

# MATERIAL SAFETY DATA SHEET

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## Section 1. PRODUCT IDENTIFICATION

### **PRODUCT NAME: LUTAVIT ELB E 400**

COMMON CHEMICAL NAME - VITAMIN E FEED MIX

SYNONYMS: EMULSIFIABLE LIQUID E BLEND

MOLECULAR FORMULA: MIXTURE

CHEMICAL FAMILY - VITAMIN

DOT CLASS - Not Regulated by DOT

MOLECULAR WT.: NOT APPLICABLE

## Section 11. COMPOSITION

Chemical Name:	CAS	Amount
VITAMIN E ACETATE	7695-91-2	40.0 - 50.0 %
PEL/TLV NOT ESTABLISHED		
POLYETHYLENE GLYCOL 400 MONOOLEATE	9004-96-0	30.0 - 40.0 %
PEL/TLV NOT ESTABLISHED		
POLYSORBATE 80	9005-65-6	10.0 - 20.0 %
PEL/TLV NOT ESTABLISHED		
N-PROPANOL	V1-23-8	0.0 - 10.0 %
ACGIH TLV	SKIN	
	STEL 250	PPM
	TWA 200	PPM
OSHA PEL	TWA 200	PPM

## Section 111. PHYSICAL DATA

COLOR:	YELLOW
FORM/APPEARANCE:	VISCOUS LIQUID
ODOR:	CHARACTERISTIC
ODOR INTENSITY:	MODERATE
	TYPICAL      LOW/HIGH      U.O.M.
SPECIFIC GRAVITY:	NOT AVAILABLE
BULK DENSITY:	0.1              G/CC
pH:	7                  SU
BOILING POINT:	NOT AVAILABLE
FREEZING POINT:	NOT AVAILABLE
DECOMP. TMP:	NOT AVAILABLE
SOLUBILITY IN WATER:	DISPERSIBLE

## Section IV. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT -	TYPICAL	LOW/HIGH	DEG.	METHOD
EXTINGUISHING METHOD:		104 -109		F SETA CLOSED CUP
FIRE FIGHTING PROCEDURES:	Firefighters should be equipped with self-contained breathing apparatus and turn out gear.			
UNUSUAL HAZARDS:	Not Applicable.			
ADDITIONAL FIRE AND EXPLOSION DATA:	This material is flammable. Store and use away from sources of ignition.			

## **Section V. HEALTH HAZARD DATA**

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

**ACUTE OVEREXPOSURE EFFECTS:** Contact with the eyes and skin may result in irritation. Symptoms of acute overexposure to propanol by all routes include irritation of the mucous membranes, failure of muscular coordination, lethargy, narcosis, and possibly death. Laboratory animals exposed to high vapor concentrations of anionic surfactants such as Polysorbate 80, experienced difficulty breathing. Ingestion of anionic surfactants may result in nausea, vomiting, and diarrhea.

**CHRONIC OVEREXPOSURE EFFECTS:** Male and pregnant females rats were exposed to propanol 7 hours/day for 6 weeks or through gestation to 7000, 35000 or 0 ppm. Pregnant females exposed to 7000 ppm of propanol showed decreased weight gain and slight teratogenicity was observed at this concentration. Animal studies indicate that chronic overexposure may result in liver damage. In lifetime feeding studies, propanol was reported to be carcinogenic to rats when given by the oral and subcutaneous routes. Ingestion of large amounts of vitamin E over long periods of time may cause gastrointestinal distress, muscle weakness, and fatigue.

**FIRST AID PROCEDURES- SKIN:** Wash affected areas with soap and water. Remove and launder contaminated clothing before reuse. If irritation develops, get medical attention.

**FIRST AID PROCEDURES- EYES:** Immediately rinse eyes with running water for 15 minutes. If irritation develops, get medical attention.

**FIRST AID PROCEDURES- INGESTION:** If swallowed, dilute with water and immediately induce vomiting. Never give fluids or induce vomiting if the victim is unconscious or having convulsions. Get immediate medical attention.

**FIRST AID PROCEDURES- NOTES TO PHYSICIAN:** None Known.

**FIRST AID PROCEDURES- AGGRAVATED MEDICAL CONDITIONS:** No data is available which addresses medical conditions that are generally recognized as being aggravated by exposure to this product. Please refer to the effects of overexposure section for effects observed in animals.

**FIRST AID PROCEDURES- SPECIAL PRECAUTIONS:** Not applicable.

## **Section VI. REACTIVITY DATA**

**STABILITY DATA:** Stable under all normal conditions

**INCOMPATIBILITY:** None Known

**CONDITIONS/HAZARDS TO AVOID:** Heat, Sparks, and Flames.

**HAZARDOUS DECOMPOSITION/POLYMERIZATION:**

Hazardous decomposition products: None Known

Polymerization: Does not occur.

**CORROSIVE PROPERTIES:** Not corrosive

**OXIDIZER PROPERTIES:** Not an oxidizer

## **SECTION VII. SPECIAL PROTECTION INFORMATION**

**CLOTHING:** Gloves, coveralls, apron, boots as necessary to minimize contact.

**EYES:** Chemical goggles, also wear a face shield if splashing hazard exists.

**RESPIRATION:** Approved organic vapor mist respirator as necessary.

**VENTILATION:** Use local exhaust to control vapors/mists.

**EXPLOSION PROOFING:** None Required.

**SECTION VIII. SPILL, LEAK, AND DISPOSAL INFORMATION**

**GENERAL:** Spills should be contained, solidified and placed in suitable containers for disposal in a RCRA licensed facility. This material is RCRA hazardous due to its properties.

**WASTE DISPOSAL:** Incinerate or bury in a RCRA licensed facility. Do not discharge into waterways or sewer systems without proper authority.

**CONTAINER DISPOSAL:** Empty containers with less than 1 inch of residue may be landfilled at a licensed facility. Recommend crushing or other means to prevent unauthorized reuse. Other containers must be disposed of in a RCRA licensed facility.

**SECTION IX. SPECIAL PRECAUTIONS**

**GENERAL:** Store at moderate temperatures in tight containers. Keep away from heat, sparks, and open flames.

**SECTION X. REGULATORY INFORMATION**

**TSCA INVENTORY STATUS:** Listed on Inventory, Yes

**RCRA Haz. Waste No:** D001 This product is hazardous or contains components which are hazardous according to the OSHA Hazard Communication Standard.

**SECTION XI. TRANSPORTATION INFORMATION**

**DOT Proper Shipping Name:** See Below  
**DOT Technical Name:** See Below  
**DOT Primary Hazard Class:** See Below  
**DOT Secondary Hazard Class:** See Below  
**DOT Label Required:** See Below  
**DOT Placard Required:** See Below  
**DOT Poison Constituents:** See Below

**BILL OF LADING DESCRIPTION:**

119 Gallons Not Regulated By The Department Of Transportation  
119 Gallons Combustible Liquid, N.O.S., (N-PROPANOL), NA1993, PGIII

	<b>CLASS:</b>	<b>P.G.</b>	<b>SHIPPING NAME:</b>
IATA	3.3	III	FLAMMABLE LIQUIDS, N.O.S. (N-PROPANOL), UN1993
IMO	3	III	FLAMMABLE LIQUIDS, N.O.S. (N-PROPANOL), UN1993
TDG	3	III	FLAMMABLE LIQUIDS, N.O.S. (N-PROPANOL), UN1993

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