

# MATERIAL SAFETY DATE SHEET

According the European directive 2001/58/CE

Date :8/21/2015

## Section 1. Chemical Product

MSDS Name: Valve Regulated Sealed Lead-Acid Batteries

## Section 2. Composition /Information on Ingredients:

Chemical Nature: Lead, Lead Oxide, Lead Sulfate, Sulfuric Acid

CAS-No/EINECS NO.: List as below

Tariff No. 85072000

Dangerous ingredients which have to be mentioned according to 99/45/EEC and it adaptations

Chemical Name CAS No.	HAZARDOUS %by weight	TLV(UNITS)	RISK PHRASES
Lead 7439-92-1	50	N/A	
Lead Oxide 1309-60-0	23	N/A	
Lead Sulfate 7446-14-2	1	N/A	
Sulfuric Acid 7664-93-9	8	1.25-1.35g/m <sup>3</sup>	

## Section 3. Hazards identifications

General:

Under normal operating conditions, the internal material will not be hazardous to your health. Only internally exposed material during production or case breakage or extreme heat (fire) may be hazardous to your health. The Common known rules for handing of chemicals should be obeyed. Do not eat/drink the product.

## Section 4. First -aid measures:

Inhalation:

In case of excessive inhalation remove the person to fresh air and at rest Obtain medical advice.

Skin Contact:

Remove contaminated clothing. Wash affected areas with plenty of water and soap. If irritation occurs, consult a physician.

Eye contact:

Rinse eyes immediately with running water for at least ten minutes. Consult an ophthalmologist.

Ingestion:

Rinse mouth with water Give plenty of water to drink. Do not induce vomiting. Obtain medical advice.

## Section 5. Fire-fighting measures

Suitable extinguishing media:

Carbon dioxide (CO<sub>2</sub>), foam, dry chemical powder.

Extinguishing media not to be used:

Never use a direct water jet.

Personal protective equipments:

Wear full protective clothing. Use self-contained breathing