

GRANULAR SODA ASH

Chemical Formula : **Na₂CO₃**

Structural Formula : **Na -- O -- C(=O) -- O -- Na**

Common names : **Sodium carbonate, calcined soda, disodium carbonate**

Specification : **T. C. Specification**

CAS Registry Number : **497-19-8**

The synthetic soda ash is produced using the ammonia-soda process, popularly known as the Solvay process. Common salt and limestone are the raw materials processed and converted into soda ash and calcium chloride.

Physical & Chemical Properties :

Characteristics		Units	TCL Assured Specifications
Molecular Weight			106
Bulk Density		Kg/m ³	951 - 1250
Volatile matter content (at the time of packing)		%, max	0.80
Total Alkalinity (as Na ₂ CO ₃)		%, min	99.0
Sulphates (as Na ₂ SO ₄)		%, max	0.03
Chlorides (as NaCl)		%, max	0.80
Iron (as Fe ₂ O ₃)	<i>By Colorimetric method</i>	%, max	0.0029
	<i>By Spectrophotometric method</i>		0.002
Matter insoluble in water		%, max	0.03
Sieve Analysis :			
<u>BS Mesh</u>	<u>Microns</u>		
+ 4	4000	%, max	10.0
- 14	1180		15.0

Granular Soda Ash is a white, odorless, 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 the atmospheric carbon dioxide. This phenomenon of absorption of moisture and carbon dioxide by Soda Ash is known as weathering. After such weathering, Soda Ash is likely to contain appreciable moisture and sodium bicarbonate. However, the total alkali content of the bag does not change. Soda Ash has a tendency to cake when in contact with moisture and consequently becomes lumpy.

Applications :

Granular Soda Ash finds use in steel industries and is used in blast furnace for removal of sulphur from iron ore. It also imparts fluidity to the slag, thus ensuring smoother and continuous blast furnace operation. It is also used in jaggery (gur) industries.

Packaging :

Available in 50 kg HDPE/PP bags with lamination

Storage :

Soda Ash should be stored under cover in a cool, dry place and the bags should not be stacked more than 15 high.

Additional information required can be provided from our Corporate/Regional offices.

Marketing Office :

Tata Chemicals Limited

Leela Business Park, Andheri Kurla Road, Andheri (E), Mumbai - 400 0059

Tel : 91 22 56437400 Fax : 91 22 56437599

E-mail : tatachemicals@tata.com

Web-site : www.tatachemicals.net

Regional Offices :

Tata Chemicals Limited

Leela Business Park,

Andheri Kurla Road,

Mumbai – 400 059

Tel : 91 22 56437400

Fax : 91 22 56437599

Tata Chemicals Limited

5th Floor, Somdatt Towers,

K2, Sector 18,

Noida – 201 301

Tel : 91 120 2517683

Fax : 91 120 2517687

Tata Chemicals Limited

1, Stephen Court,

Park Street,

Kolkata – 700 016

Tel : 91 33 2494381

Fax : 91 33 2454873

Tata Chemicals Limited

57, Luz Avenue,

Mylapore,

Chennai – 600 004

Tel : 91 44 4996882

Fax : 91 44 4981023

Tata Chemicals Limited

Unit No. 601–603, Sakar III,

Near IT Cross Road,

Ahmedabad – 380 009

Tel : 91 79 7544812

Fax : 91 79 7544805

The information given herein is provided in good faith and believed to be accurate and reliable, without guarantee or obligation for the results obtained.