
MATERIAL SAFETY DATA SHEET



The Liquid Fence Company, Inc.
P.O. Box 300
Brodheadsville, PA 18322

Product Name: Deer & Rabbit Repellent Granular
Phone: 800-923-3623
Fax: 570-722-8452
Date of Preparation: 06/02/2010

MSDS Date: 06/02/2010
Product Name: Liquid Fence Deer & Rabbit Repellent Granular

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

CAS #: Granular Mixture
Product Use: Deer & Rabbit Repellent product
Manufacturer: The Liquid Fence Company, Inc.
P.O. Box 300
Brodheadsville, PA 18322
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: Chronic inhalation of crystalline silica dust in excess of the Threshold Limit Value (TLV) recommended by the American Conference of Government Hygienists (ACGIH) (0.025mg/cubic meter) or in excess of the Permissible Exposure Limit (PEL) established by OSHA (0.050mg/cubic meter), over a prolonged number of years may contribute to silicosis. Crystalline silica, when inhaled as respirable dust, has been classified in a 1997 monograph (Volume 68 "Silica") of the International Agency for Research on Cancer (ARC) as carcinogenic to humans over prolonged and sustainable exposure.

Signs and symptoms: Symptoms may include Dryness of the nasal passage and lung congestion, coughing and general throat irritation. Chronic inhalation of dust should be avoided.

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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:

Calcined Diatomaceous Earth containing less than 1% crystalline silica (CAS# 61790-53-2)

ACTIVE COMPONENT	CAS#	PERCENTAGE
PUTRESCENT WHOLE EGG SOLIDS	9006-50-2	6.16%
GARLIC POWDER	8000-78-0	0.74%
SODIUM LAURYL SULFATE	151-21-3	0.15%
POTASSIUM SORBATE	590-00-1	0.12%

OTHER COMPONENT	CAS#	TOTAL PERCENTAGE
XANTHAN GUM	11138-66-2	92.83%
WATER	7732-18-5	
DIATOMACEOUS EARTH/ SILICA	61790-53-2	

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

Inhalation: If symptoms develop move victim to fresh air. Blow nose to evacuate dust, 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.

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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.

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. 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

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.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

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: Respirators fitted with filters to standard 42CFR84 under series N95 should be worn when dust is present. If the dust

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General hygiene considerations:

concentration is less than ten (10) times the Permissible Exposure Limit (PEL) use a quarter or half mask respirator with a N95 dust filter or a single use dust mask rated N95. If dust concentration is greater than ten times and less than fifty times the PEL, a full face respirator fitted with replaceable N95 filters is recommended. A dust concentration greater than fifty and less than two hundred times the PEL use a power air purifying (positive pressure) respirator with a replaceable N95 filter. If dust concentration is greater than two hundred time the PEL, use a type C, supplied air respirator (continuous flow, positive pressure), with full face piece, hood or helmet.

Avoid dust. Avoid contact with eyes. 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:	Solid – Sand like texture
Color:	Buff to Beige
Form:	Fine Granular
Odor:	Mild to Strong Pungent
Odor threshold:	Not available
Physical state:	Solid Granular
pH:	Not available
Freezing point:	Not available
Boiling point:	Not available
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

SECTION 10 - CHEMICAL STABILITY & REACTIVITY INFORMATION

Chemical stability: Stable under recommended storage conditions.

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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:	May cause irritation.
Inhalation:	May cause respiratory tract irritation.
Ingestion:	May cause stomach distress, nausea or vomiting.
Sensitization:	Not available
Chronic effects/ Carcinogenicity:	The granular product can contain respirable dust, composed primarily of amorphous silica but possibly with a small fraction of crystalline silica. Amorphous silica is not classified a carcinogenic to humans. Chronic inhalation of crystalline silica dust in excess of the Threshold Limit Value (TLV) recommended by the American Conference of Government Hygienists (ACGIH) (0.025mg/ cubic meter) or in excess of the Permissible Exposure Limit (PEL) established by OSHA (0.050mg/cubic meter), over a prolonged number of years may contribute to silicosis. Crystalline silica, when inhaled as respirable dust, has been classified in a 1997 monograph (Volume 68 "Silica") of the International Agency for Research on Cancer (ARC) as carcinogenic to humans over prolonged and sustainable exposure.
Mutagenicity:	Not available
Reproductive effects:	Not available.
Teratogenicity:	Not available
Ecotoxicity:	Not available

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

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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

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.

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

Section 311 hazardous chemical: No

Clean Air Act (CAA): Not available

Clean Water Act (CWA): Not available

State regulations: WARNING: This product contains a chemical known to the State of California to cause cancer.

INVENTORY STATUS

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

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

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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: 02-June-2010
Effective date: **02-June-2010**
Prepared by: The Liquid Fence Company, Inc.
(800) 923-3623