

Sodium Bicarbonate

Alkaline salt for qualified leavening, pH control, neutralization and gas-generating formulations.

CAS No. 144-55-8	EC / List No. 205-633-8	Transport Non-dangerous goods
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Product Information

Alkaline salt for qualified leavening, pH control, neutralization and gas-generating formulations.

Specifications

Parameter	Specification
Appearance	White, odourless crystalline powder
Total alkalinity as NaHCO ₃	99.0–100.5 %
Loss on drying	≤0.2 %
pH, 10 g/L solution	≤8.6
Arsenic	≤0.0001 %
Heavy metals as Pb	≤0.0005 %
Ammonium salts	Conforms
Clarity	Conforms
Salmonella	Negative
E. coli	Complies

Grade-specific supply limits. The agreed specification and batch COA govern delivery.

Typical Properties

Property	Typical Value
Molecular formula	NaHCO ₃
Molecular weight	84.01 g/mol

Applications

Food and leavening formulations: Ingredient for qualified food-processing and leavening systems.

Cleaning, pH control and neutralization: Alkaline ingredient for selected detergent, cleaning and neutralization formulations.

Industrial gas-generating formulations: Evaluate in rubber-foaming and other qualified industrial formulations.

Packaging / Storage

Item	Information
Packing	25 kg bags or 1000 kg bulk bags
Storage	Keep tightly sealed in a cool, dry, well-ventilated area. Protect from moisture, strong acids, strong oxidizers and contamination.
Handling	Provide effective ventilation during powder transfer. Wear suitable protective gloves, safety goggles and work clothing. Avoid airborne dust, ingestion and unnecessary skin or eye contact.

Company Contact

Supplier	Hainan Zhongxin Chemical Co., Ltd. (ZXCHEM)
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