

**Material Safety Data Sheet**  
Cancer Diagnostics Tissue Dye

**Section I- Identification**

Emergency Phone Number.....1-877-846-5393  
Name .....Cancer Diagnostics, Inc.  
P.O. Box 1205  
Birmingham, MI 48012-1205  
Effective Date.....2/99  
Revised Date.....10/02  
Product Identifier.....KT4, KT5, KT6, KT7, KT8, KT9  
Trade Name..... **C.D.I.'s Tissue Dye**  
Chemical Family.....Ink

**Section II- Hazardous Ingredients**

Hazardous Ingredients	Percent	TLV (Units)	CAS Number
Isopropyl Alcohol**	3-3.5%	400 ppm	cas #67-63-0
Ammonia**	0.8-1.6%	35 ppm	cas #7664-41-7

Special....\*This chemical is subject to S.A.R.A. Title III section 313 part 372 reporting.

**Section III- Physical Data**

Boiling Point.....over 200°F  
Freezing Point.....n/a  
Volatility/Vol(%).....60-70%  
Melting Point.....n/a  
Vapour Pressure.....unknown  
Vapour Density (air=1).....unknown  
Solubility in H2O.....dispersible  
Odor and Appearance.....colored liquid with ammoniacal odor  
Specific Gravity.....1.02-1.14  
Evaporation Rate.....n/a  
PH.....8.5-10

**Section IV- Fire and Explosion Hazard Data**

Flashpoint and Method of Determination. Over 200°F  
Lower Explosion Limit (% by Volume)...N.A.  
Upper Explosion Limit (% by Volume).... N.A.  
Means of Extinction.....carbon dioxide, dry chemical, foam  
For Fire.....Use of self contained breathing apparatus and  
Full protective equipment is recommended.  
Explosion Data..... None known

**Section V- Health Hazard Data**

Routes of Entry  
Skin Contact      Skin Absorption      Eye      Inhalation      Ingestion  
Yes                  no                  yes      yes                  yes  
Acute and Chronic over exposure effects. Breathing of vapors may cause nasal and  
Respiratory irritation, nausea, headaches,  
Dizziness, pulmonary edema and pneumonitis.  
May cause damage to central nervous system.  
Prolonged use may cause skin irritation or  
Defatting. Exposure to eyes may cause  
redness or irritation.

Carcinogenicity, Reproductive effects.....Does not meet current definition of carcinogen

in 26 CFR 1910.1200.

Symptoms.....see over-exposure above

Sensitization to Material Specific First

Aid Procedures.....Eyes: Flush thoroughly with copious amounts of  
water for at least 15 minutes. If irritation  
Persists consult a physician.  
Inhalation: Remove to clean, fresh air and treat  
Symptomatically.  
Ingestion: Induce vomiting and call a physician  
Immediately  
Skin: Wash affected area with soap and water.  
Launder clothes before wearing again.

#### Section VI- Reactivity Data

Chemical Stability.....Stable

Conditions of Reactivity.....temperature extremes

Incompatible Materials.....none known

Hazardous Decomposition Products...Thermal decomposition may produce carbon  
Monoxide and/or carbon dioxide, traces of  
monomer.

Hazardous Polymerization.....will not occur

Polymerization Avoid.....n/a

#### Section VII- Spill or Leak Procedure

Leak and Spill Procedures.....Flush with water into a suitable retaining area.  
Small spills may be absorbed with an  
Appropriate absorbent.

Waste Disposal.....Dispose of in accordance with all federal, state,  
And local regulations

#### Section VIII-Special Protection

Respiratory Protection.....If use conditions generate vapor in area where  
Adequate ventilation is not available, NIOSH-  
Approved vapor respirator should be worn.

Ventilation.....Good general ventilation required to keep  
Vapors below recommended levels.

Protective Gloves.....chemical resistant

Eye Protection.....protective goggles

Other Protective Equipment.....eye wash stations in area of use are  
Recommended.

#### Section IX-Special Precautions

Hazard Class.....	none, non-hazardous	1HMIS Health
DOT Shipping name.....	none	1 HMIS Flammability
UN Number.....	none	0 HMIS Reactivity
NA#.....	none	B HMIS Personal Protection

Other.....all raw materials contained in this product  
Have been reported on the EPA-TSCA  
Inventory.

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