

MATERIAL SAFETY DATA SHEET

(MSDS Sheet is in compliance with 29CFR 1910. 1200)

Manufacturer:
IMEB INC.
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CAT #: K7308-2

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

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

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

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

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

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.

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.

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.

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.

THIS INFORMATION RELATES TO THE SPECIFIC TRADE NAME PRODUCT DESIGNATED ON THIS MSDS SHEET. INFORMATION IS TO THE BEST OF OUR KNOWLEDGE AND BELIEF, ACCURATE AND RELIABLE AS OF THE DATE COMPILED. NO REPRESENTATION, WARRANTY OR GUARANTEE IS MADE AS TO ITS ACCURACY, RELIABILITY OR COMPLETENESS. WE DO NOT ACCEPT LIABILITY FOR ANY LOSS OR DAMAGE THAT MAY OCCUR FROM THE USE OF THIS INFORMATION.