



MATERIAL SAFETY DATA SHEET  
Sodium Acetate, Anhydrous

### Section 1 - Chemical Product and Company Identification

**MSDS Name:** Sodium Acetate, Anhydrous  
**Catalog Numbers:** BPE333-1, BPE333-500, S/2080/53, S/2080/60, S/2080/65, S/2080/70, S/2080/71, S/2120/50, S/2120/53, S/2120/60, S/2120/70, S/2120/71, SP/0414, SP/0461  
**Synonyms:** Acetic Acid, Sodium Salt; Sodium Acetate.  
**Company Identification:** Fisher Scientific UK  
Bishop Meadow Road, Loughborough  
Leics. LE11 5RG  
**For information in Europe, call:** (01509) 231166  
**Emergency Number, Europe:** 01509 231166

### Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name:	%	EINECS#
127-09-3	Sodium acetate	100.0	204-823-8

**Hazard Symbols:** None listed

**Risk Phrases:** None listed

### Section 3 - Hazards Identification

#### EMERGENCY OVERVIEW

*Hygroscopic (absorbs moisture from the air).*

#### Potential Health Effects

**Eye:** May cause mild eye irritation.  
**Skin:** May cause skin irritation. May be harmful if absorbed through the skin.  
**Ingestion:** May cause irritation of the digestive tract. May be harmful if swallowed.  
**Inhalation:** May cause respiratory tract irritation. May be harmful if inhaled.  
**Chronic:** No information found.

### Section 4 - First Aid Measures

**Eyes:** Get medical aid. Immediately flush eyes with plenty of water for at least 15 minutes.  
**Skin:** Get medical aid. Flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse.  
**Ingestion:** Do not induce vomiting. If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid.  
**Inhalation:** Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

**Notes to Physician:**

### Section 5 - Fire Fighting Measures

**General Information:** As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Dusts at sufficient concentrations can form explosive mixtures with air. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

**Extinguishing Media:** For small fires, use water spray, dry chemical, carbon dioxide or chemical foam.

### Section 6 - Accidental Release Measures

**General Information:** Use proper personal protective equipment as indicated in Section 8.

**Spills/Leaks:** Vacuum or sweep up material and place into a suitable disposal container. Clean up spills immediately, observing precautions in the Protective Equipment section. Avoid generating dusty conditions. Provide ventilation.

### Section 7 - Handling and Storage

**Handling:** Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Use with adequate ventilation. Minimize dust generation and accumulation. Avoid contact with eyes, skin, and clothing. Avoid ingestion and inhalation.

**Storage:** Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

### Section 8 - Exposure Controls, Personal Protection

**Engineering Controls:**

Good general ventilation should be sufficient to control airborne levels. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

**Exposure Limits**

CAS# 127-09-3:

**Personal Protective Equipment**

**Eyes:** Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

**Skin:** Wear appropriate protective gloves to prevent skin exposure.

**Clothing:** Wear appropriate protective clothing to prevent skin exposure.

**Respirators:** Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

### Section 9 - Physical and Chemical Properties

**Physical State:** Solid

**Color:** white

**Odor:** odorless to slight acetic-like odor

**pH:** Not available

**Vapor Pressure:** Not available

**Viscosity:** Not available

**Boiling Point:** Not available

**Freezing/Melting Point:** 324 deg C ( 615.20°F)

**Autoignition Temperature:** 607 deg C ( 1,124.60 deg F)

**Flash Point:** Not available

**Explosion Limits: Lower:** Not available

**Explosion Limits: Upper:** Not available  
**Decomposition Temperature:** Not available  
**Solubility in water:** 1190 g/l (20 C)  
**Specific Gravity/Density:**  
**Molecular Formula:** C<sub>2</sub>H<sub>3</sub>O<sub>2</sub>Na  
**Molecular Weight:** 82.03

### Section 10 - Stability and Reactivity

**Chemical Stability:** Hygroscopic: absorbs moisture or water from the air.  
**Conditions to Avoid:** Incompatible materials, dust generation.  
**Incompatibilities with Other Materials:** Not available  
**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide, toxic fumes of sodium oxide.  
**Hazardous Polymerization:** Has not been reported.

### Section 11 - Toxicological Information

**RTECS#:** CAS# 127-09-3: AJ4300010  
**LD50/LC50:** RTECS:  
**CAS# 127-09-3:** Draize test, rabbit, eye: 10 mg Mild;  
Draize test, rabbit, skin: 500 mg/24H Mild;  
Inhalation, rat: LC50 = >30 gm/m<sup>3</sup>/1H;  
Oral, mouse: LD50 = 6891 mg/kg;  
Oral, rat: LD50 = 3530 mg/kg;  
Skin, rabbit: LD50 = >10 gm/kg;  
.  
**Carcinogenicity:** Sodium acetate - Not listed as a carcinogen by ACGIH, IARC, NTP, or CA Prop 65.  
**Other:** See actual entry in RTECS for complete information.

### Section 12 - Ecological Information

**Ecotoxicity:** Fish: Bluegill/Sunfish: LC50 = 5000 mg/L; 24 Hr.; Unspecified  
Water flea Daphnia: EC50 = 5800 mg/L; 48 Hr.; Unspecified

### Section 13 - Disposal Considerations

Products considered hazardous for supply are classified as Special Waste and the disposal of such chemicals is covered by regulations which may vary according to location. Contact a specialist disposal company or the local authority or advice. Empty containers must be decontaminated before returning for recycling.

### Section 14 - Transport Information

	IATA	IMO	RID/ADR
<b>Shipping Name:</b>	Not regulated.	Not regulated.	Not regulated.
<b>Hazard Class:</b>			
<b>UN Number:</b>			
<b>Packing Group:</b>			

### Section 15 - Regulatory Information

#### European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: Not available

Risk Phrases:

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

WGK (Water Danger/Protection)

CAS# 127-09-3: 1

Canada

CAS# 127-09-3 is listed on Canada's DSL List

**US Federal**

TSCA

CAS# 127-09-3 is listed on the TSCA Inventory.

**Section 16 - Other Information**

**MSDS Creation Date:** 7/12/1999

**Revision #5 Date** 6/29/2007

*The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential, or exemplary damages howsoever arising, even if the company has been advised of the possibility of such damages.*

-----