

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

Manufacturer:

IMEB INC.
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Chemtrec: 800-424-9300

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Item #: MF505

Product Trade name: Millonig's Fixative

Product Description: Biological tissue fixative

Section I Hazardous Composition Information

Hazardous Components	CAS No.	OSHA PEL	ACGIH TLV
Formaldehyde	50-00-0	0.75ppm	2ppm

Section II Physical and Chemical Characteristics

Specific Gravity: 0.89 at 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 : 1.2 at 77 F

Boiling Point: n/a

Color: Colorless

Odor: Strong aromatic aldehyde odor

Section III Stability and Reactivity

Stability: Stable

Conditions to Avoid : Do not allow solution to dry.

Hazardous Polymerization: n/a

Incompatible Materials: Strong Acids, Alkalines, Chlorine by-products.

Hazardous Decomposition Products: Decomposition into formic acid.

Section IV Fire and Explosion Data

Flashpoint: Non-Flammable

Flammable Limits: LEL: n/a UEL: n/a

Auto ignition Temperature: 640 Deg F

Extinguishing Media: Foam, Dry Chemical, Water,

Special Fire Fighting Procedure: Fight fire from safe distance. Product is combustible.

Decomposition Products Under Fire Conditions: Produces acrid smoke and fumes.

Section V Health Hazard Data

Acute Health Effects:

Eye Contact: May cause blindness

Skin Contact: May cause skin irritation

Inhalation: May be cause coughing and irritation to sinus, trachea, and lungs.

Ingestion: May be fatal if ingested

Chronic Health Effects:

Eye Contact: Prolonged contact may cause blindness

Skin Contact: Prolonged contact may cause chemical burns to skin.

Inhalation: Formaldehyde is a known Carcinogen and may cause cancer by repeated inhalation.

Ingestion: May be fatal if ingested

Carcinogen: IARC: Yes NTP: Yes OSHA: Yes

Medical Conditions Aggravated by Exposure: This product contains formaldehyde which has been classified by OSHA/NIOSH and the State of California as a Carcinogen. Repeated exposure may cause Cancer, or 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 irritation persists, seek Medical attention.

Inhalation: Remove victim to well ventilated area.

Ingestion: Seek immediate medical attention.

Section VII Spill, Disposal and Storage Methods

Accidental Spill: Immediately inform surrounding employees. Wear gloves, goggles, and approved respirator. Dike area with sand or absorbent material. Absorb spill with absorbent and neutralize spill with Formalin and Acid Neutralizers. Discard waste. Clean spill area with soap and water.

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

Storage: Store in original or LDPP, HDPE or any plastic container except Polycarbonate. Do not store in metal containers. Product is light sensitive. Avoid prolonged contact with white light. Do not store in temperatures above 100 F for prolonged periods of time. Product is combustible. Do not store near fire, flame, or heating devices.

Section VIII Personal Protection and Handling

Ventilation: Use mechanical fume hood.

Respiratory Protection: Use NIOSH approved organic respirator.

Eye Protection: Wear goggles or splash shield.

Protective Gloves: Wear latex gloves or chemical resistant gloves.

Other Protective Clothing or Equipment: Wear lab apron.

Hygienic Practices: Wash hands before meals or breaks.

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