECTION: PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Gray plastics cement shell
**Odor:** Odorless
**MP/MP Range:** >300°C
**Solubility:** Partial soluble in water

## 10. SECTION: 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 circuit. Prevent movement which could lead to short circuits.

**Material to Avoid:**
Strong oxidant, Corrosives.

**Hazardous Polymerization:**
Will not occur.

**Hazardous Decomposition Products:**
Sulfur oxides, Sulfuric acid mist, Metal oxides.

## 11. SECTION: TOXICOLOGICAL INFORMATION

**Toxicity Data:**
Not available.

**Irritation Data:**
The internal battery materials may cause severe irritation to eye 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.

## 12. SECTION: 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 particle in surface water. Most lead is strongly retained in soil, resulting in little mobility. Leaci 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.

## 13. SECTION: DISPOSAL CONSIDERATIONS

**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.

## 14. SECTION: 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 (60t) SPECIAL PROVISION 238.

According to List of dangerous goods (GB 12268-2012), determining from tests and information investigation to the VRLA BATTERY provided by Shuangdeng Group Co.,Ltd., no battery fluids leakage occurred in vibration test and pressure differential test, and at a temperature of 55°C, the electrolyte did not flew from a ruptured or cracked case, and the terminals are protected from short circuit, so this substance does not belong to dangerous goods , and should be transported as non-dangerous goods.

| | |
|---|---|
| **DOT** | The substance is not subject to regulations |
| **IATA** | The substance is not subject to IATA DGR according to special provision A67 |
| **IMO** | The substance is not subject to IMO IMDG Code according to special provision 238 |

Railway transportation The substance should be transported as non-dangerous goods.

## 15. SECTION: REGULATORY INFORMATION

**EU Additional Classification:**

S 36/37

**Safety Statements:**

Wear suitable protective clothing and gloves.

## 16. SECTION: OTHER INFORMATION

The information is based on the current state of our knowledge, however, it does not represent a guarantee of product characteristics and does not establish a contractual legal relationship.

**Division issuing the data sheet:**

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