

**Section 1 - Product and Company Identification**

**Product Identifiers:**

**Product Name:** Liquid Fence Dog & Cat Repellent Ready-to-Use<sub>2</sub>  
**EPA Registration Number:** N/A  
**Product Use:** Animal Repellent Ready-To-Use Spray

**Details of the Supplier of the Safety Data Sheet:**

**Manufacturer/Supplier:** The Liquid Fence Company, Inc.  
 D/B/A Liquid Fence Co.  
 P.O. Box 4406  
 Bridgeton, MO 63114  
**For product information:** 1-800-923-3623  
**For medical emergencies:** 1-800-633-2873

**Section 2 - Hazards Identification**

Conforms to Hazard Communication Standard 29 CFR 1910.1200.

**GHS Classification of Substance or Mixture:**

Physical Hazards GHS Classification Not classified as a physical hazard  
 Health Hazards GHS Classification Acute oral toxicity – Category 4  
 Primary eye irritant – Category 2B

**GHS Label Elements:**

Hazard pictogram(s):  
 Signal word:  
 Hazard statements:



WARNING

- Harmful if swallowed
- Causes eye irritation

**Precautionary Statements:**

- Wash thoroughly with soap and water after handling. Do not eat, drink or smoke when using product. If swallowed: Call a poison control center or doctor for treatment advice if you feel unwell. Rinse mouth.
- If in eyes: Rinse cautiously with soap and water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

**Section 3 - Composition / Information on Ingredients**

Chemical Name	CAS#	Weight Percent
Citronella oil	8000-29-1	0.780%
Eugenol	97-53-0	0.200%
Garlic oil	8000-78-0	0.200%
Sodium lauryl sulfate	151-21-3	0.015%
Cinnamom oil	8015-91-6	0.200%
Geraniol	106-24-1	0.100%

Note: Ingredients not identified are proprietary or non-hazardous. Values are not product specifications.

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#### Section 4 - First Aid Measures

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<b>Eye contact:</b>	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.
<b>Skin contact:</b>	No special requirements
<b>Inhalation:</b>	No special requirements
<b>Ingestion:</b>	Call a poison control center or doctor immediately for treatment advice. Have person sip water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
<b>Notes to physician:</b>	None
<b>General advice:</b>	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.

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#### Section 5 - Fire Fighting Measures

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<b>Flammable properties:</b>	Not flammable by OSHA criteria.
<b>Suitable extinguishing media:</b>	Water fog, foam, CO <sub>2</sub> , dry chemical
<b>Unsuitable extinguishing media:</b>	Not available
<b>Specific hazards arising from the chemical:</b>	Container may melt and leak in heat of fire. Do not allow run-off from firefighting to enter drains or water courses.
<b>Protective equipment for firefighters:</b>	Firefighters should wear full protective clothing including self-contained breathing apparatus.
<b>Hazardous combustion products:</b>	None known
<b>Sensitivity to mechanical impact:</b>	None known
<b>Explosion data:</b>	Not available
<b>Sensitivity to static discharge:</b>	Not available
<b>Personal precautions:</b>	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>Personal precautions:</b>	Remove all sources of ignition. Wear personal protective equipment. Wash thoroughly after handling.
<b>For emergency responders:</b>	If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials.

**Environmental precautions:** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

**Methods for containment and cleaning up:** Stop leak if without risk. Move containers from spill area. Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with earth, sand or absorbent material swept up and placed in suitable, covered, and 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.

**Section 7 - Handling and Storage**

**Precautions for safe handling:** Put on appropriate personal protective equipment (see Section 8). Do not use near heat, open flame or any other ignition source. Avoid contact with skin, eyes and clothing. Use an appropriate respirator when adequate ventilation is not available. Avoid breathing vapors or spray mists of the product.

**Storage:** Store product in a cool, dry place, out of reach of children. Keep container closed when not in use. Keep away from food, drink and animal feedingstuffs. Keep tightly closed. Non-refillable container. Do not reuse or refill this container. Place in trash or offer for recycling if available.

**Section 8 - Exposure Controls / Personal Protection**

**Exposure guidelines:**

Components with Occupational Exposure Limits							
		Exposure Limits					
		OSHA PEL		ACGIH TLV		Supplier OEL	
Chemical name		ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Citronella oil	TWA	None		None		None	
Eugenol	TWA	None		None		None	
Garlic oil	TWA	None		None		None	
Sodium lauryl sulfate	TWA	None		None		None	
Cinnamon oil	TWA	None		None		None	
Geraniol	TWA	None		None		None	

**Engineering controls:** General ventilation normally adequate.

**Personal protective equipment:**

**Eye/Face protection:** During application, prevent entry into eyes. Wear safety glasses with side shields if using in large applications.

**Skin and body protection:** Wash hands after handling.

**Respiratory protection:** Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.

**General hygiene considerations:** 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>	Pale yellow
<b>Physical state:</b>	Liquid (emulsion)
<b>Odor:</b>	Garlic & citronella
<b>Odor threshold:</b>	No data available
<b>pH:</b>	2.5 - 4.5
<b>Melting point:</b>	No data available
<b>Freezing point:</b>	No data available
<b>Boiling point:</b>	No data available
<b>Flash point:</b>	>200°F
<b>Evaporation rate:</b>	No data available
<b>Flammability limits in air, lower, % by volume:</b>	No data available
<b>Flammability limits in air, upper, % by volume:</b>	No data available
<b>Vapor pressure:</b>	No data available
<b>Vapor density:</b>	No data available
<b>Relative density @ 20°C:</b>	0.998
<b>Octanol/water coefficient:</b>	No data available
<b>Auto-ignition temperature:</b>	No data available
<b>Decomposition temperature:</b>	No data available
<b>Solubility:</b>	Miscible in water
<b>% Volatile organic compounds:</b>	0

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## Section 10 - Chemical Stability & Reactivity Information

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### Reactivity

<b>Conditions to avoid:</b>	Do not mix with other chemicals.
<b>Incompatible materials:</b>	Avoid strong oxidizers.

### Chemical stability

<b>Product stability:</b>	Stable under recommended storage conditions.
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### Other

<b>Hazardous decomposition products:</b>	None known
<b>Possibility of hazardous reactions:</b>	Hazardous polymerization does not occur.

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## Section 11 - Toxicological Information

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<b>Primary eye irritation:</b>	No data available
<b>Primary skin irritation:</b>	No data available
<b>Acute dermal:</b>	No data available
<b>Acute inhalation:</b>	No data available
<b>Acute oral:</b>	No data available
<b>Sensitization:</b>	No data available
<b>Chronic effects:</b>	No data available
<b>Carcinogenicity:</b>	No data available
<b>Mutagenicity:</b>	No data available
<b>Reproductive effects:</b>	No data available
<b>Teratogenicity:</b>	No data available
<b>Ecotoxicity:</b>	No data available

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### **Section 12 - Ecological Information**

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<b>Environmental effects:</b>	No data available
<b>Aquatic toxicity:</b>	None
<b>Persistence / degradability:</b>	No data available
<b>Bioaccumulation / accumulation:</b>	No data available
<b>Partition coefficient:</b>	No data available
<b>Mobility in environmental media:</b>	No data available
<b>Chemical fate information:</b>	No data available

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### **Section 13 - Disposal Considerations**

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<b>Waste codes:</b>	Not available
<b>Disposal instructions:</b>	Dispose in accordance with all applicable regulations.
<b>Waste from residues/unused products:</b>	Not available
<b>Contaminated packaging:</b>	Not available

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### **Section 14 - Transportation Information**

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<b>U.S. Department of Transportation (DOT):</b>	Not regulated
<b>IATA:</b>	Not regulated
<b>IMDG:</b>	Not regulated

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### **Section 15 - Regulatory Information**

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<b>29 CFR 1910.1200 hazardous chemical Occupational Safety and Health Administration (OSHA):</b>	No
<b>CERCLA (Superfund) reportable quantity:</b>	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:** None

**FIFRA labeling:** This product is a minimum risk pest control product and qualifies for exemption from EPA registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA). The labeling requirements under FIFRA differ from the classification criteria and hazard information required for safety data sheets, and for workplace non-pesticide chemicals. Following is the hazard information as found on the pesticide label:

**Signal word:** None

**Precautionary statements:** This product may be harmful if swallowed. Avoid contact with eyes. If contact with eyes occurs, immediately flush with plenty of water. Seek medical attention if either occurs.

**Notification status:** All ingredients of this product are listed or are excluded from listing on the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

**California Prop. 65:** This product does not contain any chemicals known to the state of California to cause cancer, birth defects or any other reproductive harm.

**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.

**SECTION 16 - OTHER INFORMATION**

<b>HMIS ratings:</b>	Health Hazard 1 Flammability 0 Physical Hazard 0
<b>Item number(s):</b>	HG-70130; HG-71296
<b>Formula number(s):</b>	21-1404
<b>Issue date:</b>	3/4/2016
<b>Prepared by:</b>	The Liquid Fence Company, Inc. D/B/A Liquid Fence Co. P.O. Box 4406 Bridgeton, MO 63114

