

# Soda Ash Natural Light HA



General Chemical  
Industrial Products

Natural Light-HA™ (High Absorbitivity)

0980100HANLF

## CHARACTERISTICS

Natural Light-HA™ low-density soda ash, or sodium carbonate (CAS Name: disodium carbonate), is a white, granular, alkaline material. It has higher absorbitivity than standard Natural Light soda ash.

### 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

|                                     |      |           |
|-------------------------------------|------|-----------|
| Absorbitivity, weight%              | 21   | 20 min    |
| Bulk Density: lb/ft <sup>3</sup>    | 45   | 43-46     |
| g/cm <sup>3</sup>                   | 0.73 | 0.70-0.74 |
| Screen Analysis, cumulative weight% |      |           |
| On US30 (600 µm)                    | 4    | -         |
| US40 (425 µm)                       | 20   | 25 max    |
| US100 (150 µm)                      | 85   | -         |
| Thru US200 (75 µm)                  | 2    | 5 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 % | 0.06 | 0.20 max |
| NaCl weight %                            | 0.03 | 0.20 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
- Federal Spec O-S-571G
- NSF Certified
- FCC Codex
- Kosher

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## GRADES, FORMS & SHIPPING CONTAINERS

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

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

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## PRODUCING/SHIPPING LOCATION

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

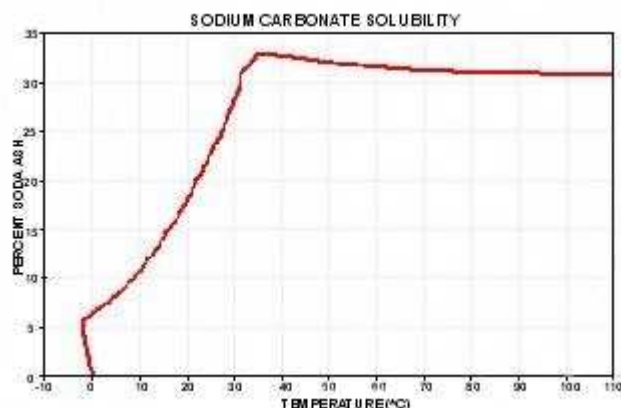
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## SHIPPING REGULATIONS

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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