

## MATERIAL SAFETY DATA SHEET

MANUFACTURER: Manufactured for  
ROSEMOUNT ANALYTICAL INC.  
ADDRESS: 851 McKinley Avenue  
Colombus, OH 43222

DATE REVISED: 1-27-11  
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(1-800-424-9300 24 Hr. CHEMTREC/ CODE: RANA)

### SECTION 1-Product Identification

**Product Name: Reagent #3, Buffer (green)**

**Synonyms: Ammonium acetate (2.4%), Acetic acid (2.8%) in aqueous solution.**

**Part Number: 185-3026-44**

### SECTION 2-Composition/Information on Ingredients

Ingredient(s)	CAS #	Percent	Hazardous
Water	7732-18-5	94.8	no
Ammonium Acetate	631-61-8	2.4	no
Acetic Acid	64-19-7	2.8	no

### SECTION 3-Hazards Identification

Health Rating: 1  
Flammability Rating: 0  
Reactivity Rating: 0

Lab Protective Equip: gloves, safety goggles, lab coat

### SECTION 4-First Aid Measures

**INHALATION:** Mildly irritating to mucous membranes if inhaled- remove to fresh air. Give oxygen if necessary, seek medical attention immediately.

**INGESTION:** Harmful if swallowed- Induce vomiting. Give plenty of water, seek medical attention.

**SKIN CONTACT:** Mildly irritating- Wash with soap and water. Remove contaminated clothing. Call a physician if irritation persists.

**EYE CONTACT:** An eye irritant- flush with water for at least 15 minutes. Seek medical attention if irritation persists.

### SECTION 5-Fire Fighting Measures

**Fire: Not flammable**

**Explosion: N/A**

**Fire Extinguishing Media: Fight Surrounding Fire**

**Special Information: N/A**

### SECTION 6-Accidental Release Measures

Stop the leak if possible. Flush area well with water to dilute. Absorb onto an inert material and store it in a closed container. Vent any confined spaces to outside atmosphere.

### SECTION 7-Handling and Storage

Wash thoroughly after handling. Don't breath vapors. Do not get in eyes, on skin or on clothing. Keep containers closed. Store in closed containers.

#### SECTION 8-Exposure Controls/Personal Protection

Airborne Exposure Limits: N/A

Ventilation System: Normal room ventilation is adequate.

Personal Respirators (NIOSH Approved): N/A

Skin Protection: Gloves, lab coat.

Eye Protection: Use safety glasses or goggles.

#### SECTION 9-Physical and Chemical Properties

Appearance: Clear, colorless liquid

Odor: Mild ammonium odor

Solubility: soluable

Specific Gravity: N/E

pH: 6.8

Boiling Point: Approximately 212-214°F

Melting Point: No data

Vapor Density (Air=1): N/E

Vapor Pressure (mm Hg): N/E

Evaporation Rate (BuAc=1): N/E

#### SECTION 10-Stability and Reactivity

Stability: Stable

Hazardous Decomposition Products: Could include CO, Carbon Dioxide, Nitrogen

Hazardous Polymerization: Will not occur

Incompatibilities: Strong oxidizers, strong acids.

Conditions to Avoid: Extreme heat/ flames

#### SECTION 11-Toxicological Information:

Routes of absorption: Inhalation, skin, eyes, ingestion

Threshold limit value: N/E

Signs, symptoms and effects of exposure:

Acute: Irritation of mucous membranes

Chronic: N/A

Acute oral toxicity (LD 50, rat): 632 mg/kg (con. Ammonium acetate)

Dermal toxicity: irritating to skin

Mildly irritating to respiratory tract

#### SECTION 12-Ecological Information

Environmental Fate: N/A

Environmental Toxicity: N/A

Additional information: Waste from this product could have a long-term environmental effect thus incineration may be more desirable than landfill disposal.

#### SECTION 13-Disposal Considerations

Comply with all Federal, State and local regulations. Almost all disposal methods are subject to regulation under RCRA. In particular, review RCRA land disposal restrictions. Under some conditions, material contaminated with this product may be landfilled at appropriately permitted facilities.

**SECTION 14-Transport Information**

Non-hazardous; maximum container: 5 liters

**SECTION 15-Regulatory Information**

**US Federal Regulations:**

Toxic Substances Control Act (TSCA): N/V OSHA Hazard Communication Standard  
(29CFR1910.1200) Hazard  
class - none  
EPA SARA Title III Section 312 (40CFR370) Hazard Class: none  
EPA SARA Title III Section 313 (40CFR372) toxic chemicals above  
"de minimis" level are  
None

**State Regulations:**

Proposition 65 Substances (components) known to the State of  
California to cause cancer and/or reproductive toxicity and subject  
to warning and discharge requirements under the "Safe Drinking  
Water and Toxic Enforcement Act of 1986":  
None

**SECTION 16-Other Information**

N/A

**NFPA Ratings:** Health:1 Flammability:0 Reactivity:0

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