

# Soda Ash Dense



**DENSE ASH**  
098-0140

## CHARACTERISTICS

General Chemical Dense soda ash, or sodium carbonate (CAS Name: disodium carbonate), is a white, granular, alkaline material.

### 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 Min
Bulk Density: lb/ft <sup>3</sup>	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
Thru US200(75 µm)	1.0	2 Max

### CHEMICAL PROPERTIES

NaCl weight %	0.0066	0.02 max
SiO <sub>2</sub> %	0.012	0.02 max
Organic Matter as C %	0.0038	0.02 max

### PRODUCT MARKETS & USES      MEETS REQUIREMENTS:

- Glass
- Chemical intermediates
- Soap and detergent formulations
- Water treatment
- Flue Gas Desulfurization
- Pulp and Paper
- Foods
- 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

## GRADES, FORMS & SHIPPING CONTAINERS

- Dense Ash\* 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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