

# MSDS

## Cytology Fixative

**Section 1: Identification**

*Product Name:* Cytology Fixative  
*Product Catalog No:* 400631, 400632

*Emergency Phone at Infotrac:* (800) 535-5053  
*Date Prepared:* 01/30/02

**Section 2: Composition**

| Hazardous Component(s): | CAS Number | OSHA PEL, ACGIH TLV/STEL (PPM) |          | NFPA           |
|-------------------------|------------|--------------------------------|----------|----------------|
| Acetone 20%             | 67-64-1    | 750                            | 750/1000 | Health 1       |
| Isopropyl 73%           | 67-63-0    | 980                            | 980/1230 | Flammability 3 |
| PEG 3%                  | 23522-68-3 | NA                             |          | Reactivity 0   |

**Section 3: Physical Data**

|                                      |          |   |                            |
|--------------------------------------|----------|---|----------------------------|
| <i>Boiling Point:</i>                | 57 °F    | <i>Specific Gravity (H<sub>2</sub>O = 1):</i> | ~0.9                       |
| <i>Vapor Pressure mm Hg/20°C:</i>    | 40       | <i>Percent Volatile by Vol:</i>               | 96%                        |
| <i>Vapor Density (Air 1:1)</i>       | 1.6      | <i>Evaporation Rate (ether = 1):</i>          | ~1                         |
| <i>Solubility in H<sub>2</sub>O:</i> | Complete | <i>Appearance &amp; Odor:</i>                 | Clear liquid, pungent odor |

**Section 4: Fire and Explosion Hazard**

*Flash Point:* 0°F TCC      *Flammable Limits:*      LEL: NR      UEL: NR

*Extinguishing Media:* Water spray, dry chemical, CO<sub>2</sub> and foam for alcohol

*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:* Eliminate sources of ignition. Burns with invisible flame.

**Section 5: Reactivity**

*Stability:* Stable      *Material to Avoid:* Strong oxidizers, chromic anhydride, perchloric acids etc.

*Hazardous Decomposition or Byproducts:* Oxides of carbon and nitrogen

*Hazardous Polymerization:* Does not occur      *Conditions to Avoid:* Excessive heat, sparks or flames.

**Section 6: Health Hazards**

*Routes of Entry:* Inhalation, skin and ingestion      *Target Organs:* Kidneys, nervous system, liver and eyes

*Acute:* Vapors may cause eyes, skin and respiratory irritation, drowsiness, nausea, headache, and vomiting.

*Chronic:* May cause liver, heart, kidney damage, gastrointestinal disturbances and convulsions.

*Carcinogenicity:* Not classified as a human carcinogen

*Signs/Symptoms of Exposure:* Vision blurring, drowsiness and headache.

**For Technical Service Call 800-638-2625**

I-444960 C-400631 ORM-D  
 I-447636 C-400632 ORM-D

# MSDS

## Cytology Fixative

HC#60  
Page 2 of 2

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### 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:** Rinse mouth thoroughly with water, provided person is conscious. Contact a physician.

**Inhalation:** Remove person to fresh air. If not breathing, give artificial respiration and contact a physician.

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### Section 7: Safe Handling

*Chemical Release or Spill:* Eliminate source of ignition in the vicinity of the spill or released vapor. Isolate the spill area with sand, or other absorbent material. Place all contaminated material in closed container for disposal.

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

*Precautions for Handling and Storage:* Use precautions for flammable liquids. Avoid excessive heat and sources of ignitions. For large quantities, store in flammable safety cabinet. Use in well-ventilated area.

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### Section 8: Control Measures

*Respiratory Protection:* Not normally required. If used in a poorly ventilated area use under an approved fume hood or NIOSH approved respirator.

*Ventilation:* Special flammable exhaust hood if vapor concentration is high. In well-ventilated areas, mechanical exhaust is sufficient.

*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.

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**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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