



Chemistry for Safer, Sustainable Life

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Sodium Acetate Trihydrate Data Sheet

Catalog sizes	100g , Listed as 100g Sodium acetate trihydrate, 100AC13 500g , Listed as 500g Sodium acetate trihydrate, 500AC13 1kg , Listed as 1kg Sodium acetate trihydrate, 1000AC13
Category	Formate & Acetate Salts
Product specification	White, hygroscopic, granular powder <ul style="list-style-type: none">• Product ID : AC13• Purity : 99%• CAS : 6131-90-4• Molecular formula : C₂H₉NaO₅• Molecular mass : 136.08g/mol• Mp : 56 - 60°C• Solubility: 250-350g/L in water
Product description	Sodium acetate trihydrate (SAT, NaCH ₃ COO·3H ₂ 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">• Bait for nematodes in pest control• Antibacterial, antifungal additive• Electrolyte• Electroplating bath reagent• Retardant in elastomer industry• pH buffer• Synthetic reagent / intermediate in dyes, pigments, pharmaceuticals, cinnamic acid, etc.• Anticoagulant• Biodegradable deicer substituting corrosive rock salt• Pickling agent in the chrome tanning• Concrete sealant• Seasoning agent• Biomolecule precipitant• Dyeing mordant• Chromatography agent• Safe neutralization agent of mineral acid discharges, etc.