

**MATERIAL SAFETY DATA SHEET**  
(MSDS Sheet is in compliance with 29CFR 1910. 1200)

**Manufacturer:**  
**IMEB INC.**  
170 Vallecitos De Oro, Suite A  
San Marcos, CA 92069  
Chemtrec: 800-424-9300

**Date Prepared:** 12/03/98  
**CAT #:** K7304-2

**Product Trade name:** Schiff's Reagent Solution  
**Product Description:** Periodic / Schiff's Stain Kit Component

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**Section I Hazardous Composition Information**

| Hazardous Components    | CAS No.   | OSHA PEL | ACGIH / TLV | TWA   |
|-------------------------|-----------|----------|-------------|-------|
| Basic Fuchsin certified | 569-61-9  | n/a      | n/a         | n/a   |
| Hydrochloric Acid       | 7647-01-0 | 5 ppm    | n/a         | 7mg/m |
| Sodium Metabisulfite    | 7681-57-4 | n/a      | n/a         | 5mg/m |

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**Section II Physical and Chemical Characteristics**

**Specific Gravity:** 1.1 (water = 1.0)@ 77 F  
**Solubility in Water :** Soluble  
**SP. Gravity of Vapor:** n/a  
**Evaporation Rate (n-Bu Acetate = 1):** n/a  
**Vapor Pressure:** n/a  
**Viscosity :** n/a  
**Boiling Point:** 189 F

**Color:** Colorless                      **Odor:** Strong Pungent Odor    **State:** Liquid

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**Section III Stability and Reactivity**

**Stability:** Stable  
**Conditions to Avoid :** n/a  
**Hazardous Polymerization:** Will not occur  
**Incompatible Materials:** Strong Alkalines, Metals, Chlorides  
**Hazardous Decomposition Products:** Products of biodegradation are Carbon Monoxide, Sulfur Dioxide

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**Section IV Fire and Explosion Data**

**Flashpoint:** Non-flammable  
**Flammable Limits:**                      **LEL:** n/a                      **UEL:** n/a  
**Autoignition Temperature:** n/a  
**Extinguishing Media:** Foam, Dry Chemical, Water Spray, CO2;  
**Special Fire Fighting Procedure:** n/a  
**Decomposition Products Under Fire Conditions:** May form toxic Sulfur Dioxide gases

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**Section V Health Hazard Data**

### Acute Health Effects:

**Eye Contact:** May cause eye irritation

**Skin Contact:** May cause skin irritation

**Inhalation:** Inhalation may cause lung and mucous membrane sensitization and coughing

**Ingestion:** Exposure by ingestion may be toxic

### Chronic Health Effects:

**Eye Contact:** Prolonged exposure will cause eye irritation and possibly chemical burns to eyes

**Skin Contact:** Prolonged exposure may cause skin irritation and mild burns

**Inhalation:** Prolonged inhalation may cause irritation to mucous membranes and unconsciousness

**Ingestion:** Repeated exposure by ingestion may cause general deterioration of health by accumulation in one or more human organs. Accumulated exposure may be fatal

**Medical Conditions Aggravated by Exposure:** This product contains Basic Fuchsin which has been classified by OSHA/NTP and the State of California as a Carcinogen. Repeated exposure may cause general deterioration of health by accumulation.

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## Section VI Emergency First Aid Procedures

**Eye Contact:** Flush eye with copious amounts of water or saline solution. Seek Medical Attention.

**Skin Contact:** Wash contact area with soap and water. If symptoms persist seek medical attention.

**Inhalation:** Remove employee to well ventilated area. If breathing has ceased, initialize mouth to mouth resuscitation by a trained personnel. Make sure to check airway for objects blocking breathing. Seek medical attention.

**Ingestion:** Do not induce vomiting. Drink several glasses of water or milk. Seek immediate medical attention.

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## Section VII Spill, Disposal and Storage Methods

**Accidental Spill:** Immediately inform employees. Wear gloves, goggles and approved respirator. Absorb spill with acid neutralizing absorbent. If not available, add baking soda to spill, followed with an absorbent material such as sand or paper towels. Clean spill with soap and water. Never use bleach or products containing chlorine or sodium hyposulfites.

**Waste Disposal:** All waste must be disposed in accordance to local, state, and federal regulations.

**Storage:** Store in original container or LDPP, HDPE or any plastic container. Corrosive to metals. Store in Refrigerator.

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## Section VIII Personal Protection and Handling

**Ventilation:** Work in well ventilated area.

**Respiratory Protection:** No special respiratory protection is recommended under anticipated normal use.

**Eye Protection:** Wear goggles or splash resistant eyewear.

**Protective Gloves:** Wear latex gloves or impermeable protective gloves.

**Other Protective Clothing or Equipment:** Wear a rubber or plastic lab apron.

**Hygienic Practices:** Wash hands before meals or breaks.

**Federal and State Regulations:** This product contains a chemical classified by OSHA/NTP as a 2 and 2B type Carcinogen.

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