



Zylux Distribution Pty. Ltd.  
ABN: 66 101 378 009  
166 Christmas Street, Fairfield, VIC, 3078  
Tel: (03) 9482 2203 Fax: (03) 9486 2297

3rd February, 2014

To Whom It May Concern

Certification For Non-Dangerous Goods(Non-Hazardous)

Trade name: Oz Charge (Sealed Lead Acid Gelled Electrolyte Battery)

Ingredient: Case, Seperator, Lead, Terminal, Safety valve

After consultation with the DANGEROUS GOODS OFFICE of the CIVIL AVIATION AUTHORITY, OZCHARGE GEL BATTERIES meet the requirements of Special provision A-67 and Packaging Instruction no. 872. therefore the batteries are not subject to the IATA-DGR regulations. The Oz Charge Maintenance Free Rechargeable Sealed Lead Acid batteries conform to the UN2800 classification as " Batteries, Non- Spillable, and electric storage" as a result of passing the Vibration and Pressure Differential Test described in DOT [49 CFR 173.159(d) and IATA/ICAO [Special Provision A67].

International Maritime Dangerous Goods (IMDG) Amendment 34-08, applicable code, in its' current version. Batteries comply with the requirements of Special Regulation no. 238, items A and B, and test as "NON DG, NON-SPILLABLE BATTERY. "

European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR). Regulations concerning the International Carriage of Dangerous Goods by Rail (RID). Dangerous Goods Regulations in their latest versions. The conditions of Special Regulation no. 238 A & B are fulfilled. Therefore these batteries are not subject to the regulations of ADR and RID.

We hereby certify that the above captioned goods are non-dangerous and non-hazardous materials for sea/air transportation of any nature. The consignment is fully described by proper Shipping name and packed, marked and in proper condition for carriage by sea/air.

Temperature control during transportation is not required for the product.

Also the consignment is packed with protection of exposed terminals so as to prevent the potential danger by short-circuiting.

We also acknowledge that we may be liable for damage resulting from any errors or omissions of this statement. We further agree that any carrier involved in the carriage of this consignment may rely upon this certification.

Yours faithfully,

Zylux Distribution Pty. Ltd.



Zylux Distribution Pty. Ltd.  
 ABN: 66 101 378 009  
 166 Christmas Street, Fairfield, VIC, 3078  
 Tel: (03) 9482 2203 Fax: (03) 9486 2297

Material Safety Data Sheet

Data Sheet No: OCB-XXX-XX-GEL Batteires

Date Issued: January 2014

**1 Identification of the substance**

Product name: Valve Regulated Lead Acid, Gelled Electrolyte Battery

Trade name: Oz Charge

Distributor Name: Zylux Distribution Pty. Ltd.

Distributor Address: 166 Christmas Street, Fairfield, VIC, 3078, Australia





Tel: (03) 9482 2203

Fax: (03) 9486 2297

Responsible persons: QA Representative, Managing Director

**2 Composition / Ingredient Data**

Hazardous Components Chemical Identity	CAS Number	OSHA PEL	ACGIH TLV	Percent By Weight	EC Number	Average
Lead	7439-92-1	50 µg/m <sup>3</sup>	50 µg/m <sup>3</sup>	45-55%	231-100-4	50%
Sulfuric Acid	7664-93-9	100 µg/m <sup>3</sup>	1.00 mg/m <sup>3</sup>	19-24%	231-639-5	21%
Lead Oxide	1309-60-0	50 µg/m <sup>3</sup>	500 µg/m <sup>3</sup>	19-23%	215-174-5	21%

	Risk Phrases	CHIP Symbols	Safety Phrases
Sulphuric Acid	R61,62,20/22,33	  	S1/2,S26,S30,S45
Lead Oxide	R35		None

**3 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 sulphuric acid**

Contact with eyes: Causes irritation

Contact with skin: May cause dermatitis

Inhalation: May cause irritation

Ingestion: Can cause damage to the kidneys



Zylux Distribution Pty. Ltd.  
ABN: 66 101 378 009  
166 Christmas Street, Fairfield, VIC, 3078  
Tel: (03) 9482 2203 Fax: (03) 9486 2297

#### 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) 580° 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 259° 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.



Zylux Distribution Pty. Ltd.  
ABN: 66 101 378 009  
166 Christmas Street, Fairfield, VIC, 3078  
Tel: (03) 9482 2203 Fax: (03) 9486 2297

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/m<sup>3</sup>  
Lead Dioxide OES / LTEL - ppm 0.15 mg/m<sup>3</sup>

## 9 Physical and Chemical Properties

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

### Internal components

pH - (Sulphuric acid): 1.3 .  
Boiling point: Battery Electrolyte 110° C, Lead 1755° C  
(at 760 mm/Hg)  
Melting point: Lead 327.4° C  
Vapour pressure: 11.7  
Vapour density: Battery Electrolyte 3.4, (air =1)  
Specific gravity: Battery Electrolyte 1.3 g/cm<sup>3</sup>. (water =1)  
Auto-ignition point: 580° 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.



Zylux Distribution Pty. Ltd.  
ABN: 66 101 378 009  
166 Christmas Street, Fairfield, VIC, 3078  
Tel: (03) 9482 2203 Fax: (03) 9486 2297

## **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

## **14 Regulatory information**

Classification and labelling Not classified as hazardous for supply