

## Soda Ash Light

### Soda Ash Light:

**Chemical formula:** Na<sub>2</sub>CO<sub>3</sub>



**Structural formula:** Na -- O -- C -- O -- Na

**Common names:** Sodium carbonate, calcined soda, disodium carbonate

**CAS registry number:** 497-19-8

### Physical and chemical properties :

Soda Ash Light is a white, odourless, uniform product, free from dirt and other foreign matter. Soda ash has a tendency to absorb moisture from the atmosphere. The moist soda ash then starts absorbing atmospheric carbon dioxide. This phenomenon of absorption of moisture and carbon dioxide by soda ash is known as weathering. After weathering, soda ash is likely to contain appreciable moisture and sodium bicarbonate, but the total alkali content of the bag does not change. Soda ash has a tendency to cake when it comes in contact with moisture and, consequently, becomes lumpy.

Characteristics	Units	IS 251:1998 specifications	TCL-assured specifications
Molecular weight			106
Bulk density	Kg/m <sup>3</sup>	500 - 750	550 - 720
Volatile matter content (at the time of packing)	%, max	2	0.80
Total alkalinity (as Na <sub>2</sub> CO <sub>3</sub> )	%, min	98.5	99.0
Sulphates (as Na <sub>2</sub> SO <sub>4</sub> )	%, max	0.08	0.03
Chlorides (as NaCl)	%, max	1.0	0.80
Iron (as Fe <sub>2</sub> O <sub>3</sub> )	By colorimetric method	%, max	0.0029
	By spectrophotometric method		0.007
Matter insoluble in water	%, max	0.15	0.03

### Applications :

Soda Ash Light is one of the most important basic industrial chemicals and the most widely used fixed alkali for manufacture of other alkali products, sodium salts, glass, soap, sodium silicated, detergent, bicarbonates, pulp and paper, cellulose and rayon, iron and steel, aluminium, cleaning compounds, water softening chemicals, textiles and dyestuffs, drugs and many other materials. It also finds extensive use as an alkali for household purposes and as a washing power by laundries and washer men.

### Packaging :

Available in 50 kg HDPE / PP bags and 750 kg PP jumbp bags with lamination/liner.

### Storage :

Soda Ash Light should be stored under cover in a cool, dry place and the bags should not be stacked more than 15 bags high.



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