

## Sodium Acetate Anhydrous

### Physical Properties

<b>As a Powder</b>	<b>Data</b>
Molecular Weight:	82.03
pH of 10% Aqueous Solution:	white powder
Appearance:	7.5 to 9.2
Melting Point:	324°C
Solubility in Water:	34% in water at 20°C
Reactivity in Water:	does not react
Odor:	odorless
Boiling Point:	not applicable
Vapor Pressure :	not applicable
Bulk Density:	approximately 50 lbs./cu .ft.

### Specifications

<b>Specification</b>	<b>Control Limits (Technical)</b>
Purity % by Weight :	99.0 min., dry basis as sodium acetate
Halides % by Weight Max :	0.1 calculated as NaCl
Iron Max :	25 ppm
Water % by Weight :	0.7 max.
pH of 10% Aqueous Solution at 25°C :	7.5 to 9.2
Appearance:	white powder
Alkalinity :	0.0 max as NaOH

<b>Specification</b>	<b>Control Limits (Technical)</b>
Purity % by Weight :	99.0 to 101.0, dry basis as sodium acetate
Halides % by Weight Max :	0.1 calculated as NaCl
Iron Max :	10 ppm
Water % by Weight :	0.7 max.
pH of 10% Aqueous Solution at 25°C :	7.5 to 9.2
Appearance:	white powder
Alkalinity :	0.0 max as NaOH
Arsenic:	3 ppm max as As
Heavy Metals :	10 ppm max as Pb
Potassium Compounds :	none by test

### Water Solubility

<b>Temperature</b>	<b>Weight %</b>
0°C :	26.5
20°C :	32.0
40°C :	39.0
60°C :	58.0
80°C :	60.5
100°C :	63.0

### Solvent Solubility at 25° C

<b>Temperature</b>	<b>Weight %</b>
Methanol :	26.0
Ethanol :	3.2
Acetone :	<0.1

## FDA Status

Section	Use References
FDA § 184.1721	Flavoring Agent and Adjuvant, pH control

## Toxicological Properties



- Sodium Acetate, Anhydrous is a non-toxic food chemical Generally Regarded As Safe by the FDA
- **Occupational Exposure:** No exposure limits have been set by OSHA, NIOSH or ACGIH
- **Carcinogen:** IARC: No, NTP: No, OSHA: No

## Storage & Handling

<b>Fire &amp; Explosion:</b>			
Flash Point:	None by Tag Closed Cup	Flammable Limits:	Undetermined
Auto-Ignition Temperature:	Not Applicable	Extinguishing Media:	water fog, alcohol foam, carbon dioxide, dry chemical
Unusual Hazards:	Avoid dispersion of dust to avoid possible explosion hazard		
<b>Reactivity Data:</b>			
Hazardous Decomposition Products:	carbon monoxide	Hazardous Polymerization:	will not occur
		Incompatibility:	strong oxidizing agents
<b>Necessary Protection:</b>			
Protective Clothing:	Appropriate work apparel. Plastic or rubber gloves optional.		
Eye Protection:	Safety Glasses		
Respiratory Protection:	Material should be handled in a way that does not produce airborne particles. If dust is a problem, a dust mask or respirator is recommended.		

## Shipping Data

For convenience, the packaging is in 50-pound net weight, multiwall bags incorporating a moisture barrier. This packaging is useful as a pre-weighed container for addition to a processing step.

For further convenience, the standard shipping module is a unitized load incorporating a disposable pallet. The product can also be shipped in bulk sacks.

<i>Net Container Contents, Pounds</i>	
<b>Specifications</b>	
Multiwall Bags:	50
Poly Lined Fiber Drums or Super Sacks :	—
Freight Description:	Sodium Acetate