

MATERIAL SAFETY DATA SHEET



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

Product Name: Weed & Grass Killer-Concentrate
Phone: 800-923-3623
Fax: 570-646-5740
Date of Preparation: 08/19/2013
Date of Revision: 08/19/2013

MSDS Date: 08/19/2013
Product Name: Weed & Grass Killer Concentrate

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

CAS #: Liquid
Product Use: Herbicide
Manufacturer: Liquid Fence® Company, Inc.
P.O. Box 1510
Blakeslee, PA 18610
800-923-3623
Emergency Phone: 888-326-SAFE (9 am to 5pm EST)
Chemtrec Phone: Info Trac Chemical Response System
800-535-5053 (24 hours)

SECTION 2 - HAZARDS IDENTIFICATION

ROUTES OF EXPOSURE

Acute health effects: Eye, Skin contact, Inhalation, Ingestion.
Eyes: May cause irritation.
Skin: May cause irritation and/or drying of skin.
Inhalation: May cause respiratory tract irritation.
Ingestion: May cause stomach distress, nausea or vomiting.
Target Organ(s): 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

ACTIVE COMPONENT	CAS#	% BY WEIGHT	EXPOSURE LIMITS (PEL/TLV)
ROSEMARY OIL	8007-25-7	5.0	NONE ESTABLISHED
CINNAMON OIL	104-55-2	5.0	NONE ESTABLISHED
SODIUM LAURYL SULFATE	151-21-3	5.0	NONE ESTABLISHED

OTHER COMPONENT	CAS#	% BY WEIGHT	EXPOSURE LIMITS (PEL/TLV)
WATER	7732-18-5	85.0	NONE ESTABLISHED
SOAP	N/A		NONE ESTABLISHED
LECITHINS	8002-43-5		NONE ESTABLISHED
GLYCERIN	56-81-5		NONE ESTABLISHED

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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 and animals.

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: Not known.

SENSITIVITY TO MECHANICAL IMPACT

Explosion data: Not Available.

Sensitivity to static discharge: Not Available.

Personnel 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, basement 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. Dispose of the absorbent material according to local ordinances. Contact emergency services and supplier for advice. Never return spills to original containers for re-use. Components of this product are not considered EPA hazardous wastes.

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SECTION 7 - HANDLING AND STORAGE

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

Storage: Keep out of reach of children and animals. Store in a closed container away from incompatible materials. Avoid excessive heat.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls: General ventilation normally adequate.

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

Hand protection: Wash hands after application.

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 immediately after handling the product.

SECTION 9 - PHYSICAL & CHEMICAL PROPERTIES

Appearance: Slightly cloudy - clear.

Color: Slightly yellow.

Form: Liquid.

Odor: Herbal scent.

Odor threshold: Not Available.

Physical state: Liquid.

pH: ~9.15.

Freezing point: Not Available.

Boiling point: Not Available.

Specific gravity: 1.06 g/mL.

Solubility in water: Miscible.

SECTION 10 - STABILITY AND REACTIVITY

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

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.

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 residue/unused products:	Not Available.
Contaminated packaging:	Not Available.

SECTION 14 - TRANSPORTATION INFORMATION

U.S. Dept. of Transportation (DOT):	Not regulated as dangerous goods.
U.S. Federal regulations:	This product is not known to be a "Hazardous Chemical" as defined by OSHA Hazard Communication Standard, 29 CFR 1910.1200

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SECTION 15 - REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

CERCLA 103 Reportable Quantity: This product is not subject to CERCLA release reporting. Many states have more stringent regulations. Follow state regulations for disposal of this material. Report all spills in accordance with local, state, and federal regulations.

TSCA (Toxic Substances Control Act): All ingredients in this product are either listed or excluded from the TSCA Inventory.

SARA Title III (Superfund Amendments and Reauthorization Act): This product does not contain any ingredients subject to Section 313 (40 CFR 372) reporting requirements.

302/311/312 Hazard Categories: None.

STATE REGULATIONS:

California Proposition 65: This product contains the following substances known to the State of California to cause cancer: None.

SECTION 16 - OTHER INFORMATION

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 the 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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Prepared by: Liquid Fence® Company, Inc.
(800) 923-3623