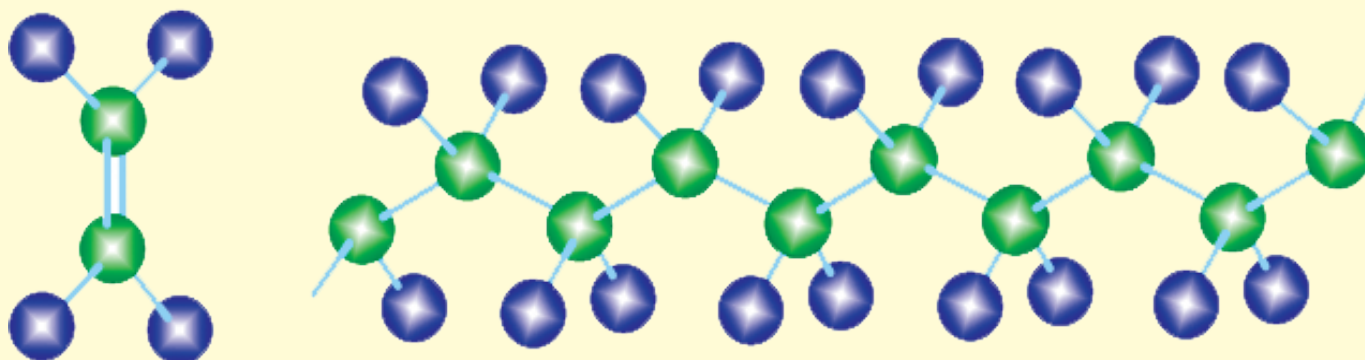




PAM EFFICIENCY ACITIVATOR : (For Automotive and VRLA Positive Plate)



Pam Efficiency Activator offers a battery plate that virtually eliminates flaking and shedding of positive plate active materials i.e. the main reason for battery failure. The Pam Efficiency Activator forms fibers, and these fibers create a complex matrix that traps and binds the active material together. The result of shedding and flaking are virtually eliminated, the lead paste remains cohesive, and contact with the positive grid remains in place for a longer period, by elimination of cracks.

Pam Efficiency Activator improves the electrochemically active composite masses used on the grid metal alloy. The plasticity and smoothness of paste increased. Pam Efficiency Activator working on paste density & chemical changes that improve ionic conductivity or electronic conductivity in the positive active material.

PAM efficiency Activator increases specific energy and porosity of the plates. If the porosity of the positive active material is increased, the diffusion of electrolyte into the plate is enhanced and thus more of the active material will react, which again increases the specific energy. The magnitude of both these effect depends on both the discharge rate & the battery design.

The maximum increase in utilization is reached with addition of PAM Efficiency Activator. The positive grid is subject to corrosion the rate of this debiliating process is influenced by grid composition & microstructure, Plate potential, electrolyte composition, temperature.

The corrosion is generally more electrically resistive than the grid & thus diminishes the output of the battery in extreme cases, corrosion results in disintegration of the grid & collapse of the plate.

For flat design of positive plates, expansion normal to the plate can be moderated by applying a compressive force to the plate group. PAM Efficiency Activator provides binding protective shell to paste while charge and discharge mechanism, thus it provides long lasting reinforcement to the paste on the battery plate. By use of this positive plates have long cycle life and high coefficient of utilization.

It increases mechanical and binding strength of the plates.

Dosage : 20 ML per 100 kg of oxide paste material.

Packing : 1 Kg Jar

Storage : Store in a cool & dry place

