

 NIRMA LIMITED	PRODUCT BROCHURE SODIUM CARBONATE (SODA ASH LIGHT)	Department :Marketing Doc.No.NL/MKT/FOR/07 Page 1 of 2
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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: Na_2CO_3

Molecular weight: 106

SODA ASH LIGHT:
(% By Mass)

	Characteristics	Unit of Measurement	Guaranteed Specifications
1	Total alkalinity as Na_2CO_3	%	99.00 Min
2	Chloride as NaCl	%	0.70 Max
3	Matter insoluble in water	%	0.01 Max
4	Sulphates as Na_2SO_4	%	0.01 Max
5	Iron as Fe_2O_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	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



PRODUCT BROCHURE

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Department :Marketing
Doc.No.NL/MKT/FOR/07

Page 2 of 2

B: MATERIAL SAFETY DATA SHEET

PHYSICAL PROPERTIES		IMPORTANT CHARACTERISTICS	
Boiling point (decomposes) ° C 1600 Melting point. ° C 851 Relative density (water=1) 2.5 Solubility in water, g/100ml at 20° C 22 Relative molecular mass 106.0		WHITE HYGROSCOPIC CRYSTALS OR WHITE HYGROSCOPIC POWER In aqueous solution is a strong base which reacts violently with acids and corrodes aluminum zinc etc. reacts violently with acids, giving off – carbon dioxide	
Gross formula Na ₂ CO ₃		Absorption route: Can enter the body by inhalation or ingestion. Evaporation negligible at 20° C., but unpleasant concentrations of airborne particles can build up. Immediate effects: Irritates the skin and respiratory tract. Corrosive to the eyes.	
HAZARDS / SYMPTOMS		PREVENTIVE MEASURES	FIRE EXTINGUISHER / FIRST AID
Fire: Non-combustible			In case of fire immediate vicinity: use any Extinguishing agent
Inhalation: cough, shortness of breath		Local exhaust or respiratory protection	Fresh air, rest, call a doctor.
Skin: Redness		Gloves	Remove contaminated clothing, flush skin with water or shower.
Eyes: Corrosive, redness, pain, impaired Vision.		Goggles	Flush with water, take to a doctor
Ingestion: Sore throat, abdominal pain			Rinse mouth, call a doctor
SPILLAGE		STORAGE	LABELING / NFPA
Clean up spillage. Flush away remainder with water : (additional individual protection P2 respirator)		Keep dry. Separate from acids.	R: 36 S: 22-26
NOTES			
The measures on this card also apply to potassium carbonate. Solubility of potassium carbonate in water at 20°C: 112g/100ml			