
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 (typical)	
	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

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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