



Soda Ash Dense(Sodium Carbonate)

Technical Data Sheet

Date of Issue: 5/30/2026

1. Product Identification

- Product Name: Soda Ash
- Chemical Name: Sodium Carbonate
- Chemical Formula: Na_2CO_3
- CAS No.: 497-19-8
- EINECS No.: 207-838-8

2. Physical & Chemical Properties

- Appearance White crystalline powder / granular Visual Inspection
- Molecular Weight 105.99 Calculation
- Melting Point 851 °C ASTM D1939
- Solubility in Water (20°C) 21.5 g/100mL water GB/T 210
- PH (1% Aqueous Solution) 11.0 ~ 12.0 PH Meter

3. Manufacturer

- Company Name: Inner Mongolia Berun Yingen Chemical Co.,Ltd.
- Address: Engriusu Gacha, Tamsu Sumu, Alxa League, Inner Mongolia, China

4. Chemical Composition (Standard Specification)

Items		Specification(GB/T 210-2022)
Main Content (Na_2CO_3)	%	99.2MIN
Chloride (Cl)	%	0.7MAX
Iron (Fe)	%	0.0035MAX
Sulphate (SO_4^{2-})	%	0.03MAX
Water Insoluble	%	0.03MAX
Retained on 180µm Sieve	%	70MIN
Density	g/ml	0.9MIN

5. Applications

- Glass Industry: Main raw material for flat glass, container glass, float glass.
- Chemical Industry: Raw material for sodium silicate, sodium bicarbonate, dyestuffs and detergents.
- Detergent & Daily Chemicals: Used in synthetic detergents, soap manufacturing.
- Metallurgy: Flux for smelting steel, non-ferrous metals.
- Paper & Pulp: Pulp treatment and wastewater neutralization.
- Water Treatment: PH adjustment and water softening.

6. Handling & Storage

- Avoid direct contact with skin, eyes and respiratory tract.
- Wear protective gloves, dust mask and safety goggles during operation.
- Avoid generating dust; prevent dust inhalation.
- Do not mix with acids, ammonium salts and incompatible chemicals.

- Store in dry, cool, well-ventilated warehouse.
- Keep sealed, protect from moisture and rain.
- Keep away from acids, oxidizing agents and food materials.
- Shelf Life: 24 months under proper storage.

7. Packaging

- Available in 1000KGS/1250KGS/1350KGS PP Jumbo Bags.

8. Transportation

- Hazard Classification: Non-dangerous goods for general transportation.
- Transport vehicle shall be dry and clean, covered to prevent dampness.
- Do not transport together with acidic substances.

9. Safety Information (Brief)

- Inhalation of dust: May cause irritation to nose and throat. Move to fresh air immediately.
- Eye contact: Rinse eyes with plenty of clean water for at least 15 minutes, seek medical aid.
- Skin contact: Wash contaminated skin with running water and soap.

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INNER MONGOLIA IHJUCHEM
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