



## Technical Datasheet

# SODIUM BICARBONATE

### Description

Sodium Bicarbonate also named as sodium hydrogen carbonate, with chemical formula of  $\text{NaHCO}_3$ , is a common chemical compound which is widely used in various industries. Sodium Bicarbonate is a salt composed of a sodium cation ( $\text{Na}^+$ ) and a bicarbonate anion ( $\text{HCO}_3^-$ ). Sodium bicarbonate is a white crystalline solid, but often emerging as fine powder. Sodium Bicarbonate has a salty alkaline taste similar to washing soda (sodium carbonate). Sodium Bicarbonate is a very weak base which is soluble in water and dissociates into sodium ( $\text{Na}$ ) and bicarbonate ( $\text{HCO}_3$ ) ions in solution.

### Application

Sodium Bicarbonate is widely used in different industries, with different applications such as pyrotechnics, mild disinfectant, neutralization of acids, fire extinguisher, odor control, agriculture, cleaning agent and drilling fluids treatment while contamination with cement.

### Advantages

- Non-hazardous chemical and generally recognized as safe
- Very common Product
- Cost-effective product
- Various applications

### Typical Properties

APPEARANCE	White granular powder
SPECIFIC GRAVITY	2.2
pH (1 gr/350 cc solution)	8-8.5
Purity	Minimum 95%
Solubility	Soluble in water

### Packaging

Sodium Bicarbonate is available in 25 & 50 KG SXS.