

# SAFETY DATA SHEET

Date: 10/07/2015  
(Preparation or Last Revision)

Complies with 91/155/EEC, 1907/2006 (REACH) and amendments, OSHA's Hazard Communication Standard, 29 CFR 1910.1200; and the requirements of the U.S. Department of Labor Occupational Safety & Health Administration.

## Regulatory Status:

This preparation is classified as hazardous under U.S. OSHA 29 CFR 1910.1200; E.C. Directive 1999/45/EC; Canadian R.S. 1985, c. H-3; U.K. CHIP 2002 No. 1689; and/or U.N. GHS ST/SG/AC 10/30.

None of the components present in this preparation at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

## SECTION 1: PRODUCT IDENTIFICATION

**PRODUCT NAME:** Flea & Tick Lawn Spray **SERIES NAME:** Espree  
**DESCRIPTION:** A repellent spray for flea and ticks  
**PRODUCT USE:** Insecticide/Spray  
**DISTRIBUTOR:** Espree Animal Products, Inc. Telephone: 817-251-6300  
800 Industrial Blvd, #200 Fax: 817-251-6400  
Grapevine, Texas 75051, USA Website: www.espree.com

## SECTION 2: HAZARDOUS INGREDIENTS

### Classification

#### OSHA Regulatory Status:

This chemical is considered hazardous by the 2012 OSHA Hazard Communication standard (29 CFR 1910.1200)

Acute toxicity – Oral	Category 3
Acute toxicity-Inhalation (Dusts/Mists)	Category 4

### Label Elements

#### Emergency Overview

### WARNING

#### Hazard Statements

H301- Toxic if swallowed

H332- Harmful if inhaled

H400- Very toxic to aquatic life

H410- Very toxic to aquatic life with long lasting effects



**Appearance:** Milky White

**Physical State:** Liquid

**Odor:** Vegetable-Oil

#### Precautionary Statements-Prevention:

P264- Wash face, hand and any exposed skin thoroughly after handling

P270- Do not eat, drink or smoke when using product

P261- Avoid breathing dust/fumes/gas/mist/vapors/spray

P271- Use only outdoor or in a well-ventilated area

P272- Contaminated work clothing should not be allowed out of the workplace

P280- Wear protective gloves

#### Precautionary Statements – Response:

P321- Specific treatments (see section 4/First Aid).

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P302 + P352 - IF ON SKIN: Wash with plenty of soap and water  
P333 + P313 - If skin irritation or rash occurs: Get Medical advice/attention  
P363 – Wash Contaminated clothing before reuse  
P304 + P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
P312 – Call a Poison Center or doctor/physician if you feel unwell  
P301 + P310 – IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
P330 – Rinse Mouth  
Precautionary Statements- Storage:  
P405- Store locked up  
Precautionary Statements- Disposal:  
P501 – Dispose of contents/container to an approved waste disposal plant  
Hazards not otherwise classified (HNOC):  
Not applicable

## SECTION 3: COMPOSITION

Chemical Name	CAS No	Weight-%
Esfenvalerate	66230-04-4	0.133

\*The exact percentage (concentration) of composition has been withheld as a trade secret.

Comments: Ingredients not identified are property or non-hazardous. Values are not product sections.

## SECTION 4: FIRST AID MEASURES

Aspiration pneumonia hazard: \*No information available

Description of first aid measures:

**EYES:** Hold eye open and rinse slowly and gently with water 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center doctor for treatment advice

**SKIN:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center doctor for treatment advice.

**INGESTION:** If swallowed, IMMEDIATELY call 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 by a poison control center or a doctor. Never give anything by mouth to an unconscious person.

**INHALATION:** Remove affected person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible. Call a poison control center for further treatment advice.

**Note to Physicians:** For skin effects, a highly efficient therapeutic agent for Pyrethrin/Pyrethroid exposure is topical application of tocopherol acetate (Vitamin E)

**Self-Protection /First Responder** Use personal protective equipment as required

## SECTION 5: FIRE - FIGHTING MEASURES

**Suitable extinguishing media:** Use, Dry chemical. Carbon dioxide (CO<sub>2</sub>). Water spray (fog). Alcohol resistant foam.

**Unsuitable extinguishing media:** Caution: Use of water spray when fighting fire may be inefficient.

**Hazards combustion products:** Hydrogen cyanide, Carbon monoxide, Carbon dioxide (CO<sub>2</sub>).

**Specific hazards arising from the chemical:** No information available.

**Explosion Data:** Sensitivity to Mechanical Impact: None.  
Sensitivity to Static Discharge: None.

**Protective equipment and precautions for firefighters:** As in any fire, wear-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent)

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NFPA Health hazards **2** Flammability **1** Instability **0** Physical and Chemical Properties -  
HMIS Health hazards **2** Flammability **1** Physical hazards **0** Personal Protection **X**  
Chronic Hazard Star Legend \* =Chronic Health Hazard

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### Personal Precautions, protective equipment and emergency procedures

#### **Personal Precautions:**

Use personal protective equipment as required. Evacuate personal to safe areas. Keep people away from and upwind of spill/leak.

#### **Environmental Precautions:**

Prevent further leakage or spillage if safe to do so. Do not allow into any sewer, on the ground or into any body of water. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained. See section 12 for additional ecological information.

### Methods and material for containment and cleaning up

#### **Methods for containment**

Prevent further leakage or spillage if safe to do so.

#### **Methods for cleaning up:**

Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly.

## SECTION 7: HANDLING & STORAGE

### **Precautions for safe handling**

#### **Advice on safe handling:**

Use personal protective equipment as required. Ensure adequate ventilation, especially in confined areas. Use with local exhaust ventilation. Do not breathe dust/fumes/gas/mist/vapors/spray. For more information, see product label.

#### **Conditions for safe storage, including any incompatibilities**

#### **Storage Conditions:**

Keep container tightly closed in a dry and well-ventilated place. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers. For more information, see product label.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

**Exposure Guidelines:** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulator bodies.

### Appropriate Engineering Controls

#### **Engineering Controls:**

**Safety Showers**  
**Eyewash Stations**  
**Ventilation systems**

### Individual protection measures, such as personal protective equipment

**RESPIRATORY PROTECTION:** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**EYE/FACE PROTECTION:** Tight sealing safety goggles. Face protection shield.

**SKIN AND BODY PROTECTION:** Wear protective gloves and protective clothing.

**General Hygiene Considerations:** When using do not eat, drink, or smoke. Wash contaminated clothing before reuse. Regular cleaning of equipment, work area and clothing is recommended.



## SECTION 9: PHYSICAL/CHEMICAL PROPERTIES

### **Information on basic physical and chemical properties:**

Physical State: Liquid

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Appearance: Milky  
Odor: Vegetable-oil  
Odor threshold: No information available  
Color (Gardner Scale): No information available

Property:	Values:	Comment: *Method
pH:	5.15	
Boiling Point / boiling range:	No information is available	
Melting point / boiling range:	No information is available	
Flash point:	>93.3 °C / > 200.0 °F	Tag Closed Cup

Evaporation rate	No information is available
Flammability (solid gas)	No information is available
Upper flammability limit (UEL)	No information is available
Lower flammability limit (LEL)	No information is available
Vapor Pressure	No information is available
Vapor Density	No information is available
Specific Gravity	No information is available
Partition coefficient; n-Octanol/Water:	No information is available
Autoignition temperature:	No information is available
Decomposition temperature:	No information is available
Kinematic Viscosity	No information is available
Dynamic Viscosity	5.5 cPs.
Refractive Index	No information available

@23.2 °C

#### Other Information:

Density: 0.997 g/cm<sup>3</sup> @ 22.5°C  
VOC Content (%): 0

#### Miscibility/Solubility:

Water: Miscible  
Alcohol: Miscible  
Aromatic Solvents: Partially miscible  
Petroleum distillates: Partially miscible

## SECTION 10: STABILITY AND REACTIVITY

**REACTIVITY:** No Data Available  
**STABILITY:** Stable under recommended storage conditions  
Possibility of Hazardous Reactions None under normal processing  
Hazardous Polymerization Hazardous Polymerization does not occur  
**CONDITIONS TO AVOID:** Extremes of temperature and direct sunlight

**INCOMPATIBLE MATERIALS:** Incompatible with strong acids and bases. Incompatible with oxidizing agents

**HAZARDOUS Decomposition Products:** Carbon Monoxide, Carbon dioxide (CO<sub>2</sub>).

## SECTION 11: TOXICOLOGICAL INFORMATION

### Numerical measures of toxicity- Production Information

Oral LD <sub>50</sub>	98.11 mg/kg (rat)
Dermal LD <sub>50</sub>	>5,000 mg/kg (rabbit)
Inhalation LC <sub>50</sub>	>2.06 mg/L (rat; 4 hours)
Eye Contact	Irritation clearing in 72 hours. (rabbit)
Skin Contact	Slight irritation at 72 hours.
Skin Irritation Index	1.9

**Sensitization:** Negative. (guinea pig)

**Comment:** Some of the above toxicity data was bridged from the insecticide concentrate that is used in manufacturing this end use product.

**Carcinogenicity** This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC, or NTP.

**Reproductive Toxicity:** No information available.

**Development Toxicity Teratogenicity** No information available.

**STOT- Single Exposure** No information available.

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STOT – repeated exposure

No information available.

## SECTION 12: ECOLOGICAL INFORMATION

### Eco toxicity:

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

**Other Adverse Effects**

No information available.

**Environmental Hazards (EPA)**

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other water unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this products to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

## SECTION 13: DISPOSAL CONSIDERATIONS

**Disposal of wastes:**

Disposal should be in accordance with applicable regional, national and local laws and regulations. For more information, see product label.

**Contaminated Packaging:**

For more information, see product label

## SECTION 14: TRANSPORT INFORMATION

### DOT (Department of Transportation)

Proper Shipping Name:

Insecticides, Insect or Animal Repellent, liquid

Hazard Class

Non-Hazardous

Reportable Quantity (RQ)

Pyrethrins (1 Lb.)

Other Shipping Information:

This material is **not** regulated as a hazardous material when shipped in Non-Bulk quantities (i.e., less-than 199 Gallons/450 Liters)

When shipping in Bulk-quantities (i.e., more than 119 Gallons/ 450 Liters)

### Air (IATA/ ICAO)

Proper Shipping Name:

Insecticides, Insect or Animal Repellent, liquid

Hazard Class:

Non-Hazardous

Note:

Not considered hazardous by IATA/ ICAO regulations for transportation via air.

Vessel (IMO/IMDG)

UN/ID Number:

UN3082

Proper Shipping Name:

Environmentally hazardous substance, liquid, n.o.s., RQ (Pyrethrins)

Hazard Class:

9

Packing Group:

III

## SECTION 15: REGULATORY INFORMATION

**US Federal Regulations:**

### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and title 40 of the Code of Federal regulations, Part 372

### **Section 311/312 Hazard**

#### **Categories**

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden release of pressure hazard	No
Reactive hazard	No

### **CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

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## CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental

Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to the releases of materials

## US State Regulations:

### California Proposition 65:

This product does not contain any Proposition 65 chemicals

## U.S. EPA Label Information:

### **EPA Registration Number 1021-1723**

### **Differences between SDS and EPA (FIFRA Pesticide label):**

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-pesticides chemicals. The pesticide label also includes other important information, including directions for use. The hazard information required on the pesticide label is reproduced below.

Signal word: **WARNING**

### Precautionary Statements:

- Harmful if Swallowed
- Harmful if absorbed through the skin
- Causes moderate eye irritation
- Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

### International:

TSCA	Does not comply
DSL/NDSL	Does not comply
EINECS/ELINCS	Does not comply
ENCS	Does not comply
IECSC	Does not comply
KECL	Does not comply
PICCS	Does not comply
ACIS	Does not comply

### Legend:

**TSCA-** United States Toxic Substances Control Act section 8(b) Inventory

**DSL/NDSL-** Canadian Domestic substances List/Non-Domestic Substance List

**EINECS/ELINCS-** European Inventory of Existing chemical substances/European list of Notified Chemical Substances

**ENCS-** Japan Existing and New Chemical Substances

**IECSC-** China Inventory of Existing Chemical Substances

**KECL-** Korean Existing and Evaluated Chemical Substances

**PICCS-** Philippines Inventory of Chemical and Chemical Substances

**AICS-** Australian Inventory of Chemical Substances

## **SECTION 16: OTHER INFORMATION**

**NC Poison Control Center: 1-800-222-1222**

**FURTHER INFORMATION:** This SDS has been prepared in accordance with:

**DISCLAIMER:** The information provided in this Material Data Safety Sheet has been compiled, in good faith, from our experience and data presented in various technical publications. An MSDS for a substance is not primarily intended for use by the general consumer, focusing instead on the hazards of working with the material in an occupational setting. It is believed to be accurate and represents the best information currently available. HOWEVER, ESPREE NO WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR OF ANY OTHER TYPE, EXPRESSED OR IMPLIED, WITH RESPECT TO PRODUCTS DESCRIBED OR DATA OR INFORMATION PROVIDED, AND WE ASSUME NO LIABILITY RESULTING FROM THE USE OF SUCH PRODUCTS, DATA OR INFORMATION. Users should make their own investigations to determine the suitability of the information for their particular purposes, and the user assumes all risk arising from their use of the material. The user is required to comply with all laws and regulations relating to the purchase, use, storage and disposal of the material, and must be familiar with and follow generally accepted safe handling procedures. In no event shall Espree be liable for any claims, losses, or damages of any individual or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if Espree been advised of the possibility of such damages. We reserve the right to update MSDS sheets from time to time as new information becomes available. It is the responsibility of the user to verify that they have the latest revision available.

**Manufactured By/Contact Source for Additional Information**

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Espree Animal Products, Inc.	Phone Number: 800-328-1317
800 Industrial Blvd, #200	Fax Number: 817-251-6400
Grapevine, TX 76051	Email: customerservice@espree.com
United States of America	Preparer's Name: William Lindo