Soda Ash Medium

Soda Ash Medium:

Chemical formula: Na_2CO_3

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 Medium 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/m3	751 - 950	751 - 950
Volatile matter content (at the time of packing)		%, max	2	0.80
Total alkalinity (as Na_2CO_3)		%, min	98.5	99.0
Sulphates (as Na_2SO_4)		%, max	0.08	0.03
Chlorides (as NaCl)		%, max	1.0	0.80
Iron	By colorimetric method	%, max		0.0029
(as Fe_2O_3)	By spectrophotometric method		0.007	0.002
Matter insoluble in water		%, max	0.15	0.03

Applications :

Soda Ash Medium is one of the basic industrial chemicals and thus finds use in glass, silicate, bichromate and other industries.

Packaging :

Available in 50 kg HDPE / PP bags with lamination.

Storage :

Soda ash Medium 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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