



GEE GEE KAY

## SODA ASH Light

Chemical name	: Sodium Carbonate / Soda Ash
CAS No	: 497-19-8
EINECS No	: 207-838-8
EC-No	: 011-005-00-2
EC Classification	: Irritant
Chemical formula	: Na <sub>2</sub> CO <sub>3</sub>
Molecular weight	: 106

### Physical Properties

Appearance	: White Powder
Density in kg/dm <sup>3</sup>	: 2533
Melting point oC	: 851
Solubility in water @ 20oC in g/1000g.	: 214
pH (1% in water)	: 1126

### Typical Analytical Values Chemical Analysis

Na <sub>2</sub> CO <sub>3</sub>	: 99.5%(*)
NaCl	: 0.14%
Na <sub>2</sub> SO <sub>4</sub>	: 0.02%
CaO	: 50 ppm
MgO	: 20 ppm
Fe <sub>2</sub> O <sub>3</sub>	: 7 ppm
Loss on drying	: 0.25%(*)
Free flowing density	: 0.55 kg/dm <sup>3</sup>

### Granulometry

>2 mm	: 1.2%
>1 mm	: 2.3%
>0.5 mm	: 3.3%
>0.250 mm	: 7.6%
<0.125 mm	: 60.7%
<0.063 mm	: 16%

Continue ...

### Specification Chemical Analysis

Na <sub>2</sub> CO <sub>3</sub>	: ≥ 99%(*)
NaCl	: ≤ 0.3%
Na <sub>2</sub> SO <sub>4</sub>	: ≤ 0.035%
CaO	: ≤ 100 ppm
MgO	: ≤ 50 ppm
Fe <sub>2</sub> O <sub>3</sub>	: ≤ 20 ppm
Loss on drying	: ≤ 0.5%(*)
Free flowing density	: > 0.5 kg/dm <sup>3</sup> , < 0.65kg/dm <sup>3</sup>

\*Ex works or after drying (2 hours at 250<sub>0</sub>C)

### Granulometry

>1 mm	: ≤ 5%
>0.250 mm	: ≤ 25%
>0.125 mm	: ≤ 85%
<0.063 mm	: ≤ 50%



**Chennai:** 96, Nelson Manickam Road, Aminjikarai, Chennai - 600 029. India.  
Phone : +91 44 2374 3435 / 39, +91 44 2374 2600 / 2700 Fax : +91 44 2374 3841 / 2120  
E-mail - Chennai : [exports@geegeekay.com](mailto:exports@geegeekay.com), [sales@geegeekay.com](mailto:sales@geegeekay.com),  
[ggkpdtyrd@geegeekay.com](mailto:ggkpdtyrd@geegeekay.com), Coimbatore : [ggkcb@geegeekay.com](mailto:ggkcb@geegeekay.com),  
**Puducherry:** [ggktut@geegeekay.com](mailto:ggktut@geegeekay.com), Sri Lanka : [salescmb@geegeekay.com](mailto:salescmb@geegeekay.com)  
**Tuticorin:**