

SODA ASH**TECHNICAL DATA SHEET**

BC19115E

UN: Not regulated

CAS: 497-19-8

CHEMICAL FORMULA: Na_2CO_3

MOLECULAR WEIGHT: 106.00

PHYSICAL PROPERTIES

Soda ash is a white, anhydrous powdered or granular material. When exposed to air, soda ash slowly absorbs moisture and carbon dioxide to form trona $\text{Na}_3(\text{HCO}_3)(\text{CO}_3) \cdot 2\text{H}_2\text{O}$. It is readily soluble in water forming an alkaline solution.

MELTING POINT	854°C
SOLUBILITY IN WATER @ 20°C	17.5 % by wt.
pH (10% solution) @ 25°C	11.6

SPECIFICATIONS

	LIGHT	DENSE
SODIUM CARBONATE (Na_2CO_3), %	99.1 min.	99.2 min.
SODIUM (Na_2O), %	58.0 min.	58.0 min.
SODIUM SULPHATE (Na_2SO_4), ppm	1500 max.	400 max.
SODIUM CHLORIDE (NaCl), ppm	2500 max.	2500 max.
IRON (Fe_2O_3), ppm	20 max.	20 max.
INSOLUBLE MATTER in WATER, %	0.05 max.	0.05 max.

TYPICAL SIEVE ANALYSIS

US STANDARD SIEVE	Light	Dense
+ 20 MESH, %	-	3 max.
+ 30 MESH, %	-	15.0 max.
+ 100 MESH, %	-	80.0 min.
- 200 MESH, %	-	7.0 max.
BULK DENSITY, g/cc	0.44 - 0.87	0.83 – 1.16

APPLICATIONS

- Glass manufacture
- Sodium compounds
- Water treatment
- Textile processing
- Pulp and paper manufacture
- Soaps and detergents
- Aluminium production
- Petroleum refining

COMMERCIAL INFORMATION

Both grades of soda ash are available in bags. It is also available in blower trucks. Conforms to the specifications of the latest version of **AWWA B201** Standard.

Available upon request, **ANSI/NSF 60** certified material is available on request. The maximum dosage in potable water is 100 or 150 mg/l (depending on the manufacturer).

CONSTRUCTION MATERIALS

Soda ash is incompatible with aluminium, epoxy, lead, tin, zinc and alloys of these metals, but is compatible with most of others commons materials.

For further information please contact your Brenntag Canada Inc. Technical Representative.

Brenntag Canada Inc.

BEFORE USING THIS PRODUCT, READ MATERIAL SAFETY DATA SHEET AND LABELS ON CONTAINERS.
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