

# Soda Ash Food Grade



**FOOD GRADE**

**098-0144**

## CHARACTERISTICS

General Chemical 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 <sub>2</sub> CO <sub>3</sub> |
| Molecular Weight                           | 105.99                          |
| Absolute density, g/cm <sup>3</sup> @ 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 <sub>2</sub> CO <sub>3</sub> ) % | 99.9 | 99.5      |
| Bulk Density: lb/ft <sup>3</sup>                      | 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 <sub>2</sub> %     | 0.012  | 0.02 max |
| Organic Matter as C %  | 0.0038 | 0.01 max |
| Heavy Metals as Pb ppm | 3      | 10 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
- ISO/QS 9002

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## 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.

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## PRODUCING/SHIPPING LOCATION

Green River, WY

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## SHIPPING REGULATIONS

Not regulated

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## 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 General Chemical emergency number: (800)819-8568.

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## 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. GC1000P)

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