

BIO GREEN SURFACTANT BUFFER SOLUTION



THE BUFFER SOLUTION

INCI : Aqua, Sodium Lactate, Lactic Acid

COMPOSITION :

Raw Materials	% Material
Sodium Lactate	31,5%
Lactic Acid	18,54%
Water	49,96%

PH ADJUSTMENT :

Using a buffer solution containing an acid/base pair with a weak base such as sodium lactate or sodium gluconate is recommended. These weak bases should be mixed with their corresponding acid (lactic acid or gluconic acid) to obtain the buffer solution. Due to its ester bond, Arachidyl/Behenyl Betainate Esylate can be affected by high pH.

The buffer solution will maintain a pH around 4.

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THE BUFFER SOLUTION, WHAT IS IT ?

A blend of lactic acid and sodium lactate. Use it to adjust your formulas to the ideal pH. This combination of an acid and a weak base will maintain the pH of your formulas around 4.

2

WHY DO WE NEED IT ?

It provides the best conditions for the pH-sensitive ester bond, which is present in the cationic head of **BIO GREEN SURFACTANT**, to perform optimally and stabilize your formulas.

3

WHEN TO USE IT ?

Essential in emulsions

The buffer solution should be added at the end of the formulation, after cooling.



Useful in solids

It is necessary to use a buffer solution when you need to raise the pH of your formulas. It can be added at the end of the melting process.

