



**BUOYANCY®**  
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BUOYANCY GENERAL TRADING LLC

## Soda Ash (Dense)

Soda Ash, also known as Sodium Carbonate, is a crucial ingredient in the glass manufacturing process. It is used to make glass of various types, including flat glass, fiberglass, and container glass. It acts as a flux, which means it lowers the melting point of the sand used in glass making and helps to reduce the energy required to produce glass. Soda ash also helps to improve the chemical resistance of glass, making it a suitable material for various industrial and commercial applications.

Sodium carbonate (also known as washing soda, soda ash, and soda crystals, and in the monohydrate form as crystal carbonate),  $\text{Na}_2\text{CO}_3$ , is the water-soluble sodium salt of carbonic acid. It most commonly occurs as a crystalline decahydrate, which readily effloresces to form a white powder, the monohydrate. Pure sodium carbonate is a white, odorless powder that is hygroscopic (absorbs moisture from the air). It has a strongly alkaline taste and forms a moderately basic solution in water. Soda Ash (Dense) exported by Buoyancy® has the following typical chemical composition.

Chemical Composition	Unit	Min	Max
Sodium Carbonate ( $\text{Na}_2\text{CO}_3$ )	%wt	99.2	99.6
Sodium Chloride ( $\text{NaCl}$ )	%wt	0.3	0.4
Sodium Bicarbonate ( $\text{NaHCO}_3$ )	%wt	--	0.1
Sodium Sulphate ( $\text{Na}_2\text{SO}_4$ )	%wt	--	0.05
Iron (Fe)	ppm	30	40
Loss on heating	%wt	--	0.2
Moisture	%wt	--	0.2
Ni (Nickel)	ppm	--	30
Cr (Chromium)	ppm	--	10
Mn (Manganese)	ppm	--	10
Cu (Copper)	ppm	--	30

Chemical Composition	Unit	Dense
Total Alkalinity	%wt	58.12-58.42
Pouring density	g/cm <sup>3</sup>	0.58- 1.1
Mesh	<40	40
	40-140	59
	>140	1



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## Usage Areas

1. Glass (for fiberglass insulation, or flat glass for the housing, commercial building, and automotive industries, lighting, glassware, display screens for consumer electronics, and solar panels.)
2. Chemical industry
3. Soap and detergent
4. Paper
5. Flue gas treatment
6. Water and wastewater treatment

## Packing

Shipped in 25,40, 50 & 1000 Kg bags or covered self-unloading hoppers.

## Storage

- 1) Prevent moisture absorption, keep away from heat and well-ventilated.
- 2) Avoid contact with acids and alkaline substances; protect from dust.
- 3) Ensure bags are sealed and in good condition.

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## COMMENTS

Typical chemical and physical properties do not constitute product specifications and are not guaranteed or warranted. These properties are provided for informational purposes only.

## PLEASE OBTAIN A PRODUCT SAFETY DATA SHEET FOR MORE INFORMATION.

This product's Safety Data Sheet ("SDS") contains essential environmental, health, and safety information concerning its handling and storage. This product's most current version of the SDS can be obtained by contacting a Buoyancy General Trading LLC representative.



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