

**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: Nitroprusside Reagent, Reagent #3 (Green)**

**Synonyms:**

**Part Number: 185-3010-33**

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

Ingredient(s)	CAS #	Percent	Hazardous
Water	7732-18-5	99.9	no
Sodium Nitroprusside Dihydrate	13755-38-9	0.1	yes

**SECTION 3-Hazards Identification**

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

Lab Protective Equip: gloves, safety goggles with shields

**SECTION 4-First Aid Measures**

INHALATION: Remove to fresh air. Seek attention if necessary.  
INGESTION: Do not induce vomiting. Give large volumes of milk or water. Call a physician.  
SKIN CONTACT: Flush well with soap and water.  
EYE CONTACT: Flush well with water for at least 15 minutes. Seek medical attention if irritation persists.

**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**

May cause surfaces to become slippery; ventilate; absorb on inert material. Store in an enclosed container and dispose of according to local, state & federal regulations, or neutralize with dilute acid and dispose of as non-hazardous waste.

**SECTION 7-Handling and Storage**

N/A

## SECTION 8-Exposure Controls/Personal Protection

Airborne Exposure Limits: N/A  
Ventilation System: Normal room ventilation  
Personal Respirators (NIOSH Approved): Not required  
Skin Protection: impervious gloves  
Eye Protection: safety glasses with shields

## SECTION 9-Physical and Chemical Properties

Appearance: Clear, colorless liquid  
Odor: Odorless  
Solubility: soluble  
Specific Gravity: N/E  
pH: 3.72  
Boiling Point: 213 degrees Fahrenheit  
Melting Point: N/E  
Vapor Density (Air=1): N/E  
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: N/E  
Incompatibilities: None  
Conditions to Avoid: Ferric salts, mineral acids, lime water

## SECTION 11-Toxicological Information:

Routes of absorption: Inhalation, ingestion.  
Threshold limit value: N/E  
Signs, symptoms and effects of exposure:  
    Acute: May cause irritation to eyes skin respiratory tract  
    Chronic: N/E

## SECTION 12-Ecological Information

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

## SECTION 13-Disposal Considerations

SPECIFIC WASTE DISPOSAL METHOD(S): Treat a dilute basic solution (pH 10-11 of the material with a 50% excess of commercial laundry bleach. Control the temperature by the addition rate of bleach and adjust pH if necessary. Let stand overnight. Cautiously adjust solution to pH 7. Vigorous evolution of gas may occur. Filter any solids for disposal in accordance with local, state & federal guidelines.

## SECTION 14-Transport Information

None found

Reportable Quantity: N/A

## SECTION 15-Regulatory Information

Concentrated sodium nitropursside is classified as a highly toxic (USA definition) and very toxic (European definition). This material is subject to SARA section 313 reporting requirements. This solution contains less than one half of a percent.

**SECTION 16-Other Information**

N/A

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

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