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 Technical Data

# Sodium Bicarbonate

## No. 6

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**Formula** NaHCO<sub>3</sub>

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**Molecular Weight** 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)	85	100

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**General Properties**

Typical bulk density, lb/ft<sup>3</sup> (kg/m<sup>3</sup>) 66 (1058)  
 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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**Chemical Specifications**

	Specification
Assay (dry basis)	99.0% - 100.5%
Loss on drying	0.25% max

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**Standard Containers**

Bulk hopper cars and trucks, Super Saks

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