



REQUIREMENTS FOR STORAGE SYSTEMS RECHARGE BATTERIES AND MAINTENANCE

The Law Decree n°20 of 24th January 2011 states the **quantity of absorbent and neutralizing substances that must be kept in the facilities used to storage, recharge, maintain and replace batteries in case of leakage of the acid solution** and identifies the following law obligations applicable to the different situations:

CHARGING STATIONS

In all areas destined to restore dead batteries and that are therefore equipped with recharging appliances (Rectifiers), to face emergency situations due to accidental spill of acid solution, it is mandatory to keep a quantity of extinguish substance able to guarantee the complete neutralization:

- SMALL STATIONS (up to 5 batteries) of 50% of the electrolyte contained in the battery with the higher acid content.
- MEDIUM STATIONS (up to 20 batteries) of 100% of the electrolyte contained in the battery with the higher acid content.
- BIG STATIONS (over 20 batteries) of 200% of the electrolyte contained in the battery with the higher acid content.

If these areas are also destined to replacement of fully used batteries (with pulleys, wagons or rolls, fork-lift trucks, etc.), the above quantities must be doubled.

Moreover, all users of battery powered electrical means are obliged to keep the supplier's declaration indicating the content of acid solution (in litres) for every battery of the equipment, unequivocally identified with a matriculation number.

For resellers of:

STARTER BATTERIES

Considering the different number of handled batteries and the different types of handling and manipulation required for the carrying out of each activity, **the certified absorbent and neutralizing substance that must be mandatorily kept to face emergencies caused by possible spills, must correspond to the quantity necessary to fully extinguish the volumes of acid solution hereunder indicated according to the sector of activity:**

- WHOLESALE WAREHOUSES 200 litres (Representative offices)
- RETAIL WAREHOUSES 100 litres (Spare parts dealers, car and motorbike dealerships)
- RECHARGE AND REPLACEMENT STATION 25 litres

Attachment 1 of the Decree states some features and obligations referred to absorbent and neutralizing powder, more specifically:

- Absorbent and neutralizing substances must be previously tested by Universities and specialized Institutes (*our SOLFORLESS has been tested by Politecnico of Milan*)
- In the certification of functional compliance it must be specified the quantity of product necessary to fully absorb and neutralize a litre of acid solution that, being referred to charged elements, has a density of about 1,27 kg/dmc, (*for our SOLFORLESS tested by Politecnico of Milan it has been verified that the quantity necessary to fully absorb and neutralize a litre of solution is 530 g*)
- For elements where the electrolyte is in a gelatinous form (Gel batteries), the quantity of product necessary to neutralize the unite of volume remains unchanged because, at equal capacity, the elements contain the same quantity of electrolytic substance, liquid or gelatinous, with equal percentage of sulfuric acid.

The tested product must be used according to the manufacturer's instructions and compulsorily replaced at the expiry of the validity period of its full efficacy, that must be clearly indicated on its package.

Our product SOLFORLESS allows to fulfill the obligations of the law and with a very little quantity of products (530g for 1 litre of electrolyte) it is possible to **perfectly absorb and neutralize** the sulfuric acid contained in the batteries. *We remind that SOLFORLESS has a duration of 6 years and it can be collected and regenerated at its expiry.**

*in case of reorder Airbank undertakes to pick up the product at your premises without any cost (if intact and in a minimum quantity of 1 pallet of 300kg), and then to regenerate and offer it at a price equal to the current price list.