

Product Data Sheet

Soda Ash Dense (Sodium Carbonate) - 99.2% Min

Description

Description	Soda Ash Dense is a dense (high bulk-density), granular grade of sodium carbonate (Na_2CO_3), manufactured via the Solvay process. Its coarser, denser particle structure gives it low dust generation and superior flow and handling characteristics, making it the preferred grade for large-scale bulk handling and glass manufacturing.
Applications	Glass manufacturing (container, flat and specialty glass) Detergent and soap manufacturing at bulk industrial scale Water treatment – pH correction and water softening Metallurgy, ceramics and chemical processing
Grade	Dense Grade, Na_2CO_3 Min. 99.2%
CAS No.	497-19-8

Key Benefits

1. Low dust generation – easier, cleaner bulk handling and conveying
2. Superior flow characteristics for automated batching (e.g. glass furnaces)
3. High purity (min. 99.2% Na_2CO_3) with low insoluble matter
4. Higher bulk density reduces storage and freight volume per tonne
5. Consistent quality from Solvay-process manufacture

Chemical Analysis & Physical Data

Typical Specification

Parameter	Unit	Specification
Na_2CO_3 (Sodium Carbonate)	wt%	Min. 99.2

Parameter	Unit	Specification
NaCl (Sodium Chloride)	wt%	Max. 0.6
Fe2O3 (Iron)	wt%	Max. 0.004
Sulphate (as Na2SO4)	wt%	Max. 0.03
Insoluble Matter	wt%	Max. 0.02
Loss on Ignition / Moisture	wt%	Max. 0.6
Bulk Density	g/cm ³	0.95 – 1.10 (approx. 950–1,100 kg/m ³)
Appearance	–	White, granular free-flowing powder

Packaging

Packaging 50 kg HDPE/PP Woven Bags (with liner)
1,000 kg / 1,250 kg Jumbo Bags (FIBC)
Bulk (bulker/hopper truck or rail car) on request
Custom packaging available on request.

Storage & Handling

1. Store in a dry, covered warehouse away from moisture – product is hygroscopic
2. Keep bags sealed until point of use to prevent caking
3. Avoid contact with acids and acidic fumes during storage
4. Stack on pallets, away from direct ground contact
5. Use appropriate PPE (dust mask, goggles) when handling – avoid dust generation

Quality Assurance

- 
1. Every batch is tested against the specification above before dispatch
 2. A batch-specific Certificate of Analysis (COA) accompanies each shipment, reporting Na₂CO₃ content, bulk density, iron and insoluble matter against this TDS
 3. COA available on request prior to shipment for buyer pre-approval
 4. Third-party inspection (SGS/Intertek) can be arranged on request for regulated-market shipments

Disclaimer: The information provided in this document is based on our current knowledge and is intended as a general guide. Ochnology Solution Pvt. Ltd. reserves the right to modify specifications without prior notice. Buyers are advised to conduct their own testing for specific applications. A batch-specific Certificate of Analysis (COA) is available on request for each shipment.