



S-Carb®: The 10% Advantage

S-Carb, purified sodium sesquicarbonate, is a unique sodium source for Animal Nutrition. It is only manufactured by Genesis Alkali Wyoming in Green River, WY, mined from the world's largest deposit of naturally occurring trona ore. Similar to sodium bicarbonate, S-Carb is an excellent source of sodium without chloride and is a very effective tool for raising the dietary electrolyte balance of both dairy and poultry rations.

However S-Carb has certain advantages over sodium bicarbonate. There are nutritional advantages with a higher sodium content, that allow 10% less inclusion levels to meet equal sodium levels; the free flowing characteristics of S-Carb make it easier to handle and mix than alternatives; and the non-hygroscopic nature keeps S-Carb stable in most environments.

The table below highlights the Advantages of S-Carb vs. Sodium Bicarbonate

	S-Carb®, purified sodium sesquicarbonate	Sodium bicarbonate	S-Carb Advantage
Chemical Formula	Na ₂ •NaCO ₃ •H ₂ O	Na ₂ •CO ₃	
Purity	100%	100%	
Sodium % (Na%)	30.4%	27.1%	10%
Equivalent Wt. <i>Amount required to absorb equal amounts of acid</i>	75.3	84.0	10%
acid absorbed to reach equal pH <i>1gm in 500 ml water to pH 4.1</i>	26.5ml 0.5N HCl	23.8ml 0.5N HCl	10%
DEB meq/kg	13,223	11,787	10%