

TATA CHEMICALS LIMITED


*Serving Society  
through Science*

## LIGHT SODA ASH

Chemical Formula	: $\text{Na}_2\text{CO}_3$
Structural Formula	: $\text{Na}-\text{O}-\overset{\text{O}}{\parallel}{\text{C}}-\text{O}-\text{Na}$
Common Names	: Sodium Carbonate, Calcined Soda, Disodium Carbonate
CAS Registry Number	: 497-19-8

The synthetic soda ash is produced using the ammonia – soda process popularly known as the Solvay process. Solar salt, coke, coal, and limestone are input raw materials used in producing Light Soda Ash.

### Applications

Light Soda Ash is one of the most important basic industrial chemical and is most widely used fixed alkali for manufacture of alkali products, sodium salts, soap, sodium silicates, detergent, bicarbonates, bichromates, pulp and paper, cellulose and rayon, iron and steel, aluminium, cleaning compounds, water softening chemicals, textiles and dyestuffs, drugs and many other products. It also finds use as an alkali for household purposes.

### Manufacturing

### Specifications\*

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 $\text{Na}_2\text{CO}_3$ )	%, min	98.5	99.0
Sulphates (as $\text{Na}_2\text{SO}_4$ )	%, max	0.08	0.03
Chlorides (as NaCl)	%, max	1.0	0.80
Iron (as $\text{Fe}_2\text{O}_3$ )	By Colorimetric method	%, max	0.0029
	By Spectrophotometric method		0.007
Matter insoluble in water	%, max	0.15	0.03

### Traceability

Tata Chemicals Ltd. offers full product traceability with batch and lot no. labelling.

### Packaging

Available in 50 ka HDPE/PP baas and 750 ka HDPE/PP iumbo baas with