

SAFETY DATA SHEET



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

Product Name: Deer & Rabbit-Ready-to-Use
Phone: 800-923-3623
Item Number: HG-109; HG-112
Date of Preparation: 03/18/15
Formula Code:

SDS Date: 03/18/15
Product Name: Liquid Fence Deer & Rabbit Repellent-Ready-To-Use

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

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	1.070%
GARLIC POWDER	8000-78-0	0.37%
SODIUM LAURYL SULFATE	151-21-3	0.14%
POTASSIUM SORBATE	590-00-1	0.10%
THYME OIL	8007-46-3	0.003%

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OTHER COMPONENT	CAS#	PERCENTAGE
WATER	7732-18-5	98.317%
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:	Seek medical attention if ingestion occurs.
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

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.

SECTION 7 - HANDLING AND STORAGE

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.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls:	General ventilation normally adequate.
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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.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance:	Clear
Color:	Beige to Gray
Form:	Liquid
Odor:	Strong Pungent
Odor threshold:	Not Available
Physical state:	Liquid

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pH:	5.5-7.5
Freezing point:	Not Available
Boiling point:	Not Available
Flash point:	>200°F
Evaporation rate:	Estimated slower than water.
Flammability limits in air, lower, % by volume:	Not Available
Flammability limits in air, upper, % by volume:	Not Available
Vapor pressure:	Not Available
Vapor density:	Estimated lighter than air
Specific gravity:	0.999 g/mL
Octanol/water coefficient:	Not Available
Auto-ignition temperature:	Not Available

SECTION 10 - CHEMICAL STABILITY & REACTIVITY INFORMATION

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.

SECTION 11 - TOXICOLOGICAL INFORMATION

EFFECTS OF ACUTE EXPOSURE

Eye:	May cause irritation.
Skin:	No expected irritation.
Inhalation:	May cause respiratory tract irritation.
Ingestion:	May cause stomach distress, nausea or vomiting.
Sensitization:	Not Available
Chronic effects/Carcinogenicity:	Not Available
Mutagenicity:	Not Available
Reproductive effects:	Not Available
Teratogenicity:	Not Available
Ecotoxicity:	Not Available

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SECTION 12 - ECOLOGICAL INFORMATION

Environmental effects:	Not Available
Aquatic toxicity:	Not Available
Persistence/degradability:	Not Available
Bioaccumulation / accumulation:	Not Available
Partition coefficient:	Not Available
Mobility in environmental media:	Not Available
Chemical fate information:	Not Available

SECTION 13 - DISPOSAL CONSIDERATIONS

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

SECTION 14 - TRANSPORTATION INFORMATION

DOT: Not regulated

IMDG: Not regulated

IATA: Not Regulated

SECTION 15 - REGULATORY INFORMATION

**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

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Section 311 hazardous chemical:

No

Clean Air Act (CAA):

Not Available.

Clean Water Act (CWA):

Not Available.

State regulations:

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.

SECTION 16 - OTHER INFORMATION

Issue date:

3/18/15

Prepared by:

Liquid Fence® Co.
(800) 923-3623