

# SAFETY DATA SHEET

Product Name: Licefreee Home™  
Tec Laboratories, Inc.

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Issue Date: 10 Aug 2021  
Revision No. 03

## 1. IDENTIFICATION

Product name: Licefreee Home™  
CAS number: Not available for this mixture  
Chemical family: Pesticide  
EPA Registration No.: 50830-4  
Recommended Uses: Direct lice control spray, for use on bedding, furniture, and other inanimate objects infested with lice. Do not spray directly on plants, animals, humans or food.  
Manufacturer: Tec Laboratories, Inc.  
7100 Tec Labs Way SW  
Albany, Oregon 97321  
Emergency telephone number: (541) 926-4577  
24-Hour Emergency Assistance: 1-800-535-5053  
Email: [info@teclabsinc.com](mailto:info@teclabsinc.com)

## 2. HAZARD(S) IDENTIFICATION

Classification: Flammable liquid, Category 3  
Eye damage/irritation, Category 2B

Symbol:



Signal word: Warning

Hazard statements: Flammable liquid and vapor  
Causes eye irritation

Precautionary Statements:

### **Prevention (Flammability)**

Keep away from heat, sparks, open flames, and hot surfaces – No smoking.  
Keep container tightly closed.  
Use explosion-proof electrical, ventilating, and lighting equipment and non-sparking tools.  
Take precautionary measures against static discharge.

Wear protective gloves/eye protection/face protection when handling in bulk and during prolonged use.

### **Prevention (Eye damage/irritation)**

Wash hands thoroughly after handling.  
Avoid applying in or near eyes.  
Wear eye protection/face protection when handling in bulk.

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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Product name: Licefreee Home™  
Hazardous ingredients: None

	CAS NUMBER	CHEMICAL NAME	PERCENT BY WEIGHT
Active ingredient:	5989-27-5	D-limonene	5%

Other ingredients: The specific chemical identity and/or exact percentage (concentration) of ingredient composition is withheld as proprietary.

## 4. FIRST AID MEASURES

Skin: If on sensitive skin: wash with plenty of water for at least 15 minutes. If skin irritation occurs, get medical advice/attention.

Eyes: If in eyes: Hold eye open and rinse and gently with water for 15-20 minutes. Remove contact lenses, if present and after the first five minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Inhalation: If inhaled: move person to fresh air and keep comfortable for breathing. Seek medical attention if you feel unwell.

Ingestion: If ingested: rinse mouth and drink several glasses of water. Seek medical attention if you feel unwell.

NOTE TO PHYSICIAN: There is no specific antidote. Treatment of over-exposure should be directed at the control of symptoms and the clinical solution.

## 5. FIREFIGHTING MEASURES

Extinguishing media: Foam for large fires, carbon dioxide, water fog or dry chemical for small fires

Exposure hazards: None known

Firefighting procedures: Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and enclosed spaces, SCBA. Firefighters should wear proper protective equipment and self-contained breathing apparatus with full face piece operated in positive pressure mode. Move containers from fire area if safe to do so. Cool closed containers exposed to fire with water spray. Do not allow run-off from firefighting to enter drains or water courses. Dike for water control.

Combustion products: No data available

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Refer to Section 8 of the SDS for personal protection details

Environmental precautions: Absorbed material should be landfilled according to Federal, State and local regulations

Clean-up procedures: Contain spilled material. Ventilate the spill area. Prevent runoff from entering drains, sewers, or streams. Absorb material with an inert absorbent. Sweep up and place in a closed container. Clean up residual materials by washing area with water. Surfaces may become slippery after spillage.

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## 7. HANDLING AND STORAGE

Handling requirements: Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

Storage conditions: Store in original closed container. Store in a cool, dry place. Do not contaminate water, food, or feed by storage or disposal. Do not store near heat or open flame.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits: None

Respiratory protection: None required for normal use

Hand protection: None required for normal use

Eye protection: None required for normal use. Avoid spraying product in or around eyes.

Skin protection: None required for normal use

When handling in bulk: Wear OSHA approved safety glasses, chemical goggles or face shield. Wear rubber gloves. To avoid excessive exposure, wear impervious boots and clothing. Use general exhaust in all areas, local exhaust where high concentrations exist. Respiratory protection not necessary.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

State: Liquid

Color: White

Odor: Citrus, orange-like

Odor threshold: Not available

pH: About 6.7

Melting point: Not available

Freezing point: Not available

Boiling point: Not available

Flash point (closed cup): 54.5°C (ASTM D93)

Evaporation rate: Not available

Solubility(ies): Soluble in water

Flammability (solid, gas): Not applicable

Flammability limits: Not available

Explosion limits: Not available

Vapor pressure: Not available

Vapor density: Not available

Partition coefficient: Not available

Specific gravity: 1.0047 @ 25°C

Viscosity: Not a viscous liquid

Auto-ignition temperature: Unknown

Density: 8.38 lbs/gallon

Decomposition temperature: Not available

## 10. STABILITY AND REACTIVITY

Stability: Stable

Reactivity: Not available

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Possibility of hazardous reactions: None are known  
Conditions to avoid: Direct sources of heat. Do not use in areas without adequate ventilation. Avoid contact with incompatible materials.  
Materials to avoid: Strong acids, strong oxidizing agents  
Hazardous decomposition products: None  
Hazardous polymerization: Will not occur

## 11. TOXICOLOGICAL INFORMATION

Primary routes of entry: Skin, eyes, ingestion, inhalation  
Acute oral toxicity: LD<sub>50</sub>> 5000mg/kg, EPA Toxicity Category IV  
Acute dermal toxicity: LD<sub>50</sub>> 5000mg/kg, EPA Toxicity Category IV  
Skin corrosion/irritation: Primary Skin Irritation Index: 1.25, EPA Toxicity Category IV  
Eye damage/irritation: Draize Scoring System: 7.33/110, EPA Toxicity Category III  
Skin sensitization: Buehler Technique: sensitization not induced in test group, EPA Category IV  
Acute inhalation toxicity: LC<sub>50</sub>> 2.45mg/L, EPA Toxicity Category IV  
Germ cell mutagenicity: No data available  
Carcinogenicity: Not listed as a cancer causing agent by NTP, IARC, or OSHA  
Reproductive toxicity: No data available  
STOT-single exposure: No data available  
STOT-repeated exposure: No data available  
Aspiration hazard: No data available  
Potential health effects: Eyes: may cause moderate eye irritation  
Signs and Symptoms of Exposure: May cause moderate irritation of the eyes. May sting sensitive skin and cause redness that subsides. Vapors may present an overwhelming odor.  
Occupation Exposure Limit: Not established

## 12. ECOLOGICAL INFORMATION

Toxicity: No data available  
Persistence and biogradability: No data available  
Mobility: No data available  
Other adverse effects: No data available

## 13. DISPOSAL CONSIDERATIONS

Disposal methods: Do not contaminate water, food, or feed by storage or disposal. Non-refillable container. Do not reuse or refill this container. If empty: place in trash or offer for recycling if available. If partly filled: call your local waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

## 14. TRANSPORT INFORMATION

U.S. DOT Shipping Name: Licefreee Home™  
USDOT/PHMSA: This product was tested according to ASTM D 4206, Standard Test Method for Sustained Burning of Liquid Mixtures Using the Small Scale Open-Cup Apparatus. The results of that test indicate this product is not able to sustain combustion.  
Pursuant to 49 CFR 173.121(a)(3), a liquid with a flash point greater than 35 °C (95 °F) that does not sustain combustion according to ASTM D 4206 is not

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subject to classification as a Class 3 Flammable Liquid. The flash point of this product (see section 9 of this SDS) is greater than 35 °C (95 °F). Therefore, this product is not subject to classification as a Class 3 Flammable Liquid.

Since this product meets no other criteria for regulation as a hazardous material, it is not subject to regulation under the USDOT/PHMSA Hazardous Materials Regulations

ICAO/IATA: This product was tested according to the Sustained Combustibility Test prescribed in the UN Manual of Tests and Criteria, part III, subsection 32.5.2. The results of that test indicate this product is not able to sustain combustion.

Pursuant to 3.3.1.3(a) of the IATA Dangerous Goods Regulations, a liquid with a flash point greater than 35 °C that does not sustain combustion according to the UN Manual of Tests and Criteria, part III, subsection 32.5.2 is not subject to classification as a Class 3 Flammable Liquid. The flash point of this product (see section 9 of this SDS) is greater than 35 °C (95 °F). Therefore, this product is not subject to classification as a Class 3 Flammable Liquid.

Per 3.9.2.4.1 of the IATA Dangerous Goods Regulations D-limonene (a component of this product) may meet the criteria for an Environmentally Hazardous Substance – Aquatic Environment.

Per 7.1.5.3.1, Note 2 and special provision A197, an Environmentally Hazardous Substance in a packaging of ≤5 L or 5 kg is not subject to regulation. This product is packaged and shipped by Tec Laboratories, Inc. with a net capacity of ≤5 L or 5 kg. Therefore, this product as packaged and shipped by Tec Laboratories, Inc. is not subject to classification as an Environmentally Hazardous Substance – Aquatic Environment.

Since this product meets no other criteria for regulation as a dangerous good, it is not subject to regulation under the IATA Dangerous Goods Regulations.

IMO: This product was tested according to the Sustained Combustibility Test prescribed in the UN Manual of Tests and Criteria, part III, subsection 32.5.2. The results of that test indicate this product is not able to sustain combustion. Pursuant to 2.3.1.3.1 of the IMO Dangerous Goods Code, a liquid with a flash point greater than 35 °C that does not sustain combustion according to the UN Manual of Tests and Criteria, part III, subsection 32.5.2 is not subject to classification as a Class 3 Flammable Liquid. The flash point of this product (see section 9 of this SDS) is greater than 35 °C (95 °F). Therefore, this product is not subject to classification as a Class 3 Flammable Liquid.

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Per 2.10.2 of the IMO Dangerous Goods Code D-limonene (a component of this product) may meet the criteria for a Marine Pollutant.

Per 2.10.2.7 a marine pollutant in a packaging of ≤5 L or 5 kg is not subject to regulation as a marine pollutant. This product is packaged and shipped by Tec Laboratories, Inc. with a net capacity of ≤5 L or 5 kg. Therefore, this product as packaged and shipped by Tec Laboratories, Inc. is not subject to classification as a Marine Pollutant.

Since this product meets no other criteria for regulation as a dangerous good, it is not subject to regulation under the IMO Dangerous Goods Code.

NOTE: Please consult 49 CFR Subchapter C to ensure subsequent shipments comply with regulation.

## 15. REGULATORY INFORMATION

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below:

KEEP OUT OF REACH OF CHILDREN  
CAUTION  
Causes moderate eye irritation  
Combustible

This SDS was prepared in accordance with 29CFR 1910.1200 OSHA Hazard Communication

## 16. OTHER INFORMATION

Revision date: 10 Aug 2021  
Revision indicator: Revision to Section 14  
Disclaimer: The information contained herein is accurate to the best of our knowledge. Tec Laboratories, Inc. makes no warranty of any kind, expressed or implied, concerning the safe personal use of this material or in combination with other substances. Please refer to the pesticide label for complete directions for use and additional warning information. Tec Labs will not accept liability for damage or injury resulting from misuse.