

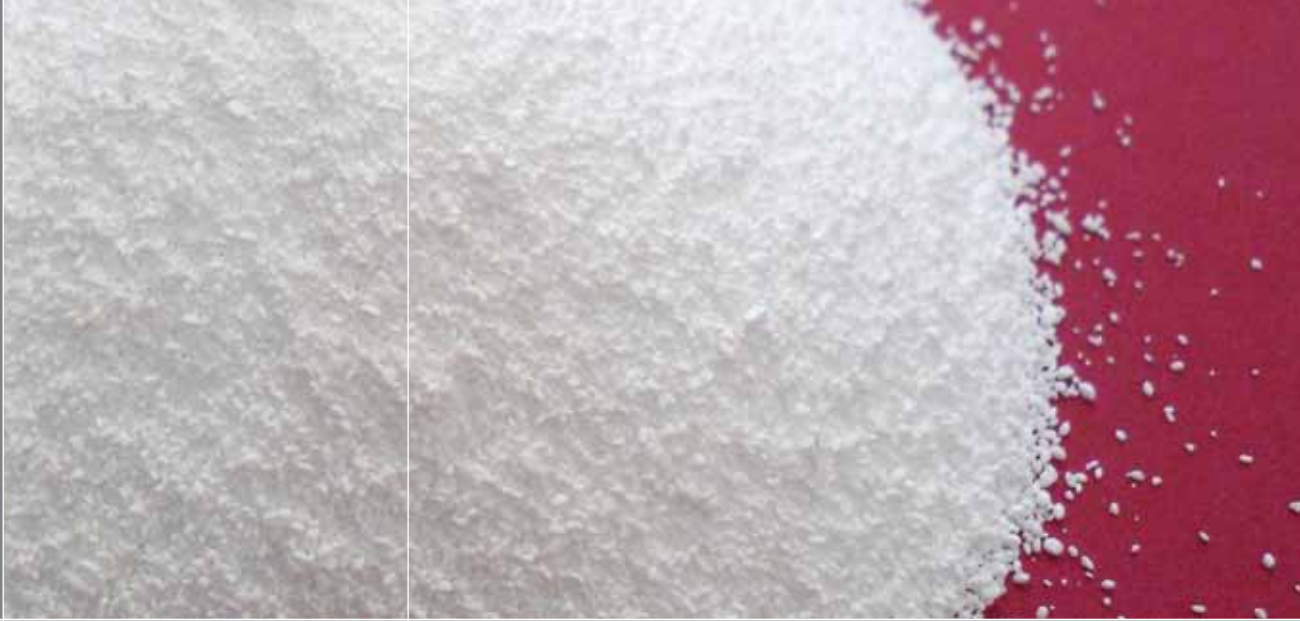
SODA ASH

SODIUM CARBONATE, ANHYDROUS High Purity Grade

PRODUCT DATA

CAS # 497-19-8

Item	Specification
Formula	Na ₂ CO ₃
Nomenclature	Sodium Carbonate, Anhydrous Soda Ash
CAS Index Name	Carbonic Acid Disodium Salt
Grade	High Purity Soda Ash
Molecular Weight	106.0



Description

- Sodium carbonate, anhydrous, is a white odorless, granular material, free of visible contamination
- Meets Federal Specification O-S-571 G, Type III
- Meets AWWA Standard B201-08 (railcars and bagged lots)
- Meets AWWA Standard B201-03 (bulk trucks from plant)
- Meets chemical requirements of ASTM Specification D458-79
- It has been certified by NSF International to ANS/NSF Standard 60-1988 for use in the treatment of drinking water at a maximum dosage of 100mg/L
- Kosher Certified by Orthodox Union
- Halal Certified by The Islamic Food & Nutrition Council of America
- Meets FCC and USP requirements (NF 25/USP 30)
- Generally regarded as safe (GRAS) for use in food and food products by the FDA as listed under 21 CFR 184.1742

Containers

- Hopper Rail Cars



OCI CHEMICAL CORPORATION

Five Concourse Parkway, Suite 2500
Atlanta, Georgia 30328
Phone: 1.800.865.1774
www.ocichemical.com

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PRODUCT DATA — PAGE 2

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The following tables are for:
Dense, High Purity Grade

SPECIFICATIONS	Property	Specification	Typical
	Sodium Carbonate (%Na ₂ CO ₃)	99.8 minimum	99.9
	Sodium Oxide (%Na ₂ O)	58.3 minimum	58.4
	Sodium Sulfate (Na ₂ SO ₄)	1,000 ppm	200 ppm
	Sodium Chloride (NaCl)	100 ppm	75 ppm
	Water Insolubles	250 ppm	150 ppm
	Bulk Density , Lbs/Ft ³	56.0 minimum	60
	Sieving , % (Cumulative):		
	On 20 mesh (850 um)	0.4 maximum	0.1
	On 30 mesh (600 um)	5.0 maximum	0.7
On 100 mesh (150 um)	90.0 minimum	98.2	
Through 200 mesh (75 um)	2.0 maximum	0.4	

The following are some uses for sodium carbonate:

USES	Industry	Applications
	Agriculture	Water pond sealant
	Ceramics and Glass	Manufacture of ceramics and glass
	Chemical	<ul style="list-style-type: none"> • Manufacture of sodium compounds • Photographic materials • Neutralization of acids, for pH adjustment • Stack gas scrubbing
	Metallurgy	<ul style="list-style-type: none"> • Aluminum production • Metal processing
	Petroleum	<ul style="list-style-type: none"> • Petroleum refining • Drilling muds
	Pulp and Paper	Manufacture of pulp and paper
	Soap and Synthetic Detergents	<ul style="list-style-type: none"> • Manufacture of soaps, cleaners and detergents • Saponification of fatty acids
	Textiles	<ul style="list-style-type: none"> • Manufacture of textiles • Cotton/fabric bleaching
	Water and Waste Treatment	pH and alkalinity
Gas Treatment	Flue gas scrubbing for removal of SO ₃	



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