

**MATERIAL SAFETY DATA SHEET**

MANUFACTURER: ROSEMOUNT ANALYTICAL INC.  
ADDRESS: 2400 BARRANCA PARKWAY  
IRVINE, CA 92606  
TELEPHONE: 949/757-8500  
(1-800-424-9300 24 Hr. CHEMTREC/ CODE: RANA)

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PREPARED BY: T. Phillips

**SECTION 1-Product Identification**

Product Name: Ammonia working standard  
Synonyms:  
Part Number: 180-1010-38,41,42,46,49,50,70,73,76,87,87C

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

Ingredient(s)	CAS #	Percent	Hazardous
Water	7732-18-5	99.9999	no
Ammonium Chloride	12125-02-9	0.0001	no

**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: None  
INGESTION: None  
SKIN CONTACT: None  
EYE CONTACT: None

**SECTION 5-Fire Fighting Measures**

Fire: Not Combustible  
Explosion: N/A  
Fire Extinguishing Media: Fight Surrounding Fire  
Special Information: N/A

**SECTION 6-Accidental Release Measures**

Spilling water on certain surfaces could represent a trip and fall hazard.

**SECTION 7-Handling and Storage**

N/A

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

Airborne Exposure Limits: N/A  
Ventilation System: N/A  
Personal Respirators (NIOSH Approved): N/A  
Skin Protection: N/A  
Eye Protection: N/A

**SECTION 9-Physical and Chemical Properties**

Appearance: Clear, colorless liquid  
Odor: Odorless  
Solubility: very  
Specific Gravity: 1.0  
pH: N/E  
Boiling Point: Approximately 100°C  
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: All water reactive materials, for example magnesium.  
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: N/A  
    Chronic: N/A

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: N/A

SECTION 15-Regulatory Information

None Reported

SECTION 16-Other Information

N/A

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

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**Prepared by: Rosemount Analytical Inc.**  
Phone Number: (949) 757-8500