

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, Buffering Reagent (Red)
Synonyms: Sulfuric Acid Solution
Part Number: 185-3030-32

SECTION 2-Composition/Information on Ingredients

Ingredient(s)	CAS #	Percent	Hazardous
Water	7732-18-5	97.8	no
Sulfuric Acid	7664-93-9	2.2	yes

SECTION 3-Hazards Identification

Health Rating: 2
Flammability Rating: 0
Reactivity Rating: 1

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 but will react with other chemicals (hydroxides) and even water.

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. Dilute spill with more water. Neutralize by covering surface with slaked lime, add water to form a slurry. Scoop up and flush with excess water. Observe all laws.

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: Not Required
Personal Respirators (NIOSH Approved): Not Required
Skin Protection: Rubber Gloves, lab coat (optional)
Eye Protection: Safety Goggles

SECTION 9-Physical and Chemical Properties

Appearance: Clear, colorless liquid
Odor: Odorless
Solubility: Soluble
Specific Gravity: 1.0
pH: 2.1
Boiling Point: Approximately 213°F
Melting Point: N/A
Vapor Density (Air=1): N/A
Vapor Pressure (mm Hg): N/E
Evaporation Rate (BuAc=1): N/E

SECTION 10-Stability and Reactivity

Stability: Stable
Hazardous Decomposition Products: Will not occur
Hazardous Polymerization: N/E
Incompatibilities: Organic Acids, metals, fulminates
Conditions to Avoid: N/E

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 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

Reportable Quantity: 1000 pounds as 100% Sulfuric Acid (per 49 CFR 172.101 appendix)

UN2796, Sulfuric Acid Solution, 8, Corrosive, PGII

SECTION 15-Regulatory Information

None Reported

SECTION 16-Other Information

N/A

NFPA Ratings: Health:2 Flammability:0 Reactivity:1

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