



TECHNICAL INFORMATION

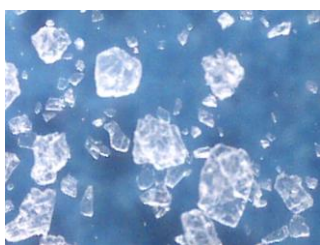
SODIUM BICARBONATE INDUSTRIAL NO. 5 COARSE GRANULAR

Revised
May, 2009

CHEMICAL NAME: Sodium Bicarbonate
FORMULA: NaHCO₃
MOLECULAR WEIGHT: 84.01
CAS NAME: Carbonic acid monosodium salt
CAS NUMBER: 144-55-8
DESCRIPTION: White, crystalline powder
GRADE: Industrial No. 5 Coarse Granular



PROPERTIES:



SCREEN ANALYSIS:

Cumulative Percent Retained

U. S. Std. Sieve No.	Minimum	Maximum
+ 60	00	30
+ 100	40	100
+ 170	80	100

BULK DENSITY: poured – Typical range: 63 to 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
TASTE: Slightly alkaline

PACKAGING:

Multi-wall Paper Bags: 50 lbs.
Super sacks: 2000 lbs. and 2450 lbs.

Color Code: GREEN

HANDLING:

Information concerning the handling and use of this product is provided in a material data sheet (MSDS). This MSDS must be fully read and understood prior to any exposure, handling, or use of the product.

APPLICATIONS:

Deodorizers, dry bleaches, chemical applications, swimming pool treatments

The information herein is believed to be reliable. However, no warranty, expressed or implied, is made as to the accuracy or completeness and none is made as to merchantability of the material or its fitness for any purpose. The manufacturer shall not be liable for consequential damages or for damage to persons or property resulting from its use. Nothing herein shall be construed as a recommendation for use in violation of any patent.