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MATERIAL SAFETY DATA SHEET

Revised: 10/01/86

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SECTION I - PRODUCT IDENTIFICATION

Product Name: Sodium Nitrite Reagent

Catalog/Part No.: 4015-01, 5250-03, 8115-01, 9000-04, 9004-01

PRECAUTIONARY LABELING

Hazard Rating:

Health: 1 Flammability: 0 Reactivity: 1 Contact: 1

Laboratory Protective Equipment: Chemical safety glasses and lab coat

Precautionary Label Statements: FOR IN VITRO DIAGNOSTIC USE ONLY!

CAUTION: Do not pipet by mouth. Avoid contact with eyes, skin and clothing.

SECTION II - HAZARDOUS INGREDIENTS

| <u>Ingredient</u> | <u>CAS No.</u> | <u>Percent</u> | <u>Exposure Limits</u> |
|-------------------|----------------|----------------|------------------------|
| Sodium nitrite | 7632-00-0 | < 3 % | TLV: None indicated |

Ingredients not precisely identified are proprietary or nonhazardous. Values are not product specifications.

SECTION III - PHYSICAL DATA

| | | | |
|----------------------|----------------------------|----------------------------|-----|
| Boiling Point: | N/A | Melting Point: | N/A |
| Specific Gravity: | N/A | Evaporation Rate: | N/A |
| Solubility in Water: | Appreciable | Percent Volatiles (Vol.%): | N/A |
| Vapor Pressure: | N/A | Vapor Density: | N/A |
| Appearance & Odor: | Colorless, odorless liquid | | |
| pH: | N/A | | |

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SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: N/A Flammable Limits: N/A

Extinguishing Media: Use extinguishing media appropriate for surrounding area or water spray.

Special Fire Fighting Procedures: Wear self-contained breathing apparatus and protective clothing.

Toxic Gases Produced: Nitrogen oxides

SECTION V - HEALTH HAZARD DATA

Toxicity: Sodium nitrite: LD₅₀ (oral-rat): 85 mg/kg

Effects of Overexposure: Ingestion may cause irritation and burning to mouth and stomach.

Emergency and First Aid Procedures:

NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

Ingestion: If swallowed, if conscious, immediately induce vomiting.

Inhalation: N/A

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes.

Skin Contact: Flush skin with water.

SECTION VI - REACTIVITY DATA

Stability: Stable

Decomposition Products: Oxides of nitrogen

Incompatibles: Cyanides, strong acids and reducing agents

Conditions to Avoid: Heat

SECTION VII - SPILL AND DISPOSAL PROCEDURES

Steps to be taken in the event of a spill or leak: Flush with large amounts of water.

Disposal procedure: Dispose in accordance with applicable local, state and federal environmental regulations. Carefully pour liquid contents down drain while flushing with water. Rinse containers with water.

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SECTION VIII - SPECIAL PROTECTION INFORMATION

Ventilation: Use adequate general or local exhaust ventilation.

Respiratory Protection: None required in normal use.

Eye/Skin Protection: Chemical safety glasses and lab coat recommended.

SECTION IX - STORAGE AND HANDLING PRECAUTIONS

Special Precautions: Store between 20° and 25° C.

SECTION X - TRANSPORTATION DATA AND ADDITIONAL INFORMATION

Domestic (D.O.T.):

Proper Shipping Name: Chemicals, n.o.s.

International (I.M.O.):

Proper Shipping Name: Chemicals, n.o.s.

N/A = Not Applicable or Not Available

The information published in this Material Safety Data Sheet (MSDS) has been compiled in good faith from our experience and data presented in various technical publications and is presented without guaranty. American Monitor Corporation makes no representation as to the accuracy of the information contained in this MSDS. While the information is believed to be correct, the user should perform his own investigation and independent verification. It is also the user's responsibility to determine the suitability of this information for the adoption of necessary safety precautions. We reserve the right to revise Material Safety Data Sheets periodically as new information becomes available.

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