

# 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 (g/cm <sup>3</sup> )	Meltingpoint (°C)	Solubility in water	Odour	Appearance
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 separator	N/A	N/A	Slight	None	White membrane
ABS	N/A	N/A	None	None	Solid plastics

Flammability data

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