

MATERIAL SAFETY DATA SHEET

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

DATE REVISED: 1-27-11
PREPARED BY: T. Phillips

TELEPHONE: (614) 224-5345

(1-800-424-9300 24 Hr. CHEMTREC/ CODE: RANA)

SECTION 1-Product Identification

Product Name: Working Standard, 200 ppb, 100ppb

Synonyms:

Part Number: 185-3018-35,36

SECTION 2-Composition/Information on Ingredients

Ingredient(s)	CAS #	Percent	Hazardous
Water	7732-18-5	99.5999	no
Hydrochloric Acid	7647-01-0	0.4	yes
Hydrazine Dihydrochloride	5341-61-7	0.00001	no

SECTION 3-Hazards Identification

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

Lab Protective Equip: gloves, safety goggles

SECTION 4-First Aid Measures

INHALATION: N/A
INGESTION: Do not pipette by mouth
SKIN CONTACT: Protective gloves
EYE CONTACT: Safety glasses

SECTION 5-Fire Fighting Measures

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

SECTION 6-Accidental Release Measures

Neutralize with base & absorb on inert material & dispose of according to local state and federal regulations.

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): None
Skin Protection: Nitrile or other safety glove
Eye Protection: goggles with side shields

SECTION 9-Physical and Chemical Properties

Appearance: Clear, colorless liquid
Odor: Odorless
Solubility: Infinite
Specific Gravity: 1.0
pH: 2
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

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:1 Flammability:0 Reactivity:0

Rosemount Analytical Inc., a Division of Emerson Process Management, provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose. ROSEMOUNT ANALYTICAL INC. MAKES NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE INFORMATION SET FORTH HEREIN OR THE PRODUCT TO WHICH THE INFORMATION REFERS. ACCORDINGLY, ROSEMOUNT ANALYTICAL INC. WILL NOT BE RESPONSIBLE FOR DAMAGES RESULTING FROM USE OF OR RELIANCE UPON THIS INFORMATION.

.....

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