# **Soda Ash Natural Light**



## Natural Light™ 99000103

### **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>C03 Molecular Weight 105.99 Absolute density, g/cm³ @ 25°C 2.533 Melting Point, °C 851 33.2 Solubility, max % @ 35.4°C pH of 1% solution @ 25°C 11.4

<sup>\*\*</sup> See graph on back for solubility at other temperatures

PHYSICAL PROPERTIES	TYPICAL	SPECIFICATION
Absorptivity weight %	19	18 min
Bulk Density:lb/ft³	48	44-54
g/cm³	0.77	0.70-0.86
Screen Analysis, cumulative weight%	6	
On US30 (600 pm)	1	
US40 (425 pm)	8	25 max
US100(150 pm)	88	2.5
ThruUS200(75 pm)	2	7 max
CHEMICAL PROPERTIES		
Na20 weight %	58.4	58.0 min
Na <sub>2</sub> C03 weight %	99.8	99.2 min
Na₂S04 weight %	0.04	0.10 max
NaCI weight %	0.03	0.10 max
Fe203 ppm	7	20 max
Arsenic, ppm	- E	3 max
Heavy metals as Pb, ppm	€.	10 max
Water insolubles, weight %	0.01	0.05 max

#### PRODUCT MARKETS & USES **MEETS REQUIREMENTS:**

- Soap and detergent formulations
  AWWAB201-98
- Water treatment
- Manufacture of dyes
- NSF Certified
- Food Chemical Codex
- Chemical intermediates
- Kosher

<sup>\*</sup> Properties of pure sodium carbonate

#### **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.

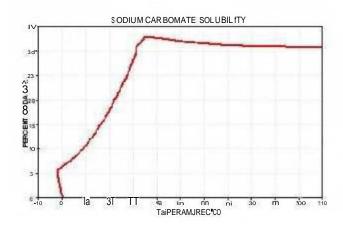
#### PRODUCING/SHIPPING LOCATION

Green River, WY; Brampton, ON (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)

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