



Chemistry for Safer, Sustainable Life

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### Sodium Acetate Trihydrate Data Sheet

<b>Catalog sizes</b>	<b>100g</b> , Listed as 100g Sodium acetate trihydrate, 100AC13 <b>500g</b> , Listed as 500g Sodium acetate trihydrate, 500AC13 <b>1kg</b> , Listed as 1kg Sodium acetate trihydrate, 1000AC13
<b>Category</b>	Formate & Acetate Salts
<b>Product specification</b>	White, hygroscopic, granular powder <ul style="list-style-type: none"><li>• Product ID : AC13</li><li>• Purity : 99%</li><li>• CAS : 6131-90-4</li><li>• Molecular formula : C<sub>2</sub>H<sub>9</sub>NaO<sub>5</sub></li><li>• Molecular mass : 136.08g/mol</li><li>• Mp : 56 - 60°C</li><li>• Solubility: 250-350g/L in water</li></ul>
<b>Product description</b>	Sodium acetate trihydrate (SAT, NaCH <sub>3</sub> COO·3H <sub>2</sub> O) is a promising Phase Change Material (PCM) used to fabricate reusable heating pads and hand warmers because of its relative high heat of fusion. Its alkalinity (pH 8.5-9.5), as well as its low price, makes sodium acetate trihydrate the material for choice several applications including, <ul style="list-style-type: none"><li>• Bait for nematodes in pest control</li><li>• Antibacterial, antifungal additive</li><li>• Electrolyte</li><li>• Electroplating bath reagent</li><li>• Retardant in elastomer industry</li><li>• pH buffer</li><li>• Synthetic reagent / intermediate in dyes, pigments, pharmaceuticals, cinnamic acid, etc.</li><li>• Anticoagulant</li><li>• Biodegradable deicer substituting corrosive rock salt</li><li>• Pickling agent in the chrome tanning</li><li>• Concrete sealant</li><li>• Seasoning agent</li><li>• Biomolecule precipitant</li><li>• Dyeing mordant</li><li>• Chromatography agent</li><li>• Safe neutralization agent of mineral acid discharges, etc.</li></ul>