



Sodium Carbonate



Chemical Formula
 Na_2CO_3



Molecular Weight
105.99



Cas. No
497-19-8



Application
Pharma, Food, Industrial




**PHARMACEUTICAL
GRADE**


**SUPPORTING YOUR
INNOVATION**

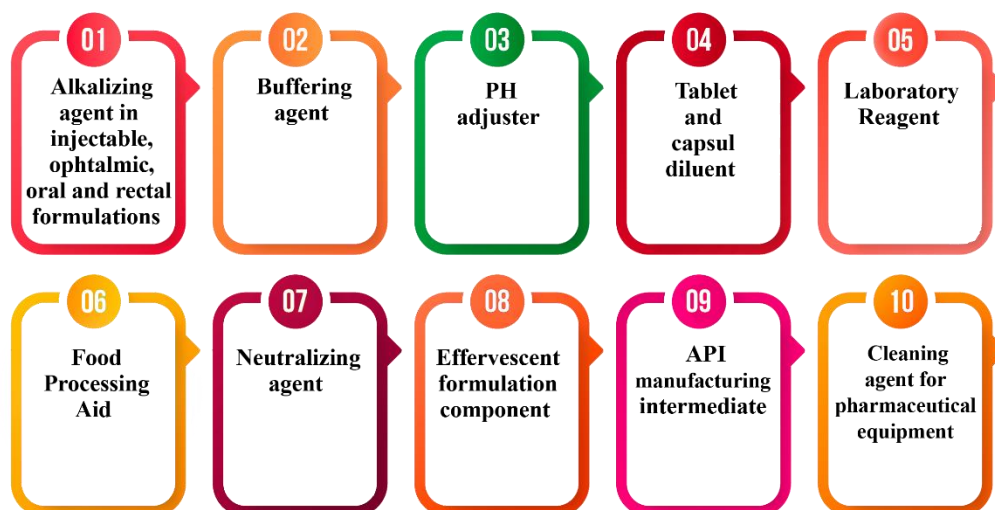

**RELIABLE SUPPLY
CHAIN**


**TECHNICAL
SUPPORT**

Sodium Carbonate USP

Sodium Carbonate USP is a high-purity pharmaceutical-grade inorganic compound widely used as an alkalizing agent, buffering agent, pH adjuster, and processing aid in pharmaceutical manufacturing. Owing to its excellent alkalinity, high water solubility, and well-established safety profile, Sodium Carbonate plays an important role in controlling formulation pH, improving chemical stability, and supporting various pharmaceutical manufacturing processes.

Functional Category



01 Alkalizing agent in injectable, ophtalmic, oral and rectal formulations	02 Buffering agent	03 PH adjuster	04 Tablet and capsul diluent	05 Laboratory Reagent
06 Food Processing Aid	07 Neutralizing agent	08 Effervescent formulation component	09 API manufacturing intermediate	10 Cleaning agent for pharmaceutical equipment

Pharmaceutical Applications of Sodium Carbonate

- | | | | |
|--|--|--|---------------------------------------|
|  | PH adjustment of pharmaceutical formulations |  | Pharmaceutical cleaning solutions |
|  | Buffer preparation |  | Laboratory reagent preparation |
|  | Neutralization of acidic solutions |  | Process chemistry applications |
|  | Effervescent tablet formulations |  | Chemical synthesis |
|  | API synthesis |  | Analytical reagent |
|  | Pharmaceutical intermediates |  | Biopharmaceutical process development |
|  | Oral solid dosage manufacturing |  | Pharmaceutical research laboratories |

Food and Nutraceutical Applications of Sodium Carbonate

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|---|---------------------------|--|---------------------------------|
|  | Acidity regulator |  | Bakery products |
|  | PH control agent |  | Beverage processing |
|  | Food processing aid |  | Mineral fortification processes |
|  | Cocoa processing |  | Nutraceutical manufacturing |
|  | Instant noodle production | | |

Storage Conditions

Preserve in tightly closed containers and store in a cool, dry, and well-ventilated place.

Physical and Chemical Properties

- White crystalline powder or granules
- Odorless
- Hygroscopic
- Strongly alkaline in aqueous solution
- Freely soluble in water
- Practically insoluble in ethanol
- Stable under recommended storage conditions
- Nonflammable

Advantages of Behansar Sodium Carbonate USP

