

## 5-2 Sodium Propionate

### I. Product Overview

**Product Name:** Sodium Propionate

**Category:** Preservative

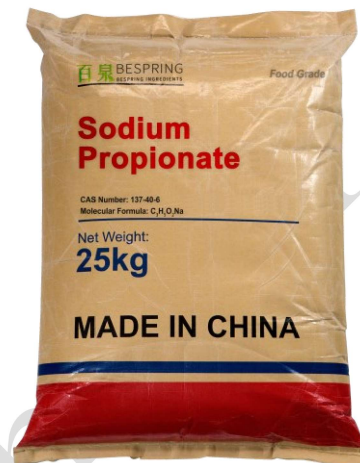
**CAS Number:** 137-40-6

**Molecular Formula:**  $C_3H_5O_2Na$

**Packing Specifications:** 25 kg/bag, 16 tons/20FCL

**Minimum Order Quantity:** 500 kg

**Quality Standards:** HACCP, Kosher, Halal, ISO



### II. Product Specifications

Item	Specification
Appearance	White crystals or powder
Sodium Propionate Content (on dry basis)	≥99.0%
pH of 10% Aqueous Solution (20°C)	8.0~10.5
Loss on Drying	≤0.0003%
Alkalinity (as Sodium Carbonate)	Passes test
Heavy Metals	
Lead	≤0.001%
Arsenic ( $As_2O_3$ )	≤0.0003%
Iron	≤0.0025%

### III. Applications

- Used as a food preservative, sodium propionate is suitable for cakes and bread, where it acts as a fungicide. It is almost non-toxic to humans. The usage level in food is similar to that of calcium propionate, with a maximum allowable concentration of 2% (based on propionic acid). Sodium propionate is also used in cosmetics.

### IV. Storage Conditions

Sodium propionate should be stored in a cool, dry warehouse, away from heat sources and direct sunlight. During storage, attention should be paid to moisture and rainproof, to prevent the product from becoming damp and caking, which will affect the quality.

Bespring Chemical