

Safety Data Sheet

Sodium Acetate

Analytical chemical / laboratory reagent

SECTION 1: Identification of the substance and of the company

Product identifier	Sodium Acetate
Chemical name	Sodium acetate / sodium ethanoate
CAS number	127-09-3
EC number	204-823-8
Relevant identified uses	Laboratory reagent; analytical and technical applications
Uses advised against	Human/animal consumption; food, supplement, cosmetic, medical, diagnostic or therapeutic use
Supplier	Rexar, Genestetstraat 3, 2394 XK Hazerswoude-Rijndijk, Netherlands
Contact	info@rexar.nl www.rexar.nl

SECTION 2: Hazards identification

Classification: Based on current public supplier SDS information, anhydrous sodium acetate is generally not classified as hazardous under CLP/GHS.

Label elements: No hazard pictogram, signal word or hazard statement required on that basis.

Other hazards: Dust may cause mechanical irritation to eyes or respiratory tract. Apply normal laboratory precautions and confirm the exact supplier/grade SDS.

SECTION 3: Composition / information on ingredients

Substance	Sodium acetate, anhydrous
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
Purity	Lot-specific; refer to supplier documentation / COA

SECTION 4: First-aid measures

Inhalation: Move to fresh air if dust has been inhaled.

Skin: Wash with water and soap.

Eyes: Rinse cautiously with plenty of water for several minutes; seek advice if irritation persists.

Ingestion: Rinse mouth and seek medical advice if unwell.

SECTION 5: Fire-fighting measures

Not normally combustible. Use extinguishing media appropriate to the surrounding fire. Thermal decomposition can produce irritating fumes, including carbon oxides. Fire-fighters should use suitable protective equipment.

SECTION 6: Accidental release measures

Avoid dust formation. Ventilate the area and collect mechanically into a labelled container. Wear suitable laboratory eye protection and gloves. Avoid uncontrolled release.

SECTION 7: Handling and storage

Handle using good laboratory practice. Avoid breathing dust and unnecessary contact. Keep tightly closed and dry. Protect from moisture and incompatible materials.

SECTION 8: Exposure controls / personal protection

Use adequate ventilation. Wear suitable laboratory gloves and safety glasses. Where significant dust is generated, use appropriate particulate respiratory protection.

SECTION 9: Physical and chemical properties

Appearance	White crystalline powder or crystals
Molecular formula	C ₂ H ₃ NaO ₂
Molecular weight	82.03 g/mol
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

SECTION 10: Stability and reactivity

Stable under recommended storage conditions. Avoid excessive heat and incompatible materials. Thermal decomposition may generate carbon oxides and sodium-containing residues.

SECTION 11: Toxicological information

Current public supplier SDS information generally does not classify anhydrous sodium acetate as hazardous. Dust may cause transient mechanical irritation. Refer to the exact supplier SDS for grade-specific toxicological information.

SECTION 12: Ecological information

Avoid unnecessary environmental release. Current public supplier information does not indicate a harmonised environmental hazard classification for this substance. Consult the applicable supplier SDS for detailed ecological data.

SECTION 13: Disposal considerations

Dispose of unused material and contaminated packaging through an appropriate chemical-waste route in accordance with applicable local requirements. Avoid uncontrolled discharge.

SECTION 14: Transport information

Current supplier SDS information generally does not regulate anhydrous sodium acetate as dangerous goods for standard transport. Verify against the exact supplied grade, quantity, route and current carrier requirements.

SECTION 15: Regulatory information

Sodium acetate is registered under EC 204-823-8 / CAS 127-09-3 in ECHA substance information. No harmonised CLP hazard classification was identified for the anhydrous substance in the reviewed public information.

SECTION 16: Other information

Revision date: 10 September 2026.

Identity reference: PubChem CID 517045; CAS 127-09-3.

Safety basis: ECHA registration information and current public supplier SDS information.

This SDS is a general laboratory safety reference and is not a certificate of analysis.