

## **Sodium Bicarbonate**

### **What is sodium bicarbonate?**

Sodium bicarbonate is commonly known as baking soda. Its molecular formula is  $\text{NaHCO}_3$ .

### **How is sodium bicarbonate used in livestock feeds?**

In cattle feeds sodium bicarbonate is used as a rumen buffer. It may also be used as sodium source when balancing dietary electrolytes.

### **Are there differences between sodium bicarbonate brands?**

There are several producers of sodium bicarbonate. If the product is labeled USP (United States Pure), it is pure sodium bicarbonate. The particle size of the sodium bicarbonate is often the largest variable between brands. FMC's feed grade sodium bicarbonate is 100% pure and manufactured to be consistent and as coarse as possible to reduce dust and product fines.

### **Where does sodium bicarbonate come from?**

There are several sources of sodium bicarbonate. Sodium bicarbonate may be manufactured from soda ash and carbon dioxide, manufactured from processed trona ore and carbon dioxide, or purified from naturally occurring sodium bicarbonate deposits. The majority of the sodium bicarbonate available to the feed industry starts out as trona ore from the Green River basin in Wyoming. The trona ore is purified to soda ash or sodium sesquicarbonate which is then used to manufacture sodium bicarbonate.

### **Why is FMC a preferred sodium bicarbonate supplier?**

FMC is basic in all of the ingredients used to manufacture sodium bicarbonate. We mine trona ore in Green River, Wyoming and process it, using a patented process to manufacture sodium bicarbonate. No other supplier of sodium bicarbonate is as integrated into the entire process from mine to finished product. FMC was one of the first suppliers of feed grade sodium bicarbonate to obtain ISO 9002 certification. This is an internationally recognized certification of purity and quality commitment.

**“ Committed to being our Customers Most Valued Supplier”**