

Soda Ash Food Grade



FOOD GRADE
098-0144

CHARACTERISTICS

Tata Chemicals Food Grade Dense soda ash, or sodium carbonate (CAS Name: disodium carbonate), is a white, granular, alkaline material. It meets all of the requirements of Food Chemical Codex and is manufactured using Good Manufacturing Practices.

PROPERTIES*

Chemical Formula	Na ₂ CO ₃
Molecular Weight	105.99
Absolute density, g/cm ³ @ 25°C	2.533
Melting Point, °C	851
Solubility, max % @ 35.4 °C	33.2
pH of 1% solution @ 25°C	11 .34

* Properties of pure sodium carbonate

** See graph on back for solubility at other temperatures

PHYSICAL PROPERTIES

TYPICAL SPECIFICATION

Sodium Carbonate (Na ₂ CO ₃) %	99.9	99.5
Bulk Density: lb/ft ³	64.4	62-68
GPL		1000-1100
Screen Analysis, cumulative weight%		
On US 30 (600 µm)	1.1	
US 100 (150 µm)	93.5	
Thru US 200 (75 µm)	0.7	

CHEMICAL PROPERTIES

NaCl weight %	0.0066	0.02 max
SiO ₂ %	0.012	0.02 max
Organic Matter as C %	0.0038	0.01 max
Heavy Metals as Pb ppm	3	10 max
Lead as Pb mg/kg		4 max
Loss on Drying %	0.05	1 max

PRODUCT MARKETS & USES

- Foods
- Water treatment

MEETS REQUIREMENTS:

- AWWA B201-03
- ANSI/ASTM 0458-85 (1998)
- Federal Spec. O-S-571G (11 /13/97)
- Standard 60 (Plant Certified 9/90)
- NF19
- NSF Certified
- Food Chemical Codex
- Kosher
- HALAL
- ISO/QS 9001 : 2010

GRADES, FORMS & SHIPPING CONTAINERS

- Food Grade* Bulk hopper cars and trucks
50lb (22.7 kg) bags
One-ton Super sacks

*Suitable for water treatment in accordance with AWWA Standard B201-92 for soda ash.

PRODUCING/SHIPPING LOCATION

Green River, WY

SHIPPING REGULATIONS

Not regulated

SOLUBILITY IN WATER



PRODUCT SAFETY INFORMATION

Soda ash may cause eye injury and skin irritation. May be harmful if swallowed.

As with any chemical, soda ash requires care in handling. Anyone responsible for the procurement, use or disposal of this product should familiarize himself and those handling it with the appropriate safety and handling precautions. This information is available in the Material Safety Data Sheet, which may be obtained by contacting our Customer Service or Technical Service groups (see information below).

In the event of an emergency with this product, call the 24-hour Tata Chemicals emergency number: (800)819-8568.

HOW TO ORDER

To obtain additional information*, place an order, obtain samples or pricing, or check on availability, call us toll-free at (800)819-8568, or send written inquiries to our address below.

*Soda ash Product Bulletin (NO. GC100P)

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