

MATERIAL SAFETY DATA SHEET

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Section I: IDENTIFICATION

Date Prepared: 09/15/01 *Date Revised*:* 10/31/06

Product Name: **Formalin 10% Buffered**

Item Number: 400605, 400604, 400470

Emergency Phone, Infotrac: 800-535-5053

Section II: INGREDIENTS

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

Section III: 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 IV: FIRE/EXPLOSION HAZARD

Flash Point: NA *Flammable Limits:* LEL, NA UEL, NA
Extinguishing Media: Water Spray, Dry Chemical, CO₂ and foam
Special Fire Fighting 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 CO and gaseous formaldehyde may be released.

Section V: REACTIVITY

Stability: Stable *Material to Avoid:* Strong acids etc and strong oxidizing agents.
Hazardous Decomposition or Byproducts: Oxides of carbon, phosphates
Hazardous Polymerization: Does not occur *Conditions to Avoid:* Excessive heat

Section VI: HEALTH HAZARDS

Potential Cancer Hazard

Routes of Entry: Inhalation, Skin and Ingestion
Acute: Vapors may cause eyes, skin and respiratory irritation or burning and allergic reaction.
Chronic: May cause burning to eyes, skin and intestinal tract, gastrointestinal disturbances, convulsions, circulatory problems, respiratory system and hypersensitivity towards dermatitis.
Carcinogenicity: Suspect human carcinogen.
Signs/Symptoms of Exposure: Immediate eyes and respiratory irritation.

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Section VI: HEALTH HAZARDS

Emergency First Aid:

Skin: Remove contaminated clothing. 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 physician.

Section VII: 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 a closed container for disposal. Neutralize with chemical absorbent kit commercially available. Do not allow material to drain in 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 Storing: Use normal laboratory precautions. Avoid excessive heat.

Section VIII: CONTROL MEASURES

Respiratory Protection: Not required if used in a ventilated area.

Ventilation: Local ventilated areas (hood) 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 above information is believed to be correct but 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.

*Change due to customer request. No substantial changes since prepared date.

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