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MATERIAL SAFETY DATA SHEET

Revised: 10/01/86

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SECTION I - PRODUCT IDENTIFICATION

Product Name: Fehling Reagent (modified)

Catalog/Part No.: 9000-02, 9002-01

PRECAUTIONARY LABELING

Hazard Rating:

Health: 2 Flammability: 0 Reactivity: 1 Contact: 3

Laboratory Protective Equipment: Safety glasses, lab coat and apron, gloves

Precautionary Label Statements: FOR IN VITRO DIAGNOSTIC USE ONLY!

DANGER: May cause burns and may be poisonous if swallowed. Do not
get in eyes, on skin or clothing. Do not pipet by mouth.

SECTION II - HAZARDOUS INGREDIENTS

| <u>Ingredient</u> | <u>CAS No.</u> | <u>Percent</u> | <u>Exposure Limits</u> |
|-------------------|----------------|----------------|---|
| Sodium hydroxide | 1310-73-2 | < 6 % | TLV: 2 mg/m3 (ceiling limit) PEL: 2 mg/m3 |

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: | Complete | 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 fire.

Special Fire Fighting Procedures: Firefighters should wear full protective clothing/ equipment and self-contained breathing apparatus with full face piece

Toxic Gases Produced: N/A

SECTION V - HEALTH HAZARD DATA

Toxicity: Sodium hydroxide: TLV/TWA = 2 mg/m³

Effects of Overexposure: Contact with skin or eyes may cause severe burns or irritation. Ingestion may result in severe intestinal irritation and burns to mouth.

Emergency and First Aid Procedures:

NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

Ingestion: If swallowed, DO NOT INDUCE VOMITING. If conscious, follow with diluted vinegar, fruit juice or egg whites beaten with water. Call a physician.

Inhalation: Remove to fresh air. If breathing is difficult, call a physician.

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

Skin Contact: Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Call a physician.

SECTION VI - REACTIVITY DATA

Stability: Stable under normal conditions. Decomposition Products: N/A

Incompatibles: organic materials, acids, most common metals Conditions to Avoid: moisture, contact with acids and organic chemicals and metals

SECTION VII - SPILL AND DISPOSAL PROCEDURES

Steps to be taken in the event of a spill or leak: Wear self-contained breathing apparatus and full protective clothing. Ventilate area. Carefully neutralize spill with dilute HCl. Cautiously flush area with flooding amounts of water.

Disposal procedure: Dispose in accordance with all applicable federal, state, and local environmental regulations. Cautiously neutralize to acceptable pH, e.g. between 6 and 9, in a neutralization tank, then carefully pour down drain with copious amounts of water. Rinse containers with water and discard.

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SECTION VIII - SPECIAL PROTECTION INFORMATION

Ventilation: Use adequate general or local exhaust ventilation to meet TLV requirements.
Respiratory Protection: Required if airborne concentration exceeds TLV.
At concentrations to 60 ppm, a high-efficiency particulate respirator is recommended.
Eye/Skin Protection: Safety goggles and face shield, protective suit, and rubber gloves recommended.

SECTION IX - STORAGE AND HANDLING PRECAUTIONS

Special Precautions: Keep containers tightly closed. Store in corrosion-proof area 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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