

**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 #1, (Red)**

**Synonyms:**

**Part Number: 185-3026-42**

**SECTION 2-Composition/Information on Ingredients**

Ingredient(s)	CAS #	Percent	Hazardous
Water	7732-18-5	99.952	no
Hydrochloric Acid	7647-01-0	0.3	yes

**SECTION 3-Hazards Identification**

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

Lab Protective Equip: gloves, safety goggles

**SECTION 4-First Aid Measures**

INHALATION: Fresh air and normal ventilation. Call a physician if difficulty in breathing persists.

INGESTION: Immediately drink 4-6 ounces of water, repeat many times, call a physician.

SKIN CONTACT: Wash thoroughly with water, call a physician.

EYE CONTACT: Immediately flush with water for at least 15 minutes, call a physician.

**SECTION 5-Fire Fighting Measures**

**Fire: Not Combustible**

**Explosion: The solution is not combustible**

**Fire Extinguishing Media: Fight Surrounding Fire**

**Special Information: N/A**

**SECTION 6-Accidental Release Measures**

Wear protective gloves, goggles and dike area, do not walk in or stand in solution. Cover with sodium bicarbonate or soda ash and mix. Let stand to complete neutralization. Store in a closed container for disposal. Wash area with soda ash solution and flush with water.

**SECTION 7-Handling and Storage**

Material must be stored and disposed of in accordance with all local, state and federal laws.

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

Airborne Exposure Limits: N/E  
Ventilation System: Local exhaust  
Personal Respirators (NIOSH Approved): Not Required  
Skin Protection: Rubber Gloves, lab coat  
Eye Protection: Safety Goggles with side shields

#### SECTION 9-Physical and Chemical Properties

Appearance: Clear, colorless liquid  
Odor: Slight Chlorine odor  
Solubility: Soluble  
Specific Gravity: 1.0  
pH: Below 4  
Boiling Point: Approximately 212°F  
Melting Point: N/A  
Vapor Density (Air=1): Same as water  
Vapor Pressure (mm Hg): Same as water  
Evaporation Rate (BuAc=1): Same as water

#### SECTION 10-Stability and Reactivity

Stability: Stable  
Hazardous Decomposition Products: N/E  
Hazardous Polymerization: Will not occur  
Incompatibilities: N/E  
Conditions to Avoid: N/E

#### SECTION 11-Toxicological Information:

Routes of absorption: Inhalation, skin, eyes, ingestion  
Threshold limit value: OSHA limit (airborne) 5 ppm TWA  
Signs, symptoms and effects of exposure:  
Acute: Irritation of eyes, nose, throat, and skin  
Chronic: May cause burns, erode teeth, cause mouth to become sore; eye, nose & throat inflammation.

#### SECTION 12-Ecological Information

Environmental Fate: N/A  
Environmental Toxicity: N/A

#### SECTION 13-Disposal Considerations

Material must be stored and disposed of in accordance with all local, state and federal laws.

#### SECTION 14-Transport Information

UN3264, Corrosive liquid, acidic, inorganic, n.o.s. (hydrochloric acid solution), 8, corrosive, PGIII

**SECTION 15-Regulatory Information**  
**None Reported**

**SECTION 16-Other Information**  
**N/A**

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

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