## **MSDS, Material Safety Data Sheet**

# for VRLA (Valve Regulated Lead Acid) batteries labelled *LEADER*, manufactured by **Shenzhen Center Power Tech Co., Ltd, China**

Product: Valve regulated lead acid batteries, *LEADER* 

Description:	Batteries, wet, sealed, maintenance-free, non spillable.
UN No	No:2800
Package:	Group III
Class:	8

Hazardous components:

Item	% w/w
Lead (Pb, PbO <sub>2</sub> , PbSO <sub>4</sub>	70
Sulphuric acid	20
Fiberglass separator	5
ABS	5

#### Physical data

Component	Density	Meltingpoint	Solubility in	Odour	Appearance
	$(g/cm^3)$	(°C)	water		
Lead	11.34	327	None	None	Grey metal
Lead sulphate	6.2	107	40mg/L (15°C)	None	White powder
Lead dioxide	9.4	290	None	Acidic	Brown
					powder
Sulphuric acid	1.3 (20°C)	N/A	100%	None	Colourless
					liquid
Fiberglass	N/A	N/A	Slight	None	White
separator					membrane
ABS	N/A	N/A	None	None	Solid plastics

#### Flammability data

Component	Flashpoint	<b>Explosive limits</b>	Comments
Lead	None	None	
Sulphuric acid	N/A	None	
Hydrogen		4%	Produced only if the battery is overcharged
Fiberglass	None	N/A	
separator			
ABS		N/A	

### Corrosive acid

The battery contains dilute sulphuric acid, which is corrosive. If the acid gets in contact with your clothing or skin, make sure that you wash with clean water. Additionally, if the acid gets into your eyes, flush immediately with plenty of clean water and summon doctor. Acid can cause loss of eyesight and burn injury.