

**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: Sodium Monitor Reagent #1**  
**Synonyms: Reagent #1, Diisopropylamine, buffer, DIPA**  
**Part Number: 180-1011-31**

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

Ingredient(s)	CAS #	Percent	Hazardous
Water	7732-18-5	99.4	no
Diisopropylamine	108-18-9	0.6	yes

**SECTION 3-Hazards Identification**

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

Lab Protective Equip: Safety Goggles, Gloves, Lab apron.

**SECTION 4-First Aid Measures**

INHALATION: Irritating to mucous membranes. Remove to fresh air, give oxygen if necessary.

INGESTION: Harmful if swallowed. Induce vomiting. Give plenty of water. Seek Medical attention. Do not give anything orally if unconscious.

SKIN CONTACT: Mildly Corrosive to skin; can be absorbed through the skin. Wash with soap and water. Remove and wash contaminated clothing.

EYE CONTACT: An eye irritant. Flush 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: Stay upwind, slight amounts of ammonia gas, oxides of nitrogen and carbon monoxide may be produced.**

**SECTION 6-Accidental Release Measures**

Stop the leak if possible. Flush area well with water to dilute. Absorb onto an inert material and store it in a closed container. Vent any confined spaces outside atmosphere.

#### SECTION 7-Handling and Storage

Wash thoroughly after handling. Do not breathe vapors. Do not get in eyes, on skin or on clothing. Keep containers closed. Store in tightly closed containers.

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

Airborne Exposure Limits: N/A

Ventilation System: Normal room ventilation is fine

Personal Respirators (NIOSH Approved): Under normal use of product, respirator is not required.

Skin Protection: gloves

Eye Protection: Use safety glasses or goggles.

#### SECTION 9-Physical and Chemical Properties

Appearance: Clear, colorless liquid

Odor: very slight ammonia

Solubility: Soluble

Specific Gravity: 0.996-0.998

pH: 4-7

Boiling Point: Approximately 100-101°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: Could include Carbon monoxide, carbon dioxide, nitrogen oxides.

Hazardous Polymerization: Will not occur.

Incompatibilities: Strong Acids, Strong oxidizers.

Conditions to Avoid: Extreme heat/flames.

#### SECTION 11-Toxicological Information:

Acute Oral Toxicity (LD 50, Rat): 700 mg/kg (for concentrated DIPA)

Acute Dermal Toxicity (LD 50, Rabbit): >1000 mg/kg (for con. DIPA)

Acute Inhalation Toxicity ((LC 50, Rat): 4.8 mg/l/2 hr. (for con. DIPA)

Irritation Effects Data: Corrosive to the skin of a rabbit (for con. DIPA)

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: Waste from this product could have a long-term environmental effect, thus incineration may be more desirable than landfill disposal.

### 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: Diisopropylamine// 2 // UN3267 // PG III

Mildly Corrosive Liquid, Basic, Organic,  
NOS [1.0-2.0] UN3267

### SECTION 15-Regulatory Information

US Federal Regulations:

Toxic Substances Control Act (TSCA):

OSHA Hazard Communication Standard (29CFR1910.1200) Hazard class - mildly corrosive, mildly toxic by continued inhalation

EPA SARA Title III Section 312 (40CFR370) Hazard Class: Possible health hazard through long term, continual contact.

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

Canada:

DSL: Included on inventory

WHMIS Hazard Classification: Class Division Class Division  
Class

WHMIS Trade Secret Registry Number(s): None

WHMIS Hazardous Ingredients: None

WHMIS Symbols: Test tube/hand, Skull & Crossbones

European Economic Community (EEC):

EINECS Master Inventory: Included on inventory as concentrated material. Maximum concentration is 0.6 %.

EEC SYMBOL: Irritant

EEC Risk ( R ) Phrases: Irritating to eyes, respiratory system and skin.

EEC Safety Phrases: Keep container in a ventilated area.

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Legend:

N/A - Not Applicable

N/D - Not Determined

N/V - Not Available

w/w - weight/weight

w/v - weight/volume

v/v - volume/volume

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

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