

# Effer-Soda<sup>®</sup>

Sodium Bicarbonate

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# Effer-Soda® Sodium Bicarbonate



**Effer-Soda**, is a highly stable, surface modified sodium bicarbonate powder developed for use in pharmaceutical and nutraceutical applications. It addresses the challenges formulators face

when working with effervescent applications by removing trial and error. Effer-Soda helps formulators to develop stable effervescent formulations regardless of packing forms.

## Enhanced Stability

A physical mixture of sodium carbonate, sodium bicarbonate cannot achieve results similar to Effer-Soda. Since sodium carbonate is not present throughout the tablet, there are local areas of contact between sodium bicarbonate and acid. If there is the presence of a slight amount of water, the formulation will effervesce and produce additional water. This will eventually create stability issues; however, with Effer-Soda, you get total protection. Each particle is surface modified to prevent an early reaction, **making a difference** in your product's stability performance.



# Variety of Packaging Options

To differentiate the finished formulation, Effer-Soda offers you a variety of packaging options. Using sodium bicarbonate, the formulation needs to be packed in a tube pack with a desiccant. However, an effervescent formulation using **Effer-Soda** can be used in the strip, blister and sachet packaging options, helping the formulator differentiate their product in the market.



APPLICATION	PERCENT OF EFFER-SODA USED
Organoleptic enhancement in orodispersible systems	1 - 4% of formulation
Effervescent system within tablet or sachet	15 - 25% of formulation
pH buffering within formulation (no acid added) like floating drug delivery system	5 - 25% of formulation

## Differentiating Formulations

Beyond uses in effervescent tablets and sachets, Effer-Soda can provide effervescence within a chewable or fast disintegrating system to improve organoleptics and taste profile. Micro environmental pH modification improves the release of weakly acidic drugs.



**Excipients for Swallow Tablets**



**Taste Masked Actives**



**ODTs/ODPs**



**Effervescent Tablets**



**Vaccine Adjuvants**



**Soft Gel Capsules**



**Antacid & Laxative Ingredients**



**Chewable Tablets & Lozenges**



**Nutraceutical Applications**

**Effer-Soda® removes trial and error and helps formulators develop stable effervescent regardless of packing forms.**

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