



Product Data Sheet

Soda Ash Dense

Product Markets and Uses

	Meets Requirements
Glass	AWWA B201-03
Chemical intermediates	ANSI/ASTM 0458-85 (1998)
Soap and detergent formulations	Federal Spec. O-S-571G (11/13/97)
Water Treatment	Standard 60 (Plant Certified 9/90)
Flue Gas Desulfurization	NF19
Pulp and Paper	NSF Certified
Foods	Food Chemical Codex, Kosher, ISO/QS 9002

Properties

Appearance White powder

Chemical Formula Na_2CO_3

Molecular Weight 105.99

Absolute density, g/cm³ @ 25°C 2.533

Melting Point 1563°F, 851°C

Solubility, max % @ 35.4°C 33.2

pH of 1% solution @ 25°C 11.34

Chemical Properties

	Typical Specification	
NaCl weight %	0.0066	0.02 Max
SiO ₂ %	0.012	0.02 Max
Organic Matter as C %	0.0038	0.02 Max

Bri-Chem Supply Corp.
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Denver, CO 80216
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Physical Properties

	Typical Specification	
Sodium Carbonate (Na ₂ CO ₃)	99.9	99.5 Min
Bulk Density: lb/ft ³	64.4	62.4 – 68.6
GPL	1034	1000 – 1100
Screen Analysis, cumulative weight %		
On US30 (600 μm)	1.2	4 Max
US100 (150 μm)	92.3	85 Min
ThruUS200 (75 μm)	1.0	2 Max

Handling

Soda Ash Dense may cause eye injury and skin irritation. Refer to MSDS for complete details.

*All weights are approximate. The information and data contained herein are believed to be accurate and reliable. Bri-Chem Supply Corp. makes no warranty of any kind and accepts no responsibility for the results obtained through application of this information.

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