

Sodium Acetate

sodium ethanoate, anhydrous | CAS 127-09-3

Product identification

Product name	Sodium Acetate
Chemical name	Sodium acetate / sodium ethanoate
CAS number	127-09-3
EC number	204-823-8
PubChem CID	517045
Molecular formula	C ₂ H ₃ NaO ₂
Molecular weight	82.03 g/mol
InChIKey	VMHLLURERBWHNL-UHFFFAOYSA-M
SMILES	[Na+].CC([O-])=O
Material type	Analytical chemical / laboratory reagent

Material description

Sodium Acetate (CAS 127-09-3) is the anhydrous sodium salt of acetic acid. It is typically a white crystalline solid or powder and is highly soluble in water.

Intended use

For laboratory, analytical, chemical, reagent-preparation, quality-control and research applications. Not for human or animal consumption. Not intended for food, supplement, cosmetic, medical, diagnostic or therapeutic use.

Reference characteristics

Structural class	Carboxylic acid salt
Typical physical form	White crystalline powder or crystals
Density	Approximately 1.53 g/cm ³
Water solubility	Approximately 1.25 g/mL at 25 °C
Melting point	Approximately 324 °C
Thermal behaviour	Decomposes above approximately 400 °C
Storage guidance	Keep tightly closed and dry. Protect from moisture and incompatible materials.

Analytical use and traceability

Lot-specific purity, assay, impurities, water content and analytical acceptance criteria must be taken from the applicable supplier documentation or certificate of analysis.

Safety note

Current public supplier SDS information for anhydrous sodium acetate generally does not classify the substance as hazardous under CLP/GHS. Dust may nevertheless cause mechanical irritation. Follow normal laboratory hygiene and the exact supplier SDS for the supplied grade.

Identity verification note

Identity verified against ECHA and Fisher Scientific: CAS 127-09-3, EC 204-823-8, PubChem CID 517045, C₂H₃NaO₂, 82.03 g/mol and InChIKey VMHLLURERBWHNL-UHFFFAOYSA-M.

Document control

Document	Rexar Technical Compound Datasheet
Revision	10 September 2026
Status	Reference information; not a certificate of analysis

Disclaimer

This document is provided for chemical identification and laboratory reference purposes. It does not certify batch purity or replace lot-specific analytical or safety documentation.