

# MATERIAL SAFETY DATA SHEET

E-Tan 1

PARADIGM LABS INC  
PINE GROVE INDUSTRIAL PARK  
P.O. BOX 138  
PINE GROVE PA 17963

DATE: 04-02-01  
REV DATE: 4-3-03  
PHONE: (205) 251-8585

CHEMTREC EMERGENCY TELEPHONE NUMBER : (800) 424-9300  
AVAILABLE DAYS, NIGHTS, WEEKENDS AND HOLIDAYS

## SECTION 1 IDENTIFICATION

**Product Name:** E-Tan  
**Chemical Name:**  
**CAS Name:** Mixture  
**Synonym:**  
**Chemical Family:** Proprietary Blend

## SECTION 2 CHEMICAL AND PHYSICAL DATA

Boiling Point: 180<sup>0</sup> F  
Vapor Pressure: N/A  
Vapor Density: N/A  
Water Solubility: Soluble  
Melting/Freezing Point: <32°F  
Physical State: Clear liquid  
Specific Gravity (Water=1): .98  
Percentage Volatiles: N/A  
Evaporation Rate: N/D  
pH of Solution: 2.50  
Odor: **alcohol odor**

## SECTION 3 INGREDIENTS

CHEMICAL NAME	CAS#	AMOUNT
Ethanol	64-17-5	18 - 25%
Methanol	67-56-1	<1%

Balance is a blend of non-hazardous products.

# MATERIAL SAFETY DATA SHEET

E-Tan 2

## SECTION 4 FIRE AND EXPLOSION HAZARD DATA

Flash Point: 56<sup>0</sup> F 13<sup>0</sup> C

Autoignition Temperature:

Flammable Limits:

Fire Fighting Media: Water Spray, Dry Chemical, "Alcohol" Foam, CO<sub>2</sub>

Special Fire Fighting Procedures: Wear self-contained breathing apparatus.

Wear protective clothing.

Fire/Explosion Hazards: Flammable liquid and vapor. Vapors are heavier than air.

NFPA Hazard Codes:

HMIS Hazard Codes: Health/Flammability/Reactivity/Special

1 3 0 C

## SECTION 5 HEALTH HAZARD DATA

### EMERGENCY OVERVIEW

Toxicity: Mildly toxic if ingested.

Skin Irritation:

Eye Irritation: Will cause burning

Sensitizer:

DOT Corrosive: No

#### **First Aid Procedures:**

**EYE:** Immediately flush with plenty of water and get medical attention if symptoms are present after washing.

**SKIN:** Wash with plenty of water for 15 minutes - seek medical attention.

**INHALATION:** Remove to fresh air. Provide oxygen if required.

**INGESTION:** If conscious, give two glasses of water and induce vomiting. Consult a physician.

# MATERIAL SAFETY DATA SHEET

E-Tan 3

## SECTION 6 REACTIVITY DATA

Stability: Stable

Hazardous Polymerization: Will not occur

Conditions to Avoid: Extreme heat

Incompatible Materials: Oxidizing Materials

Hazardous Decomposition Products: Carbon Dioxide and Carbon Monoxide

Corrosiveness: N/A

Oxidizing Properties: N/A

## SECTION 7 SPILL OR LEAK PROCEDURES

Spill/Leak Clean-up Procedures: Eliminate all ignition sources. Use water spray to disperse vapors and to dilute to a non-flammable mixture. Prevent runoff from entering drains, sewers, and streams.

**Dispose of in accordance with Federal, State, and Local Regulations.**

## SECTION 8 SPECIAL PROTECTION INFORMATION

Clothing/ Skin Protection: Chemical Resistant Gloves - Splash-Proof Goggles.

Ventilation: Local exhaust recommended - 10 air changes per hour

Respiratory Protection: NIOSH approved respirator with organic cartridge.

Personal Hygiene: Wash hands after use.

Protective Measures During Repair/Maintenance of Equipment:

# MATERIAL SAFETY DATA SHEET

E-Tan 4

## SECTION 9

## SPECIAL PRECAUTIONS

General: Store in cool dry place. Keep away from sparks and flames.

## SECTION 10

## REGULATORY INFORMATION

### **Domestic Data:**

DOT Shipping Name: Ethanol Solutions

DOT Hazard Class: Combustible Liquid, PGIII

Hazardous Ingredient: Ethanol

UN Number: UN1170

### **TSCA:**

All components of this product are listed or are exempt from listing on the TSCA inventory.

### **SARA-CERCLA:**

Reportable quantities (RQ) exist for the following ingredient:

<u>Chemical</u>	<u>CERCLA (RQ)</u>
-----------------	--------------------

None	
------	--

### **SARA-Section 313**

**Emissions Reporting:** This material contains the following chemicals with known CAS numbers subject to the reporting requirements of SARA Title III, Section 313 and 40CFR372:

<u>Chemical</u>	<u>Amount</u>
Methanol	<1%

### **SARA-Section 311/312:**

Based upon available information, this material and/or components are classified as the following health and/or physical hazards according to Section 311 & 312:

- Immediate (acute) health hazard
- Delayed (chronic) health hazard
- Fire hazard

The Data herein is believed to be accurate. It is intended to be used by qualified personnel at their own risk. No guarantee or warranty is expressed or implied., nor does Paradigm Labs assume any responsibility from the use of the information, product, or data described herein. No patent warranty is made or implied or intended. Paradigm Labs expressly disclaims all liability for reliance on information published herein. Data is offered solely for investigation, consideration and verification by the user. It is the obligation of the user to determine safe use, conditions of use, and regulatory requisites.