

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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CAT #: BF-100; BF-500; BF-555

Product Trade name: 10% Neutral Buffered Formalin

Product Description: Fixative

Section I Hazardous Composition Information

Hazardous Components	CAS No.	OSHA PEL	ACGIH / TLV	TWA
Formaldehyde 37%	50-00-0	0.75ppm	2ppm	n/a
Sodium Phosphate Monobasic	10049-21-5	n/a	n/a	n/a
Sodium Phosphate Dibasic	7558-79-4	n/a	n/a	n/a

Section II Physical and Chemical Characteristics

Specific Gravity: n/a

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: n/a

Color: Colorless

Odor: Pungent aromatic aldehyde odor

State: Liquid

Section III Stability and Reactivity

Stability: Stable.

Conditions to Avoid: Avoid direct contact with ignition sources

Hazardous Polymerization: n/a

Incompatible Materials: Acids, oxidizers, strong alkalies.

Hazardous Decomposition Products: Metal O, HCl, Cl, CO_x

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.

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

Decomposition Products Under Fire Conditions: n/a

Section V Health Hazard Data**Acute Health Effects:**

Eye Contact: Irritation, may result in cornea damage.

Skin Contact: May cause irritation. Corrosive to skin.

Inhalation: Irritation to nose, throat and respiratory system.

Ingestion: May be fatal if ingested.

Chronic Health Effects:

Eye Contact: Prolonged exposure will cause damage to cornea and result in blindness.

Skin Contact: Prolonged exposure will produce local skin destruction.

Inhalation: May cause irritation to nose, throat and respiratory system.

Ingestion: May be fatal if ingested.

Carcinogen: IARC: Yes

NTP: Yes

OSHA: Yes

Medical Conditions Aggravated by Exposure: This product contains: Formaldehyde, known to be a carcinogen by OSHA, NTO, and IARC and the State of California. Accumulation by absorption or inhalation may cause cancer and deterioration of health.

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. Seek Medical Attention if symptoms persist.

Inhalation: Remove victim to fresh air. If victim is not breathing, perform mouth to mouth resuscitation.

Ingestion: Do not induce vomiting. Drink several glasses of milk or water to dilute the product. Seek Immediate Medical Assistance.

Section VII Spill, Disposal and Storage Methods

Accidental Spill: Immediately inform employees. Wear gloves, goggles and approved respirator. Neutralize the Formaldehyde with neutralizers and absorb spill with absorbent material. Clean spill with soap and water. Never use bleach or products containing chlorine.

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.

Section VIII Personal Protection and Handling

Ventilation: No special ventilation protection is recommended under anticipated conditions of normal use.

Respiratory Protection: Wear approved OSHA respirators.

Eye Protection: Wear goggles or splash shield.

Protective Gloves: Wear latex gloves or impermeable protective gloves.

Other Protective Clothing or Equipment: Wear lab apron.

Hygienic Practices: Wash hands before meals or breaks.

State and Federal Regulations: This product contains a chemical known to the State of California to cause cancer and birth defects: Formaldehyde.

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