



Effective Date: 09/01/13  
Replaces Revision: 06/17/09

NON-EMERGENCY TELEPHONE  
610-866-4225

24-HOUR CHEMTREC EMERGENCY TELEPHONE  
800-424-9300

## SDS – SAFETY DATA SHEET

### 1. Identification

**Product Identifier:** SODIUM ACETATE SOLUTION

**Synonyms:** Sodium Acetate and Water

**Chemical Formula:** CH<sub>3</sub>COONa

**Recommended Use of the Chemical and Restrictions On Use:** Laboratory Reagent

**Manufacturer / Supplier:** Puritan Products; 2290 Avenue A, Bethlehem, PA 18017 **Phone:** 610-866-4225

**Emergency Phone Number:** 24-Hour Chemtrec Emergency Telephone 800-424-9300

### 2. Hazard(s) Identification

**Classification of the Substance or Mixture:**

Acute toxicity, Inhalation (Category 5)

Skin irritation (Category 3)

Eye irritation (Category 2A)

**Risk and Safety Phrases:**

R36: Irritating to eyes.

**Label Elements:**

**Trade Name:** SODIUM ACETATE SOLUTION

**Signal Word:** Warning



**Hazard Statements:**

H316: Causes mild skin irritation.

H320: Causes eye irritation.

H333: May be harmful if inhaled.

**Precautionary Statements:**

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present, and easy to do. Continue rinsing.

### 3. Composition / Information on Ingredients

**CAS Number:** 127-09-3

**EC Number:** 204-823-8

**Molecular Weight:** 82.03 g/mol

| Ingredient     | CAS Number | EC Number | Percent    | Hazardous | Chemical Characterization |
|----------------|------------|-----------|------------|-----------|---------------------------|
| Sodium Acetate | 127-09-3   | 204-823-8 | 0.5 – 30%  | Yes       | Substance                 |
| Water          | 7732-18-5  | 231-791-2 | 70 – 99.5% | No        | Mixture                   |

### 4. First-aid Measures

**Inhalation:** Remove to fresh air. Get medical attention for any breathing difficulty.

**Ingestion:** Give several glasses of water to drink to dilute. Never give anything by mouth to an unconscious person. If large amounts were swallowed, get medical advice.

**Skin Contact:** Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if irritation develops.

**Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention if irritation persists.

### 5. Fire-fighting Measures

**Fire:** Combustible. Evaporated residue may pose a fire hazard when exposed to elevated temperatures or by contact with an ignition source.

**Explosion:** No data available.

**Fire Extinguishing Media:** Water spray, dry chemical, alcohol foam, or Carbon Dioxide.

**Special Information:** In the event of a fire, wear full protective clothing and NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

### 6. Accidental Release Measures

**Personal Precautions, Protective Equipment and Emergency Procedures:** Wear appropriate personal protective equipment as specified in Section 8.

**Environmental Precautions and Methods and Materials for Containment and Cleaning Up:** Take up with sand or other non-combustible absorbent material and place into container for later disposal. Flush spill area with water.

### 7. Handling and Storage

**Precautions for Safe Handling and Conditions for Safe Storage, Including Any Incompatibilities:** Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Isolate from any source of heat or ignition. Containers of this material may be hazardous when empty since they retain product residues (dust, solids.) Observe all warnings and precautions listed for the product.

### 8. Exposure Controls / Personal Protection

**Airborne Exposure Limits:** None established.

**Ventilation System:** A system of local and / or general exhaust is recommended to keep employee exposures low. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of Recommended Practices*, most recent edition, for details.

**Personal Respirators (NIOSH Approved):** For conditions of use where exposure to dust or mist is apparent and engineering controls are not feasible, a particulate respirator (NIOSH type N95 or better filters) may be worn. If oil particles (e.g. lubricants, cutting fluids, Glycerine, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full face positive-pressure, air-supplied respirator. **WARNING:** Air-purifying respirators do not protect workers in Oxygen-deficient atmospheres.

**Skin Protection:** Wear protective gloves and clean body-covering clothing.

**Eye Protection:** Use chemical safety goggles and / or a full face shield where splashing is possible. Maintain eye wash fountain and quick-drench facilities in work area.

## 9. Physical and Chemical Properties

**Appearance:** Clear, colorless liquid

**Odor:** Odorless

**Odor Threshold:** Not determined

**pH:** > 7.0 to 9.2

**% Volatiles by volume @ 21C (70F):** 0

**Melting Point:** No data available

**Boiling Point / Boiling Range:** No data available

**Flash Point:** No data available

**Evaporation Rate (BuAC=1):** No data available

**Flammability:** Evaporated residue may pose a fire hazard when exposed to elevated temperatures or by contact with an ignition source.

**Upper / Lower Flammability or Explosive Limits:** No data available

**Vapor Pressure (mm Hg):** No data available

**Vapor Density (Air=1):** No data available

**Relative Density:** 1.08 g/cm<sup>3</sup> for a 15% solution

**Solubility:** Infinitely soluble

**Partition Coefficient: n-octanol / water:** No data available

**Auto-ignition Temperature:** No data available

**Decomposition Temperature:** No data available

**Viscosity:** No data available

## 10. Stability and Reactivity

**Reactivity and / or Chemical Stability:** Stable under ordinary conditions of use and storage.

**Possibility of Hazardous Reactions and Conditions to Avoid:** Heat, flames, ignition sources and incompatibles.

**Incompatible Materials:** Nitric Acid, Fluoride, Potassium Nitrate, strong oxidizers and Diketene.

**Hazardous Decomposition Products:** Emits fumes of Acetic Acid upon heating and on contact with strong acids.

## 11. Toxicological Information

**Emergency Overview:** CAUTION! MAY CAUSE IRRITATION TO SKIN, EYES, AND RESPIRATORY TRACT.

**Potential Health Effects:**

**Inhalation:** May cause irritation to the respiratory tract. Symptoms may include coughing, sore throat, labored breathing, and chest pain.

**Ingestion:** Large doses may produce abdominal pain, nausea, and vomiting.

**Skin Contact:** May cause irritation with redness and pain.

**Eye Contact:** May cause irritation, redness and pain.

**Chronic Exposure:** No information found.

**Aggravation of Pre-existing Conditions:** No information found.

**Specific Target Organ Toxicity - Single Exposure (Globally Harmonized System:)** No data available.

**Specific Target Organ Toxicity - Repeated Exposure (Globally Harmonized System:)** No data available.

**Numerical Measures of Toxicity:** Cancer Lists: NTP Carcinogen

| Ingredient                | Known | Anticipated | IARC Category |
|---------------------------|-------|-------------|---------------|
| Sodium Acetate (127-09-3) | No    | No          | None          |
| Water (7732-18-5)         | No    | No          | None          |

**Acute Toxicity:**

For Sodium Acetate:

Oral rat LD50: 3530 mg/kg; inhalation rat LC50: > 30 g/m3

Skin rabbit LD50: > 10 g/kg

Irritation Data, standard Draize: Skin rabbit 500 mg/24 h, mild; standard Draize, Eye rabbit 10 mg, mild

Investigated as a mutagen.

## 12. Ecological Information

**Ecotoxicity:**

Freshwater Fish Species Data: LC50 *Lepomis macrochirus*: 5000 mg/L / 24 h

Microtox Data: EC50 *Pseudomonas putida*: 7200 mg/L / 18 h

Water Flea Data: EC50 water flea: 5800 mg/L / 48 h

**Persistence and Degradability:** No further relevant information available.

**Bioaccumulative Potential:** No further relevant information available.

**Mobility in Soil:** No further relevant information available.

**Other adverse effects:** No further relevant information available.

## 13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

## 14. Transport Information

**Land Transport ADR/RID and GGVS/GGVE (Cross Border / Domestic)**

Not regulated

**Maritime Transport IMDG/GGVSea**

Not regulated

**Air Transport ICAO-TI and IATA-DGR**

Not regulated

## 15. Regulatory Information

**Chemical Inventory Status – Part 1**

| Ingredient                | TSCA | EC  | Japan | Australia |
|---------------------------|------|-----|-------|-----------|
| Sodium Acetate (127-09-3) | Yes  | Yes | Yes   | Yes       |
| Water (7732-18-5)         | Yes  | Yes | Yes   | Yes       |

**Chemical Inventory Status – Part 2**

| Ingredient                | Korea | Canada |      | Phil. |
|---------------------------|-------|--------|------|-------|
|                           |       | DSL    | NDSL |       |
| Sodium Acetate (127-09-3) | Yes   | Yes    | No   | Yes   |
| Water (7732-18-5)         | Yes   | Yes    | No   | Yes   |

**Federal, State & International Regulations - Part 1**

| Ingredient                | SARA 302 |     | SARA 313      |       |
|---------------------------|----------|-----|---------------|-------|
|                           | RQ       | TPQ | List Chemical | Catg. |
| Sodium Acetate (127-09-3) | No       | No  | No            | No    |
| Water (7732-18-5)         | No       | No  | No            | No    |

**Federal, State & International Regulations - Part 2**

| Ingredient                | RCRA   |        | TSCA |  |
|---------------------------|--------|--------|------|--|
|                           | CERCLA | 261.33 | 8(d) |  |
| Sodium Acetate (127-09-3) | No     | No     | No   |  |
| Water (7732-18-5)         | No     | No     | No   |  |

|                                        |                   |                       |                 |                     |
|----------------------------------------|-------------------|-----------------------|-----------------|---------------------|
| <b>Chemical Weapons Convention:</b> No |                   | <b>TSCA 12(b):</b> No |                 | <b>CDTA:</b> No     |
| <b>SARA 311/312:</b>                   | <b>Acute:</b> Yes | <b>Chronic:</b> No    | <b>Fire:</b> No | <b>Pressure:</b> No |
| <b>Reactivity:</b> No                  |                   | Mixture / Liquid      |                 |                     |

**Australian Hazchem Code:** None allocated

**Poison Schedule:** None allocated

## 16. Other Information

THE INFORMATION CONTAINED IN THIS DATA SHEET IS BASED ON THE DATA AVAILABLE TO PURITAN PRODUCTS AT THIS TIME. WHILE BELIEVED TO BE ACCURATE, PURITAN PRODUCTS DOES NOT CLAIM IT TO BE ALL INCLUSIVE. IT IS PROVIDED INDEPENDENT OF ANY SALE OF THE PRODUCT, FOR THE PURPOSE OF HAZARD COMMUNICATION, AND AS A GUIDE FOR THE APPROPRIATE PRECAUTIONARY HANDLING OF THE PRODUCT BY PROPERLY TRAINED INDIVIDUALS. IT IS NOT INTENDED TO PROVIDE PRODUCT PERFORMANCE OR APPLICABILITY INFORMATION, AND NO EXPRESS OR IMPLIED WARRANTY OF ANY KIND IS MADE WITH RESPECT TO THE PRODUCT, THE UNDERLYING PRODUCT DATA, OR THE INFORMATION CONTAINED HEREIN. YOU ARE URGED TO OBTAIN MATERIAL SAFETY DATA SHEETS FOR ALL PRODUCTS YOU BUY, PROCESS, USE OR DISTRIBUTE, AND ARE ENCOURAGED TO ADVISE THOSE WHO MAY COME IN CONTACT WITH SUCH PRODUCTS OF THE INFORMATION CONTAINED THEREIN.

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