

Chemical Name: Sodium Bicarbonate
Country Of Origin: United States
Origin: Nahcolite
Formula: NaHCO₃
Molecular Weight: 84.01
CAS Name & Number: Sodium Hydrogen Carbonate/144-55-8
E Number: 500(ii)
Description: White, Crystalline Powder
Grade: Industrial Grade

<u>Screen Analysis</u>			
Cumulative Percent Retained			
<u>U. S. Std. Sieve No.</u>	<u>Minimum</u>	<u>Maximum</u>	
+100	0	80	
+200	20	100	
+325	50	100	

Bulk Density
Poured Typical Range: 65 - 75 lbs / ft³

Theoretical Properties: **The following properties are provided for convenience and reference only. These properties are not normally tested in the commercial product and no representation is made relative to the commercial product.**

Thermal Decomposition: Decomposes (without melting) into Na₂CO₃, H₂O, and CO₂

Alkali Equivalent: 1 lb. NaHCO₃ = 0.369 lb. Na₂O

Carbon Dioxide Equivalent: 1 lb. NaHCO₃ = 0.524 lb. CO₂

Specific Gravity: 2.16 g / cm³

Specific Heat @ 25 °C: 20.94 cal / deg mol

Solubility In Water @ 60 °C: 16.4 g / 100 g H₂O

Solubility In Other Solvents: Insoluble in Alcohol

Heat Of Formation: - 227.25 K cal / mol

Heat Of Solution: 3.81 K cal / mol

Sodium (Na): 27.1% Minimum

Taste: Slightly alkaline



Packaging::

Multi-wall Paper Bags: 25 kg, 50 lb
 Super Sacks: 1000 kg, 2000 lb,
 2450 lb
 Bulk: Truck & rail

Shelf Life:

2 years from manufacturing date.

Handling:

Information concerning the handling and use of this product is provided in a Safety Data Sheet (SDS). This SDS must be fully read and understood prior to any exposure, handling, or use of the product. It is the customer's responsibility to adhere to all handling, storage, and use guidelines.

Applications:

Chemical processing, cleaning compounds, dry fire extinguishers, flue gas desulfurization, leather tanning, oil well drilling fluids, paper manufacturing, swimming pool treatments, textiles, water and waste water treatment.