



Sodium Bicarbonate (Baking Soda)

Technical Data Sheet

Date of Issue: 5/30/2026

1. Product Identification

- Common Name: Sodium Bicarbonate
- Synonyms: Baking Soda, Bicarbonate of Soda, Sodium Hydrogen Carbonate
- Chemical Formula: NaHCO_3
- CAS No.: 144-55-8
- EINECS No.: 205-633-8

2. Physical & Chemical Properties

- Appearance White crystalline powder or fine granules Visual Inspection
- Molecular Weight 84.01 Calculation
- Decomposition Temperature $\geq 50^\circ\text{C}$ (decomposes into soda ash, CO_2 and water)
- Solubility in Water (20°C) 9.6 g/100 mL water
- PH (1% Aqueous Solution) 8.0 ~ 8.6 PH Meter

3. Exporter

- Company Name: Inner Mongolia IHJUCHEM Chemical Co.,Ltd.
- Address: 3rd Floor, No. 20 Building, Yitai Prince Mansion, Wantong Road, Ruyi Development District, Hohhot, Inner Mongolia, China

4. Chemical Composition (Food Grade Specification)

Items		Specification(GB1886.2-2015)
Total Alkalinity (As NaHCO_3)	%	99-100.5
Chloride (Cl)	%	0.4 MAX
Loss On Drying	%	0.2 MAX
Heavy Metal (Pb)	ppm	5 MAX
Arsenic (As)	ppm	1 MAX
Ammonium Salt		PASS
Clarity		PASS
PH Value		8.5 MAX
Whiteness		85 MIN

5. Applications

Used in food fermentation, detergent components, carbon dioxide foaming agents, pharmaceuticals, leather processing and metallurgy, wool detergents, fire extinguishing agents, metal heat treatment, fiber and rubber industries, among others.

6. Handling & Storage

- Avoid dust inhalation, skin and eye contact.
- Wear dust mask, safety goggles and protective gloves during operation.
- Keep workplace ventilated; prevent dust accumulation.
- Do not mix with strong acids, oxidants and ammonium compounds.
- Store in dry, cool and well-ventilated warehouse.

- Keep containers tightly sealed to prevent moisture absorption and caking.
- Keep away from acids, toxic substances separately.
- Shelf Life: 24 months under proper storage.

7. Packaging

- Available in 25KGS Bags and 1000/1100/1250KGS PP Jumbo Bags.

8. Transportation

- Classification: Non-hazardous goods for general transportation.
- Transport vehicles must be clean, dry and covered.
- Do not transport together with acidic materials, poisonous goods..
- Prevent extrusion and bag damage during transit.

9. First Aid Measures

- Inhalation: Remove victim to fresh air. Seek medical help if coughing or irritation persists.
- Eye Contact: Rinse eyes thoroughly with plenty of running water for 15 minutes. Consult a doctor.
- Skin Contact: Wash affected area with soap and clean water.
- Ingestion: Drink plenty of water. Do not induce vomiting. Seek medical treatment if discomfort occurs.

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