

MATERIAL SAFETY DATA SHEET

Section I: IDENTIFICATION

Date Prepared: 09/12/06
Product Name: **Fixative, Formaldehyde/Glutaraldehyde 3%** *Item Number:* 400637
Emergency Phone, Infotrac: 800-535-5053

Section II: INGREDIENTS

<i>Component(s):</i>	<i>CAS#</i>	<i>OHSA PEL, ACGIH TLV/STEL(PPM)</i>		<i>NFPA</i>	
Formaldehyde 3%	50-00-0	0.75	0.3/2	<i>Health</i>	3
Glutaraldehyde 3%	111-30-8	0.2	NA	<i>Flammability</i>	0
				<i>Reactivity</i>	0

Section III: PHYSICAL DATA

Boiling Point: ~ 210°F *Specific Gravity (H₂O = 1):* ~1
Vapor Pressure mm Hg/20°C: NR *Percent Volatile by Vol:* Minimal
Vapor Density (Air 1:1): ~1 *Evaporation Rate (ether = 1):* Minimal
Solubility in H₂O: Complete *Appearance & Odor:* Slight tint of yellow/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, oxidizing agents and solvents.
Hazardous Decomposition or Byproducts: Oxides of carbon,
Hazardous Polymerization: Does not occur *Conditions to Avoid:* Excessive heat

Section VI: HEALTH HAZARDS

Potential Cancer Hazard/Poisonous

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.

MATERIAL SAFETY DATA SHEET

Fixative, Formaldehyde/Glutaraldehyde 2 of 2

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. Store in cool, dark location.

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.
