

# SAFETY DATA SHEET



Liquid Fence® Co.  
P.O. Box 4406  
Bridgeton, MO 63044

Product Name: Deer & Rabbit Repellent – Concentrate2  
Phone: 800-923-3623  
Items: HG-71106; 71136; 70111; 70123  
Date of Preparation: 03/18/15  
Formula Code: 21-1402

**Product Name: Liquid Fence Deer & Rabbit Repellent – Concentrate2**

## SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

**CAS #:** Liquid Mixture  
**Product Use:** Deer & Rabbit Repellent product  
**Manufacturer:** Liquid Fence ® Co.  
P.O. Box 4406  
Bridgeton, MO 63044  
800-923-3623

## SECTION 2 - HAZARDS IDENTIFICATION

This product is classified according to the Globally Harmonized System (GHS).

### ROUTES OF EXPOSURE

**Potential short term health effects:** Eyes, Ingestion.  
**Eyes:** May cause irritation.  
**Skin:** No expected irritation.  
**Inhalation:** No expected reaction.  
**Ingestion:** May be harmful if swallowed.  
**Target organs:** Eyes, & Digestive 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
PUTRESCENT EGG SOLIDS	9006-50-2	10.405
GARLIC POWDER	8000-78-0	3.746
SODIUM LAURYL SULFATE	151-21-3	0.402
POTASSIUM SORBATE	590-00-1	0.486
THYME OIL	8007-46-3	0.010

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OTHER COMPONENT	CAS#	TOTAL PERCENTAGE
WATER	7732-18-5	84.951%
SODIUM CITRATE	6132-04-3	
SODIUM BENZOATE	532-32-1	
CITRIC ACID	77-92-9	
XANTHAN GUM	11138-66-2	

## SECTION 4 - FIRST AID MEASURES

### FIRST AID PROCEDURES

**Eye contact:** Flush with cool water. Remove contact lenses, if applicable, and continue flushing. Obtain medical attention if irritation persists.

**Skin contact:** None required.

**Inhalation:** None required.

**Ingestion:** Contact a Poison Control Center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a Poison Control Center or doctor.

**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

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**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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**Methods for containment:** Prevent entry into waterways, sewers, basements or confined areas.

**Methods for cleaning up:** Before attempting clean up, refer to hazard data given above. Small spills may be absorbed, swept up and placed in suitable, covered, labeled containers. Small residues may be washed with detergent and water. Prevent large spills from entering sewers or waterways. Contact emergency services and supplier for advice. Never return spills in original containers for re-use. Note: Surfaces may become slippery after spillage.

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### SECTION 7 - HANDLING AND STORAGE

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**Handling:** Use good industrial hygiene practices in handling this material.

**Storage:** Keep out of reach of children. Store in a closed container away from incompatible materials. Do not allow product to freeze. Freezing decreases effectiveness.

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### SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

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

#### EYE / FACE PROTECTION

**Personal protective equipment:** Wear safety glasses with side shields.

**Hand protection:** Rubber gloves. Confirm with a reputable supplier first.

**Skin and body protection:** As required by employer code.

**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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**Appearance:** Opaque

**Color:** Beige to Gray

**Form:** Liquid

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<b>Odor:</b>	Strong Pungent
<b>Odor threshold:</b>	Not available
<b>Physical state:</b>	Liquid
<b>pH:</b>	3.5-5.0
<b>Freezing point:</b>	Not available
<b>Boiling point:</b>	Not available
<b>Flash point:</b>	>200 <sup>0</sup> F
<b>Evaporation rate:</b>	Estimated slower than water.
<b>Flammability limits in air, lower, % by volume:</b>	Not available
<b>Flammability limits in air, upper, % by volume:</b>	Not available
<b>Vapor pressure:</b>	Not available
<b>Vapor density:</b>	Estimated lighter than air.
<b>Specific gravity:</b>	1.026
<b>Octanol/water coefficient:</b>	Not available
<b>Auto-ignition temperature:</b>	Not available

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### SECTION 10 - CHEMICAL STABILITY & REACTIVITY INFORMATION

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<b>Chemical stability:</b>	Stable under recommended storage conditions.
<b>Conditions to avoid:</b>	Do not mix with other chemicals.
<b>Incompatible materials:</b>	Oxidizers.
<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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#### EFFECTS OF ACUTE EXPOSURE

<b>Eye:</b>	May cause irritation.
<b>Skin:</b>	No expected irritation.
<b>Inhalation:</b>	No expected reaction.
<b>Ingestion:</b>	May cause stomach distress, nausea or vomiting.
<b>Sensitization:</b>	Not available
<b>Chronic effects/Carcinogenicity:</b>	Not available
<b>Mutagenicity:</b>	Not available
<b>Reproductive effects:</b>	Not available
<b>Teratogenicity:</b>	Not available
<b>Ecotoxicity:</b>	Not available

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### SECTION 12 - ECOLOGICAL INFORMATION

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<b>Environmental effects:</b>	Not available
<b>Aquatic toxicity:</b>	Not available
<b>Persistence/degradability:</b>	Not available
<b>Bioaccumulation/accumulation:</b>	Not available
<b>Partition coefficient:</b>	Not available
<b>Mobility in environmental media:</b>	Not available
<b>Chemical fate information:</b>	Not 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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**DOT:** Not Regulated by DOT

**IATA:** Not Regulated by IATA

**IMDG:** Not Regulated by IMDG

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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

<b>Superfund Amendments and Reauthorization Act of 1986 (SARA):</b>	
Immediate Hazard	No
Delayed Hazard	No
Fire Hazard	No
Pressure Hazard	No

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Reactivity Hazard	No
<b>Section 302 extremely hazardous Substance:</b>	No
<b>Section 311 hazardous chemical:</b>	No
<b>Clean Air Act (CAA):</b>	Not available.
<b>Clean Water Act (CWA):</b>	Not available.
<b>State regulations:</b>	

### INVENTORY STATUS

**Inventory Country(s) or region name on inventory (yes/no)\*:** N/A, Regulated by EPA

**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>Effective date:</b>	3/18/15
<b>Prepared by:</b>	Liquid Fence® Co.