MATERIAL SAFETY DATA SHEET

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: 180º F
Vapor Pressure: N/A
Vapor Density: N/A
Water Solubility: Soluble
Melting/Freezing Point: <32ºF
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

<table>
<thead>
<tr>
<th>CHEMICAL NAME</th>
<th>CAS#</th>
<th>AMOUNT</th>
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<tbody>
<tr>
<td>Ethanol</td>
<td>64-17-5</td>
<td>18 - 25%</td>
</tr>
<tr>
<td>Methanol</td>
<td>67-56-1</td>
<td>&lt;1%</td>
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Balance is a blend of non-hazardous products.
SECTION 4  FIRE AND EXPLOSION HAZARD DATA

Flash Point:  $56^\circ F \ 13^\circ C$
Autoignition Temperature:
Flammable Limits:
Fire Fighting Media: Water Spray, Dry Chemical, “Alcohol” Foam, CO$_2$
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.
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:
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:

Chemical: Ethanol
CERCLA (RQ): 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:

Chemical: Methanol
Amount: <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

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