Product Safety Data Sheet

Data Sheet No: VRLA AGM Issue 5

Date Issued: October 7th, 2026

Legal remark (EU)
These batteries are no "substances" or "mixtures" according to REACH Regulation No 1907/2006 EC, they are "articles" and no substances are intended to be released during handling. Therefore there is no obligation to supply a Safety Data Sheet according to REACH Regulation 1907/2006/EC, Article 31.

General remark
This Product Safety Data Sheet is to be considered as "Instructions for the safe handling of batteries", and is provided voluntarily by PaqPOWER as a service to customers.
The information contained in this Product Safety Data Sheet contains valuable information critical to the safe handling and proper use of the product.
The details presented are in accordance with our present knowledge and experiences, they cannot advise all possible situations.

1 Identification of the substance

Product name: Sealed Lead Acid Battery

Trade name: PaqPOWER Rechargeable Valve Regulated Lead-Acid Battery

Name: PaqPOWER™
Manufacturer's Address: Alsvej 5, DK-8940 Randers SV
E mail: info@paqpower.com
Tel (45) 8711 9999

Responsible person: Quality Manager

2 Hazards Identification

Odour: Not applicable
Appearance: Article as described above
Weight High Density/ Good lifting technique required

Hazards refer to internal component, i.e. lead and electrolytic solution
Contact with eyes: Causes irritation
Contact with skin: May cause dermatitis
Inhalation: May cause irritation
Ingestion: Can cause damage to the kidneys

3 Composition / Ingredient Data

Hazardous Components Chemical Identity	CAS Number	Percent By Weight
Lead and Lead Oxide	7439-92-1 1309-60-0	Approx. 62%
Electrolytic Solution	7664-93-9	Approx. 24%
Glass fibre separator	65997-17-3	Approx. 03%
ABS	9003-56-9	Approx. 11%

4 First Aid Measures

Contact with skin: Remove contaminated clothing immediately and drench affected skin with plenty of water, then wash with soap and water.

Contact with eyes: If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes.

Seek immediate medical attention.

Ingestion: Do not induce vomiting.

Seek immediate medical attention.

Inhalation: Remove patient to fresh air.
Seek medical attention if irritation persists.

5 Fire-Fighting Measures

Auto-ignition point (Hydrogen) 580º C at 760 mm Hg
Wear positive-pressure breathing apparatus
In case of fire use foam, carbon dioxide or dry agent (S43)
Flash point Hydrogen 259º C
Flammable Limits in air, Lower 4.1%
% by 3/4 vol. (Hydrogen)

Fire/explosion
Hydrogen and oxygen gases are produced in the cells during normal battery operation (hydrogen is flammable and oxygen supports combustion).

6 Accidental Release Measures

Immediate Actions: Shut off all ignition sources
Clean Up Actions: Neutralise with soda ash
Place in appropriate container
Ventilate area
Do not empty into drains (S29)

7 Handling and Storage

Under normal conditions of battery use, internal components will not present a health hazard

Handling: Keep away from heat and sources of ignition
Wash hands thoroughly after use
Avoid sparks
Avoid contact with metal jewellery and watches etc.
Do Not Remove Vent Caps
Do not double stack industrial batteries, it may cause damage.

Storage: Keep in cool and dry & Protect from heat.
Store lead acid batteries with adequate ventilation.
Room ventilation is required for batteries utilised for standby power generation.
Never re-charge batteries in an unventilated, enclosed space.

8 Exposure Controls / Personal Protection

Personal protection: Wear safety shoes with toe protector.
Where internal components are liberated use rubber or neoprene boots.
Wear goggles/safety glasses giving complete eye protection.
Respiratory protection may be required under exceptional circumstances when excessive air contamination exists.
Wear PVC mitts, gloves or gauntlets.

Exposure Limits: Lead OES / LTEL - ppm 0.15 mg/m3
Lead Dioxide OES / LTEL - pmm 0.15 mg/m3

9 Physical and Chemical Properties

Odour: Not applicable.
Appearance: Sealed Valve Regulated lead Acid Battery
State under normal temp: Solid
Flash point (Hydrogen):259º C

Internal components
pH - (Sulphuric acid): 1.3 .
Boiling point: Battery Electrolyte 110º C, Lead 1755º C
(at 760 mm/Hg)
Melting point: Lead 327.4º C
Vapour pressure: 11.7
Vapour density: Battery Electrolyte 3.4, (air =1)
Specific gravity: Battery Electrolyte 1.3 g/cm3. (water =1)
Auto-ignition point: 580º deg C at 760 mm/Hg.
Water solubility: Battery Electrolyte is 100% soluble in water

10 Stability and Reactivity

VRLA Batteries are considered stable at normal conditions.
Keep away from heat and sources of ignition.
Incompatible with reducing agents. Incompatible with organic agents.
Decomposition products may include hydrogen.
Decomposition products may include sulphur oxides.

11 Toxicological Information

Danger of cumulative effects. (R33)
May cause severe irritation.
May cause gastro-intestinal disturbances.
Can cause damage to the mucous membranes.

12 Ecological Information

Ecotoxicology - no information available

13 Disposal Considerations

Classification: This material and/or its container must be disposed of as hazardous waste.
Disposal considerations: Do not discharge into drains or the environment, dispose to an authorised waste collection point.

14 Transport Information

We hereby certify that the PaqPOWER range of Maintenance Free Rechargeable Sealed Valve Regulated Lead Acid batteries conform to the UN2800 classification as " Batteries, Wet, Non-Spillable, Electric storage" as a result of complying with the Vibration and Pressure Differential Test described in IATA [Special Provision A67], and IMDG [Special Provision 238.1], and ADR [Special Provision 238(a)].

Therefore, PaqPOWER Sealed Lead Acid batteries are EXEMPT from dangerous goods transport regulations for the purpose of transportation according to IATA, IMDG and ADR, providing the relevant special provision(s) hereunder are followed:

IATA: Special provision A67
IMDG: Special provision 238.2
ADR: Special provision 238(b)

15 Regulatory information

Classification and labelling. Not classified as hazardous for supply.

16 Other Information

Under normal conditions of battery use, internal components will not present a health hazard. The information contained in this Product Safety Data Sheet is provided for battery electrolyte (acid) and lead, for exposure that may occur during battery production or container breakage or under extreme heat conditions such as fire.

This Product Safety Data Sheet and the information therein does not constitute the user's own assessment of workplace risk as required by other Health & Safety legislation.