

MATERIAL SAFETY DATA SHEET

MANUFACTURER: Manufactured for
ROSEMOUNT ANALYTICAL INC.
ADDRESS: 851 McKinley Avenue
Columbus, 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 Copper Monitor Working Standard
Synonyms: Cupric Sulfate (30 ppm or less) in Aqueous Solution
Part Number: 185-3029-50

SECTION 2-Composition/Information on Ingredients

Ingredient(s)	CAS #	Percent	Hazardous
Water	7732-18-5	99.71	no
Sulfuric Acid	7764-93-9	0.04	no
Cupric Sulfate	7758-98-7	0.25	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: None
INGESTION: None
SKIN CONTACT: Rinse well
EYE CONTACT: Flush eyes well

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

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: Normal room ventilation is adequate
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: N/A
Specific Gravity: 1.0
pH: 4-7
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: None
Hazardous Polymerization: Will not occur
Incompatibilities: All water reactive materials, for example magnesium.
Conditions to Avoid: None

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

DOT Non-bulk Shipping Name: Copper sulfate solution

SECTION 15-Regulatory Information

US Federal Regulations:

Toxic Substances Control Act (TSCA): None found
OSHA Hazard Communication Standard (29CFR1910.1200) Hazard class -None found
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
New Jersey Trade Secret Registry Number(s): None

SECTION 16-Other Information
N/A

NFPA Ratings: Health:0 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