



MSDS

Neutral Buffered Formalin 10%

Section 1: Identification

Product Name: Neutral Buffered Formalin 10%
Product Catalog No: 400470, 400604 and 400605

Emergency Phone at Infotrac: (800) 535-5053
Date Prepared: 02/25/02

Section 2: Composition

Hazardous Component(s):	CAS Number	OSHA PEL, ACGIH TLV/STEL (PPM)		NFPA
Formaldehyde	10% 50-00-0	0.75	0.3/2	Health 3
Sodium Phosphate, Mono	<1% 7758-80-7	NA		Flammability 0
Sodium Phosphate, Dibasic	<1% 7558-79-4	NA		Reactivity 0

Section 3: Physical Data

<i>Boiling Point:</i>	~210°F	<i>Specific Gravity (H₂O = 1):</i>	~1
<i>Vapor Pressure mm Hg/20°C:</i>	NR	<i>Percent Volatile by Vol:</i>	Minimal
<i>Vapor Density (Air 1:1)</i>	~1	<i>Evaporation Rate (ether = 1):</i>	Minimal
<i>Solubility in H₂O:</i>	Complete	<i>Appearance & Odor:</i>	Clear liquid/bitter odor

Section 4: Fire and Explosion Hazard

Flash Point: NA *Flammable Limits:* LEL: NA UEL: NA

Extinguishing Media: Water spray, dry chemical, CO₂ and foam

Special Firefighting Procedures: Wear protective clothing with NIOSH approved breathing apparatus. Products of combustion may be harmful in a fire situation. Do not use direct water stream

Unusual Fire & Explosion Hazards: Under fire conditions, CO₂ and gaseous formaldehyde may be released.

Section 5: Reactivity

Stability: Stable *Material to Avoid:* Strong acids and strong oxidizing agents, etc.

Hazardous Decomposition or Byproducts: Oxides of carbon

Hazardous Polymerization: Does not occur *Conditions to Avoid:* Excessive heat

Section 6: Health Hazards

Routes of Entry: Inhalation, skin and ingestion

Acute: Vapors may cause eye, skin and respiratory irritation or burning and possible allergic reaction

Chronic: May cause burning to eyes, skin and intestinal tract, gastrointestinal disturbances, convulsions, circulatory and respiratory system problems and hypersensitivity towards dermatitis.

Carcinogenicity: Suspect human carcinogen.

Signs/Symptoms of Exposure: Immediate eye and respiratory irritation

For Technical Service Call 800-638-2625

I- 439354 C- 400470
I- 446677 C- 400604

I- 444409 C- 400605

MSDS

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Page 2 of 2

Section 6: Health Hazards cont'd

Emergency First Aid:

- Skin:** Remove contaminated clothing and wash affected area with soap and water.
- Eyes:** Thoroughly flush eyes with water. Contact a physician if irritation persists.
- Ingestion:** Induce vomiting immediately as directed by medical personnel and contact a physician.
- Inhalation:** Remove person to fresh air. If not breathing, give artificial respiration and contact a physician.

Section 7: Safe Handling

Chemical Release or Spill: Wear full respiratory protection and isolate the spill area with sand or other absorbent material. Place all contaminated material in closed container for proper disposal. Neutralize with chemical absorbent kit commercially available. Do not allow to drain into sewers or surface water.

Waste Disposal Method: All liquid and/or contaminated material should be disposed of in DOT approved waste containers. Comply with all Federal, State and Local regulations for disposal.

Precautions for Handling and Storage: Use normal laboratory precautions. Avoid excessive heat.

Section 8: Control Measures

Respiratory Protection: Not required if used ventilated area.

Ventilation: Local ventilated areas are the preferred working environment.

Protective Gloves: Chemical resistant. *Eye Protection:* Safety glasses.

Other Protective Clothing or Equipment: Normal laboratory apparel suggested by Good Laboratory Practices.

Work/Hygienic Practices: Wash thoroughly with soap and water after handling.

The information listed here is believed to be correct and does not purport to be all-inclusive and shall be used only as a guide. HealthLink shall not be held liable for any damage resulting from handling or contact with this product.

HealthLink
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For Technical Service Call 800-638-2625