

# MATERIAL SAFETY DATA SHEET



Liquid Fence® Company, Inc.  
P.O. Box 1510  
Blakeslee, PA 18610

Product Name: Liquid Net  
Phone: 800-923-3623  
Fax: 570-646-5740  
Date of Preparation: 11/15/2010  
Date of Revision: 11/21/2013

MSDS Date: 11/15/2010  
Product Name: Liquid Net – Liquid and Wipes

## SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

CAS #: Liquid Mixture or Liquid Applied to Wipes  
Product Use: Insect Repellent Spray product

Manufacturer: Liquid Fence® Company, Inc.  
P.O. Box 1510  
Blakeslee, PA 18610  
800-923-3623

## SECTION 2 - HAZARDS IDENTIFICATION

### ROUTES OF EXPOSURE

Potential short term health effects: Eye, Skin contact, Inhalation, Ingestion.

Eyes: May cause irritation.

Skin: May cause irritation.

Inhalation: May cause respiratory tract irritation.

Ingestion: May cause stomach distress, nausea or vomiting.

Target organs: Eyes, Skin, & Respiratory system.

Chronic effects: Prolonged or repeated exposure can cause drying, defatting and dermatitis.

Signs and symptoms: Symptoms may include redness, edema, drying, defatting and cracking of the skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

## SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

Composition comments: This product is considered not hazardous under 29 CFR 1910.1200 (Hazard Communication).

Contains the following ingredients which comply with the FIFRA 25(b) minimum risk active ingredients or List 4A inert ingredients:

| ACTIVE COMPONENT      | CAS#       | PERCENTAGE |
|-----------------------|------------|------------|
| EUGENOL               | 97-53-0    | 0.20%      |
| CEDARWOOD OIL         | 68990-83-0 | 0.40%      |
| LEMONGRASS OIL        | 8007-02-01 | 0.40%      |
| CITRONELLA OIL        | 8000-29-1  | 0.40%      |
| CITRONELLA NATURAL    | 106-23-0   | 0.40%      |
| GERANIOL              | 106-24-1   | 0.40%      |
| PEPPERMINT OIL        | 68608-37-7 | 0.20%      |
| SODIUM LAURYL SULFATE | 151-21-3   | 0.40%      |

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| OTHER COMPONENT | CAS#       | TOTAL PERCENTAGE |
|-----------------|------------|------------------|
| WINTERGREEN OIL | 68917-75-9 | 97.2%            |
| CITRIC ACID     | 77-92-9    |                  |
| WATER           | 7732-18-5  |                  |

## SECTION 4 - FIRST AID MEASURES

**Skin contact:** Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.

**Inhalation:** If symptoms develop move victim to fresh air. If symptoms persist, obtain medical attention.

**Ingestion:** Do not induce vomiting. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration.

**Notes to physician:** Symptoms may be delayed.

**General advice:** If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Keep out of reach of children.

## SECTION 5 - FIRE FIGHTING MEASURES

**Flammable properties:** Not flammable by OSHA criteria.

**SUITABLE EXTINGUISHING MEDIA**

**Extinguishing media:** Treat for surrounding material.

**Unsuitable extinguishing media:** Not Available.

### SPECIFIC HAZARDS ARISING FROM THE CHEMICAL

**Protection of firefighters:** Not Available.

**Protective equipment for firefighters:** Firefighters should wear full protective clothing including self-contained breathing apparatus.

**Hazardous combustion products:** None known.

### SENSITIVITY TO MECHANICAL IMPACT

**Explosion data:** Not Available.

**Sensitivity to static discharge:** Not Available.

**Personal precautions:** Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.

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### SECTION 6 - ACCIDENTAL RELEASE MEASURES

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|                                 |                                                                                                                                                                                                                                                                                                                              |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Methods for containment:</b> | Prevent entry into waterways, sewers, basements or confined areas.                                                                                                                                                                                                                                                           |
| <b>Methods for cleaning up:</b> | Before attempting clean-up, refer to hazard data given above. Small spills may be absorbed, swept up and placed in suitable, covered, labeled containers. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills in original containers for re-use. |

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### SECTION 7 - HANDLING AND STORAGE

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|                  |                                                                                              |
|------------------|----------------------------------------------------------------------------------------------|
| <b>Handling:</b> | Use good industrial hygiene practices in handling this material.                             |
| <b>Storage:</b>  | Keep out of reach of children. Store in a closed container away from incompatible materials. |

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### SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

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|                              |                                        |
|------------------------------|----------------------------------------|
| <b>Engineering controls:</b> | General ventilation normally adequate. |
|------------------------------|----------------------------------------|

#### EYE / FACE PROTECTION

|                                        |                                                                                                                                                                             |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Personal protective equipment:</b>  | During application, prevent entry into eyes. Wear safety glasses with side shields if using in large applications.                                                          |
| <b>Hand protection:</b>                | Wash hands after application.                                                                                                                                               |
| <b>Skin and body protection:</b>       | As required by employer code.                                                                                                                                               |
| <b>Respiratory protection:</b>         | Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.                                                                                          |
| <b>General hygiene considerations:</b> | Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Wash hands before breaks and immediately after handling the product. |

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### SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

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|                        |                              |
|------------------------|------------------------------|
| <b>Appearance:</b>     | Opaque                       |
| <b>Color:</b>          | Opaque White to Opaque Beige |
| <b>Form:</b>           | Liquid                       |
| <b>Odor:</b>           | Sweet Pleasant Fragrance     |
| <b>Odor threshold:</b> | Not Available.               |
| <b>Physical state:</b> | Liquid                       |
| <b>pH:</b>             | 5.5 to 7.5                   |
| <b>Freezing point:</b> | Not Available.               |
| <b>Boiling point:</b>  | Not Available.               |

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|                                                 |                |
|-------------------------------------------------|----------------|
| Flash point:                                    | Not Available. |
| Evaporation rate:                               | Not Available. |
| Flammability limits in air, lower, % by volume: | Not Available. |
| Flammability limits in air, upper, % by volume: | Not Available. |
| Vapor pressure:                                 | Not Available. |
| Vapor density:                                  | Not Available. |
| Specific gravity:                               | Not Available. |
| Octanol/water coefficient:                      | Not Available. |
| Auto-ignition temperature:                      | Not Available. |

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### SECTION 10 - CHEMICAL STABILITY & REACTIVITY INFORMATION

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|                                     |                                              |
|-------------------------------------|----------------------------------------------|
| Chemical stability:                 | Stable under recommended storage conditions. |
| Conditions to avoid:                | Do not mix with other chemicals.             |
| Incompatible materials:             | Oxidizers.                                   |
| Hazardous decomposition products:   | None known.                                  |
| Possibility of hazardous reactions: | Hazardous polymerization does not occur.     |

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### SECTION 11 - TOXICOLOGICAL INFORMATION

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#### EFFECTS OF ACUTE EXPOSURE

|                       |                                                 |
|-----------------------|-------------------------------------------------|
| Eye:                  | May cause irritation.                           |
| Skin:                 | May cause irritation.                           |
| Inhalation:           | May cause respiratory tract irritation.         |
| Ingestion:            | May cause stomach distress, nausea or vomiting. |
| Sensitization:        | Not Available.                                  |
| Chronic effects:      | Not Available.                                  |
| Carcinogenicity:      | Not Available.                                  |
| Mutagenicity:         | Not Available.                                  |
| Reproductive effects: | Not Available.                                  |
| Teratogenicity:       | Not Available.                                  |
| Ecotoxicity:          | Not Available.                                  |

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### SECTION 12 - ECOLOGICAL INFORMATION

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|                                 |                |
|---------------------------------|----------------|
| Environmental effects:          | Not Available. |
| Aquatic toxicity:               | Not Available. |
| Persistence / degradability:    | Not Available. |
| Bioaccumulation / accumulation: | Not Available. |
| Partition coefficient:          | Not Available. |

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**Mobility in environmental media:** Not Available.  
**Chemical fate information:** Not Available.

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### SECTION 13 - DISPOSAL CONSIDERATIONS

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**Waste codes:** Not Available.  
**Disposal instructions:** Dispose in accordance with all applicable regulations.  
**Waste from residues / unused products:** Not Available.  
**Contaminated packaging:** Not Available.

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### SECTION 14 - TRANSPORTATION INFORMATION

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**U.S. Department of Transportation (DOT):** Not regulated as dangerous goods.  
**US Federal regulations:** This product is not known to be a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

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### SECTION 15 - REGULATORY INFORMATION

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**29 CFR 1910.1200 hazardous chemical Occupational Safety and Health Administration (OSHA):** No  
**CERCLA (Superfund) reportable quantity:** Not Available.  
**Hazard categories Superfund Amendments and Reauthorization Act of 1986 (SARA):**  

|                   |    |
|-------------------|----|
| Immediate Hazard  | No |
| Delayed Hazard    | No |
| Fire Hazard       | No |
| Pressure Hazard   | No |
| Reactivity Hazard | No |

  
**Section 302 extremely hazardous Substance:** No  
**Section 311 hazardous chemical:** No  
**Clean Air Act (CAA):** Not Available.  
**Clean Water Act (CWA):** Not Available.  
**State regulations:** This product contains the following substances known to the State of California to cause cancer: None.

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### INVENTORY STATUS

**Inventory Country(s) or region name  
on inventory (yes/no)\*:**

Yes - "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) of The United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory

**Disclaimer:**

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

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### SECTION 16 - OTHER INFORMATION

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|                        |                                               |
|------------------------|-----------------------------------------------|
| <b>Issue date:</b>     | 15-November-2010                              |
| <b>Effective date:</b> | <b>15-November-2010</b>                       |
| <b>Prepared by:</b>    | Liquid Fence® Company, Inc.<br>(800) 923-3623 |