

Technical Data

Sodium Bicarbonate

Industrial Grade

Generally Regarded as Safe for Humans and Animals

Formula	NaHCO ₃
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Molecular Weight	84.01
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Chemical Abstract Services

Name	Carbonic Acid Monosodium Salt
Number	144-55-8

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

General Properties

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

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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