1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: FREE
Recommended Use: Solvent mixture

Product Code: T240
Chemical Nature: Solvent blend

Information on Manufacturer:
CERTIFIED LAB PRODUCTS
239 ORENSA ROAD
BRAMPTON ONT L6T 1E6

Emergency Telephone Number:
CHEMTREC ® 800-424-9300

2. HAZARDS IDENTIFICATION

Emergency Overview
Warning
Flammable liquid and vapor
May be harmful if inhaled
Causes skin irritation
Severe eye irritation
Harmful or fatal if swallowed

Color: Colorless
Physical State: Liquid
Odor: Solvent

Potential Health Effects
Skin contact, Eye contact.
Inhalation, Ingestion, Skin Absorption.

Acute Effects
Eyes
Severe eye irritant.

Skin
Irritating to skin. May be absorbed through the skin in harmful amounts. Repeated exposure may cause skin dryness or cracking.

Inhalation
May cause irritation of respiratory tract. Inhalation may cause central nervous system effects. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Ingestion
Ingestion may cause irritation to mucous membranes. Aspiration hazard if swallowed - can enter lungs and cause damage.

Chronic Effects
Repeated and prolonged exposure to solvents may cause brain and nervous system damage. Liver and kidney injuries may occur. Blood disorder may occur after prolonged inhalation.

Target Organ Effects
Central nervous system, Heart, Liver, Lungs, Kidney, Bone Marrow, Cardiovascular system, Blood.

Aggravated Medical Conditions

Potential Environmental Effects
See Section 12 for additional Ecological information.

3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylacetate</td>
<td>141-78-6</td>
</tr>
<tr>
<td>Petroleum distillates, hydrotreated light</td>
<td>64742-47-8</td>
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<tr>
<td>Petroleum distillates, hydrotreated heavy naphthenic (&lt;3% DMSO extractable)</td>
<td>64742-52-5</td>
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<tr>
<td>Petroleum distillates, hydrotreated light naphthenic (&lt;3% DMSO extractable)</td>
<td>64742-53-6</td>
</tr>
<tr>
<td>Sodium sulfonate</td>
<td>68808-26-4</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

Eye Contact
Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes . Get medical attention immediately.

Skin Contact
Wash off immediately with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention if irritation develops and persists. Wash contaminated clothing before re-use.

Inhalation
Move to fresh air. In case of shortness of breath, give oxygen. If not breathing, give artificial respiration. If symptoms persist, call a physician.

Ingestion
Drink 1 or 2 glasses of water. Do not induce vomiting. Get medical attention immediately. Never give anything by mouth to an unconscious person.

Notes to Physician
Aspiration hazard if swallowed - can enter lungs and cause damage.

5. FIRE-FIGHTING MEASURES

Flash Point: 80°F / 27°C
Method: Seta closed cup
Autoignition Temperature: No information available

Flammability Limits in Air % Solvent mixture
Upper: 11.5
Lower: 0.5

Suitable Extinguishing Media
Foam. Carbon dioxide (CO2). Dry chemical. Water spray.

Specific Hazards Arising from the Chemical
Material can create slippery conditions.

Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA Health: 2 Flammability: 3 Instability: 0
HMIS Health: 2 Flammability: 3 Instability: 0
6. ACCIDENTAL RELEASE MEASURES

Personal Precautions
Use personal protective equipment. Remove all sources of ignition. Ensure adequate ventilation. Prevent further leakage or spillage if safe to do so.

Environmental Precautions
Do not flush into surface water or sanitary sewer system.

Methods for Containment
Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

Methods for Cleaning Up
Pick up and transfer to properly labelled containers.

Neutralizing Agent
Not applicable

7. HANDLING AND STORAGE

Handling
Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists.

Storage
Keep container tightly closed. Keep out of the reach of children. Keep containers tightly closed in a cool, well-ventilated place.

Storage Temperature
Minimum 40°F / 4°C
Maximum 120°F / 49°C

Storage Conditions
Indoor X
Outdoor X
Heated
Refrigerated

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

<table>
<thead>
<tr>
<th>Component</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylacetate</td>
<td>TWA: 400 ppm</td>
<td>TWA: 1400 mg/m³</td>
<td>TWA: 400 ppm</td>
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<tr>
<td>Petroleum distillates, hydrotreated light</td>
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<td>no data available</td>
<td>no data available</td>
</tr>
<tr>
<td>Petroleum distillates, hydrotreated heavy naphthenic (&lt;3% DMSO extractable)</td>
<td>No data available</td>
<td>no data available</td>
<td>no data available</td>
</tr>
<tr>
<td>Petroleum distillates, hydrotreated light naphthenic (&lt;3% DMSO extractable)</td>
<td>No data available</td>
<td>no data available</td>
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</tr>
<tr>
<td>Sodium sulfonate</td>
<td>No data available</td>
<td>no data available</td>
<td>no data available</td>
</tr>
</tbody>
</table>

Engineering Measures
Use with local exhaust ventilation.

Personal Protective Equipment

Eye/Face Protection
Goggles.

Skin Protection
Neoprene gloves.

Respiratory Protection
Use NIOSH approved respiratory protection.

General Hygiene Considerations
Ensure that eyewash stations and safety showers are close to the workstation location. Wear protective gloves/clothing. When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State
Liquid

Viscosity
Non viscous

Color
Colorless

Odor
Solvent

Appearance
Transparent

pH
Not applicable

Specific Gravity
0.84

Bulk Density
No data available

Evaporation Rate
0.44 (Butyl acetate=1)

Percent Volatile (Volume)
71.2

VOC Content (%) 35.4

VOC Photoreactive (Y/N)
Yes

VOC Max Use Dilution (g/l) 294.9

VOC Max Use Dilution (wt%) 35.4

VOC Content (g/l) 294.9

Vapor Pressure
10.4 mmHg @ 70 °F

Vapor Density
3.7

Solubility
Negligible

Boiling Point/Range
203°F / 99°C

10. STABILITY AND REACTIVITY

Chemical Stability
Stable under normal conditions

Conditions to Avoid
Heat, flames, and sparks

Incompatible Products

Hazardous Decomposition Products

Possibility of Hazardous Reactions
None under normal processing

11. TOXICOLOGICAL INFORMATION

Product Information
No information available

Component Information

Acute toxicity

<table>
<thead>
<tr>
<th>Component</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LC50 Inhalation</th>
<th>Draize Test</th>
<th>Other</th>
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<tbody>
<tr>
<td>Ethylacetate</td>
<td>5620 mg/kg ( Rat )</td>
<td>18000 mg/kg ( Rabbit )</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
</tr>
<tr>
<td>Petroleum distillates, hydrotreated light</td>
<td>5000 mg/kg ( Rat )</td>
<td>2000 mg/kg ( Rabbit )</td>
<td>5.5 mg/L ( Rat ) 4 h</td>
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<td>no data available</td>
</tr>
<tr>
<td>Petroleum distillates, hydrotreated heavy naphthenic (&lt;3% DMSO extractable)</td>
<td>5000 mg/kg ( Rat )</td>
<td>2000 mg/kg ( Rabbit )</td>
<td>2.18 mg/L ( Rat ) 4 h</td>
<td>no data available</td>
<td>no data available</td>
</tr>
<tr>
<td>Petroleum distillates, hydrotreated light naphthenic (&lt;3% DMSO extractable)</td>
<td>5000 mg/kg ( Rat )</td>
<td>2000 mg/kg ( Rabbit )</td>
<td>2.18 mg/L ( Rat ) 4 h</td>
<td>no data available</td>
<td>no data available</td>
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</table>
**Chronic Toxicity**

<table>
<thead>
<tr>
<th>Component</th>
<th>Mutagenicity</th>
<th>Sensitization</th>
<th>Developmental Toxicity</th>
<th>Reproductive Toxicity</th>
<th>Target Organ Effects</th>
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<tbody>
<tr>
<td>Ethylacetate</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
<td>eyes, skin, respiratory system, blood</td>
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<td>no data available</td>
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<td>Petroleum distillates, hydrotreated light naphthenic (&lt;3% DMSO extractable)</td>
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<td>no data available</td>
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<tr>
<td>Sodium sulfonate</td>
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<td>no data available</td>
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</tbody>
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**Carcinogenicity**

There are no known carcinogenic chemicals in this product.

**12. ECOLOGICAL INFORMATION**

**Product Information**

No information available

**Component Information**

<table>
<thead>
<tr>
<th>Component</th>
<th>Toxicity to Algae</th>
<th>Toxicity to Fish</th>
<th>Microtox</th>
<th>Water Flea</th>
<th>log Pow</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylacetate</td>
<td>EC50= 3300 mg/L Scenedesmus subspicatus 48 h</td>
<td>LC50= 230 mg/L Pimephales promelas 96 h</td>
<td>EC50 = 1180 mg/L 5 min</td>
<td>EC50 = 771 mg/L 48 h</td>
<td>4.6</td>
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<tr>
<td>Petroleum distillates, hydrotreated light</td>
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<td>LC50= 4720 mg/L 96 h</td>
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<td>EC50 &gt; 1000 mg/L 48 h</td>
<td>N/A</td>
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<tr>
<td>Petroleum distillates, hydrotreated heavy naphthenic (&lt;3% DMSO extractable)</td>
<td>no data available</td>
<td>LC50&gt; 5000 mg/L Pimephales promelas 96 h</td>
<td>no data available</td>
<td>EC50 &gt; 1000 mg/L 48 h</td>
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<tr>
<td>Petroleum distillates, hydrotreated light naphthenic (&lt;3% DMSO extractable)</td>
<td>no data available</td>
<td>LC50&gt; 5000 mg/L Pimephales promelas 96 h</td>
<td>no data available</td>
<td>EC50 &gt; 1000 mg/L 48 h</td>
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<td>Sodium sulfonate</td>
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<td>no data available</td>
<td>no data available</td>
<td>no data available</td>
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**Persistence and Degradability**

No information available

**Bioaccumulation**

No information available

**Mobility**

No information available

**13. DISPOSAL CONSIDERATIONS**

**Product Disposal**

Dispose of in accordance with local regulations

**Container Disposal**

Do not re-use empty containers

**14. TRANSPORT INFORMATION**

**DOT**

- **Proper Shipping Name**: Flammable liquids, n.o.s.
- **Hazard Class**: 3
- **UN-No**: UN1993
- **Packing Group**: III
- **Description**: Flammable liquids, n.o.s.(Aliphatic Petroleum Distillates),3,UN1993,PG III

**TDG**

- **Proper Shipping name**: Flammable liquid, n.o.s.
- **Hazard Class**: 3
- **UN-No**: UN1993
- **Packing Group**: III
- **Description**: FLAMMABLE LIQUID, N.O.S.(Aliphatic Petroleum Distillates),3,UN1993,PG III

**ICAO**

No information available
### 15. REGULATORY INFORMATION

#### Inventories

<table>
<thead>
<tr>
<th>TSCA</th>
<th>DSL</th>
<th>U.S. Federal Regulations</th>
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<tbody>
<tr>
<td>Complies</td>
<td>Complies</td>
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</table>

**SARA 313**
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and and Title 40n of the Code of Federal Regulations, Part 372.

**SARA 313/312 Hazardous Categorization**

<table>
<thead>
<tr>
<th>Acute Health Hazard</th>
<th>Chronic Health Hazard</th>
<th>Fire Hazard</th>
<th>Sudden Release of Pressure</th>
<th>Reactive Hazard</th>
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</thead>
<tbody>
<tr>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
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</table>

**CERCLA**

<table>
<thead>
<tr>
<th>Component</th>
<th>Hazardous Substances RQs</th>
<th>CERCLA EHS RQs</th>
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<tbody>
<tr>
<td>Ethylacetate</td>
<td>5000 lb</td>
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<tr>
<td>Petroleum distillates, hydrotreated light</td>
<td>Not applicable</td>
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</tr>
<tr>
<td>Petroleum distillates, hydrotreated heavy naphthenic (&lt;3% DMSO extractable)</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Petroleum distillates, hydrotreated light naphthenic (&lt;3% DMSO extractable)</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Sodium sulfonate</td>
<td>Not applicable</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

**Canada**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

**WHMIS Hazard Class**
B2 Flammable liquid, D2B Toxic materials.

### 16. OTHER INFORMATION

**Prepared By**
Dan Hollas

**Supercedes Date**
11/29/2007

**Issuing Date**
10/23/2008

**Reason for Revision**
No information available

**Glossary**
No information available

**List of References**
No information available

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