

# Soda Ash Natural Light



TATA CHEMICALS NORTH AMERICA, INC.

Natural Light™  
098010000NLF

## CHARACTERISTICS

Natural Light™ low-density 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	11.4

\* Properties of pure sodium carbonate

\*\* See graph on back for solubility at other temperatures

PHYSICAL PROPERTIES	TYPICAL	SPECIFICATION
Absorptivity weight %	19	18 min
Bulk Density: lb/ft <sup>3</sup>	48	44-54
g/cm <sup>3</sup>	0.77	0.70-0.86
Screen Analysis, cumulative weight%		
On US30 (600 μm)	1	-
US40 (425 μm)	8	25 max
US100(150 μm)	88	-
ThruUS200(75 μm)	2	7 max

## CHEMICAL PROPERTIES

Na <sub>2</sub> O weight %	58.4	58.0 min
Na <sub>2</sub> CO <sub>3</sub> weight %	99.8	99.2 min
Na <sub>2</sub> SO <sub>4</sub> weight %	0.04	0.10 max
NaCl weight %	0.03	0.10 max
Fe <sub>2</sub> O <sub>3</sub> ppm	7	20 max
Arsenic, ppm	-	3 max
Heavy metals as Pb, ppm	-	10 max
Water insolubles, weight %	0.01	0.05 max

## PRODUCT MARKETS & USES

- Soap and detergent formulations
- Water treatment
- Manufacture of dyes
- Chemical intermediates

## MEETS REQUIREMENTS:

- AWWA B201-98
- NSF Certified
- Food Chemical Codex
- Kosher

---

## GRADES, FORMS & SHIPPING CONTAINERS

- Natural Light soda ash\* Bulk hopper cars and trucks

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

---

## PRODUCING/SHIPPING LOCATION

Green River, WY; Syracuse, NY (Packaged Only)

---

## 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. GC1000P)

All information, statements, data, advice and/or recommendations, including, without limitation, those relating to storage, loading/unloading, piping and transportation (collectively referred to herein as "information") are believed to be accurate and reliable. However, no representative or warranty, express or implied, is made as to its completeness, accuracy, fitness for a particular purpose or any other matter including without limitation, that the practice or application of any such information is free of patent infringement or other intellectual property misappropriation. Tata Chemicals is not engaged in the business of providing technical, operational engineering or safety information for a fee, and, therefore, any such provided herein has been furnished as an accommodation and without charge. All information provided herein is intended for use by persons having requisite knowledge, skill and experience in the chemical industry. Tata Chemicals shall not be responsible or liable for the use, application or implementation of the information provided herein, and all such information is to be used at the risk, and in the sole judgment and discretion, of such persons, their employees, advisors and agents.