

Soda Ash Synthetic Light



TATA CHEMICALS NORTH AMERICA, INC.

SYNTHETIC LIGHT

001010025UBM

CHARACTERISTICS

Synthetic Light soda ash, or sodium carbonate (CAS Name: disodium carbonate), is a white, granular, alkaline material.

PROPERTIES*

Chemical Formula	Na ₂ CO ₃
Molecular Weight	105.99
Absolute density, g/cm ³ @ 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

PHYSICAL PROPERTIES	TYPICAL SPECIFICATION	
Absorptivity weight %	31	-
Bulk Density: lb/ft ³	34.3	29.9 - 37.4
g/cm ³	550	480 - 600
Screen Analysis, cumulative weight%		
On (2800 µm)	1	-
(425 µm)	5	-
(125 µm)	38	-
(63 µm)	78	-
Thru (63 µm)	22	-
Median Particle Size	100 µm (± 20µm)	

CHEMICAL PROPERTIES

Na ₂ O weight %	58.25	57.9 min
Na ₂ CO ₃ weight %	99.59	99.0 min
NaHCO ₃ weight %	0.19	0.70 max
Na ₂ SO ₄ weight %	160 mg/kg	400 mg/kg max
NaCl weight %	0.15	0.30 max
Fe ₂ O ₃ ppm	10	30 max
Arsenic, weight %	0.02 mg/kg	1 mg/kg max
Heavy metals as Pb, weight %	1 mg/kg	3 max
Flouride, weight %	< 5 mg/kg	15 mg/kg max
Water insolubles, weight %	100 mg/kg	200 mg/kg max
Moisture, weight %	0.15 mg/kg	0.50 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

- Synthetic Light Soda Ash* 25 kg bags

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

PRODUCING/SHIPPING LOCATION

Ontario, Canada

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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