

**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: Sodium Monitor Reagent #1 (Cation Sodium)**  
**Synonyms: Reagent #1, Diisopropylamine, buffer, DIPA**  
**Part Number: 180-1011-34,35,42,43**

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

Ingredient(s)	CAS #	Percent	Hazardous
Water	7732-18-5	97.8	no
Diisopropylamine	108-18-9	2.2	yes

**SECTION 3-Hazards Identification**

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

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



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