

## Technical Data

# Sodium Bicarbonate

## Industrial Grade

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<b>Formula</b>	NaHCO <sub>3</sub>
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<b>Molecular Weight</b>	84.01
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**Chemical Abstract Services**

Name	Carbonic Acid Monosodium Salt
Number	144-55-8

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**Particle Size Distribution**

Screen Size	Cumulative % Retained	
	Minimum	Maximum
USS 100 (150 μm)	5	80
USS 200 (75 μm)	20	100
USS 325 (45 μm)	50	100

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**General Properties**

Typical bulk density, lb/ft <sup>3</sup> (kg/m <sup>3</sup> )	67 (1074)
Particle density, g/cm <sup>3</sup>	2.22
pH of 1% solution @ 25°C (77°F)	8.3
Appearance	White crystalline powder
Thermal decomposition	Decomposes (without melting) into Na <sub>2</sub> CO <sub>3</sub> , H <sub>2</sub> O, and CO <sub>2</sub>

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**Standard Containers**

50 lb (22.7 kg) bags  
One ton super sacks  
Bulk hopper cars and trucks

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**Uses**

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

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