MATERIAL SAFETY DATA SHEET

Wessels & Associates, LLC 413 Kinross Ave Clawson, MI 48017 1-888-901-7747

I. Product Identification

Product Name: Loma Linda University
Product Type: Embalming Fluid
Manufacturer's Name, Emergency Phone, Address.
Wessels & Associates, LLC
INFOTRACT 1-800-535-5053
413 Kinross Ave, Clawson, MI 48017

II. Hazardous Ingredients

Ingredient	Cas.#	Percent	TLV (OSHA)	Nature of Hazard
Phenol	108-95-2	16.00	5 ppm PEL; TWA	Poison
Formaldehyde	50-00-0	16.00	.75 ppm; 8hr TWA STEL 2 ppm	Irritant (see section IX)
Isopropyl Alcohol	67-63-0	23.00	400 ppm PEL; 400PPM (ACGIH TWA)	Flammable, Irritant
Ethanol	64-17-5	23.00	1000 ppm	Flammable, Nerve Depressant
Methanol	67-56-1	.20	200 ppm 8hr TWA STEL 250 ppm	Poison, Flammable
Propylene Glycol	57-55-6	16.00	No Established Standards	Mild Irritant to eyes
EDTA	64-02-8	1.6	Not Determined	Irritant

III. Physical Data

Boiling Point (F)	180-190 F.	**Specific Gravity**	Greater than 1
Vapor Density (AIR =)	Greater	**Percent Volatile by volume (%)**	95%
Soluble in water	Complete	**pH**	6.8 to 7.2
Odor	Pungent	**Appearance**	Clear Liquid

IV. Fire and Explosive Hazard Data

Flash Point Greater than 73° F: Less than 140° F
Extinguishing Media Foam, CO_2, Water Spray, Dry Chemical
Special Fire Fighting Procedures Cool container with water spray. Avoid contact with smoke or fumes. Wear air mask with air supply.

Unusual Fire or Explosion Hazards None

V. Health Hazard Data

Effects of Overexposure

Eyes: Can cause severe irritation or burns.
Skin: May cause allergic skin reaction; may be absorbed through skin;
Inhalation: Harmful. Vapors intensely irritating to mucous membranes.
If swallowed: May be fatal or cause blindness.

Emergency and First Aid Procedures

Eyes: Immediately flush eyes with plenty of water; remove contact lenses and continue flushing for at least 15 minutes, holding eyelids apart. Call a physician.
Skin: Remove and wash contaminated clothing before reuse. If irritation or rash develops, get medical attention.
Inhalation: Move person to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration.
If swallowed: Drink two glasses of water and induce vomiting by touching finger to back of throat. Call a physician. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

VI. Reactivity Data

Stability	Stable
Hazardous Polymerization	Will not occur
Conditions to Avoid	Heat, sparks, flame.
Incompatibility (materials to avoid)	Avoid mixing strong acid or alkali; violent reactions can occur.
Hazardous Decomposition Products	Thermal decomposition may produce carbon monoxide or carbon dioxide.

VII. Precautions for Safe Handling and Use

Steps to be taken in case material is released or spilled	**Equipment:** Treat all formaldehyde spills with caution. Wear protective gloves, splash goggles, apron and breathing apparatus. **Spills:** Absorb liquid and transfer to container. Neutralize spilled material with dilute solutions (5%) ammonia, sodium sulfite or MEA.
Waste Disposal Method	**Comply** with Federal, State and Local regulations for disposal of chemical waste - Ethanol UN-1170, Formalin UN-2209.
Storage	**Store:** Do not store drums below 35 degrees F.

VIII. Control Measures

Ventilation	Must be adequate to keep formaldehyde vapor below indicated exposure limits.
Skin and Eyes	Wear protective gloves, splash goggles, and apron.
Other Protective Equipment	Have available breathing apparatus in case of spill.

IX. Special Precautions

Precautions to be taken in handling and storing	Store above 35 degrees F. Low temperatures can cause a non-hazardous polymerization or precipitation.
Note:	In a two year study at the Chemical Industry Institute of Toxicology, nasal tumors were detected in rats exposed (via inhalation) to formaldehyde at 6 ppm and mice exposed at 15 ppm. The information in this MSDS has been compiled from information provided by supplier data sheets, from other technical sources and from our testing and experience. Users are responsible for determining the suitability of the information to their circumstances.