



## PRODUCT BROCHURE

### SODIUM CARBONATE (SODA ASH LIGHT)

Department :Marketing

Doc.No.NL/MKT/FOR/07

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#### A: PRODUCT SPECIFICATION AND APPLICATION FOR SODA ASH

**Description:** Soda Ash is white uniform Product, free from dirt and other foreign matter.

**Chemical Name:** Sodium Carbonate

**Chemical Formula:**  $\text{Na}_2\text{CO}_3$

**Molecular weight:** 106

#### SODA ASH LIGHT:

( % By Mass)

	Characteristics	Unit of Measurement	Guaranteed Specifications
1	Total alkalinity as $\text{Na}_2\text{CO}_3$	%	99.00 Min
2	Chloride as $\text{NaCl}$	%	0.70 Max
3	Matter insoluble in water	%	0.01 Max
4	Sulphates as $\text{Na}_2\text{SO}_4$	%	0.01 Max
5	Iron as $\text{Fe}_2\text{O}_3$	%	0.0020 Max
6	Bulk Density	gpl	600 to 700
7	Volatile Matter	%	1.0 Max
8	Calcium	ppm	35 Max
9	Magnesium	ppm	21 Max
10	$\text{NaHCO}_3$	%	0.5 Max

#### PACKING: 50 KG PP/HDPE BAG WITH INNER LINER

**APPLICATION: SODA ASH LIGHT-** Soda Ash is one of the most important basic industrial chemical and most widely used fixed alkali for the manufacture of the other Alkali Products. It is used in manufacturing of Detergents, Sodium silicates, Bicarbonates, bichromates, Pulp & Paper, cellulose, and rayon, iron and steel, aluminum, cleaning compounds, water softening chemicals, textiles and dyestuffs, drugs and many other materials



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**B: MATERIAL SAFETY DATA SHEET**

<b>PHYSICAL PROPERTIES</b>		<b>IMPORTANT CHARACTERISTICS</b>	
Boiling point (decomposes) $^{\circ}\text{C}$		<b>1600</b>	
Melting point. $^{\circ}\text{C}$		<b>851</b>	
Relative density (water=1)		<b>2.5</b>	
Solubility in water, g/100ml at $20^{\circ}\text{C}$		<b>22</b>	
Relative molecular mass		<b>106.0</b>	
Gross formula		<b>Na<sub>2</sub>CO<sub>3</sub></b>	
<b>HAZARDS / SYMPTOMS</b>		<b>PREVENTIVE MEASURES</b>	<b>FIRE EXTINGUISHER / FIRST AID</b>
<b>Fire:</b> Non-combustible			In case of fire immediate vicinity: use any Extinguishing agent
<b>Inhalation:</b> cough, shortness of breath		Local exhaust or respiratory protection	Fresh air, rest, call a doctor.
<b>Skin:</b> Redness		Gloves	Remove contaminated clothing, flush skin with water or shower.
<b>Eyes:</b> Corrosive, redness, pain, impaired Vision.		Goggles	Flush with water, take to a doctor
<b>Ingestion:</b> Sore throat, abdominal pain			Rinse mouth, call a doctor
<b>SPILLAGE</b>		<b>STORAGE</b>	<b>LABELING / NFPA</b>
Clean up spillage. Flush away remainder with water : (additional individual protection P2 respirator)		Keep dry. Separate from acids.	<b>R: 36</b> <b>S: 22-26</b>
<b>NOTES</b>			
The measures on this card also apply to potassium carbonate. Solubility of potassium carbonate in water at $20^{\circ}\text{C}$ : 112g/100ml			