

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 Pet 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-Inhalation (Dusts/Mists) Category 4

Label Elements

Emergency Overview

WARNING

Hazard Statements

H332- Harmful if inhaled

H400- Very Toxic to aquatic life

H410- Very toxic to aquatic life with long lasting effects

H227- Combustible liquid



Appearance: Hazy -Yellow

Physical State: Liquid

Odor: Slight Solvent

Precautionary Statements-Prevention:

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

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

P210- Keep away from heat/sparks/open flames/hot surfaces. -No smoking

P280- Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response:

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

P370 + P378 - In case of fire: Use CO2, dry chemical, or foam for extinction

Precautionary Statements- Storage:

P403 + P235- Store in a well-ventilated place. Keep cool

Precautionary Statements- Disposal:

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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-%
Pyrethrins	8003-34-7	0.112
Permethrin	52645-53-1	0.100
MGK®-264 Insecticide Synergist (n-Octyl Bicycloheptene dicarboximide)	113-48-4	0.479
NYLAR® (Pyriproxyfen)	95797-68-1	0.125

*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 extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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

Hazards combustion products: Carbon monoxide, Carbon dioxide (CO₂).

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)

NFPA Health hazards **2** Flammability **1** Instability **0** Physical and Chemical Properties -

HMIS Health hazards **1** Flammability **1** Physical hazards **0** Personal Protection **X**

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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

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

Storage Conditions:

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.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH	Supplier OEL
Pyrethrins 8003-34-7	TWA: 5mg/m ³	TWA: 5mg/m ³ (vacated) TWA: 5mg/m ³	IDLH: 5000 mg/m ³ TWA: 5 mg/m ³	-

NIOSH IDLH Immediately Dangerous to Life or Health

Other Information: Vacated limits revoked by the Court of Appeals decision in AFL_CIO v. OSHA, 965 F.2d 962

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 in accordance with current local regulations.

EYE/FACE PROTECTION: Tight sealing safety goggles.

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

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



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SECTION 9: PHYSICAL/CHEMICAL PROPERTIES

Information on basic physical and chemical properties:

Physical State:	Liquid
Appearance:	Hazy-Yellow
Odor:	Slight Solvent
Odor threshold:	No information available
Color (Gardner Scale):	3.5

Property:	Values:	Comment: *Method
pH:	4.9	
Boiling Point / boiling range:	No information is available	
Melting point / boiling range:	No information is available	
Flash point:	>93.3 °C / >200.00 °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	10.2 cPs.	@22.5 °C
Refractive Index	1.3231	@25°C (77°F)

Other Information:

Density:	0.999 g/cm ³ @20.0 °C
VOC Content (%):	1.49

Miscibility/Solubility:

Water:	Miscible
Alcohol:	Miscible
Aromatic Solvents:	Immiscible
Petroleum distillates:	Immiscible

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 (CO₂).

SECTION 11: TOXICOLOGICAL INFORMATION

Numerical measures of toxicity- Production Information

Oral LD ₅₀	>5,000 mg/kg (rat)
Dermal LD ₅₀	>2,000 mg/kg (rabbit)
Inhalation LC ₅₀	>4.77 mg/L (rat; 4 hours)
Eye Contact	Non-irritating to eyes (rabbit)
Skin Contact	No irritation observed (rabbit)
Skin Irritation Index	0.0

Sensitization: Negative. (guinea pig)

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

Reproductive Toxicity: No information available.

Teratogenicity: No information available.

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Development Toxicity	No information available.
STOT- Single Exposure	No information available.
STOT – repeated exposure	No information available.
Chronic Toxicity:	Avoid repeated exposure

SECTION 12: ECOLOGICAL INFORMATION

Eco toxicity:

Persistence and degradability	No information available.
Bioaccumulation	No information available.
Chemical Name	Partition coefficient; n-Octanol/Water
Permethrin	
52645-53-1	6.5

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 Reginal 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 materials by the DOT quantities less than 666.7 Lbs.
	Shipping name for quantities more than 893 Lbs.
	UN3082, Environmentally hazardous substance, liquid, n.o.s., RQ (Pyrethrins), Class 9, Packing Group III

Air (IATA/ ICAO)

Proper Shipping Name:	Insecticides, Insect or Animal Repellent, liquid
Hazard Class:	Non-Hazardous

Vessel (IMO/IMDG) Not available

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

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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)

Chemical Name	CWA-Reportable Quantities	CWA-Toxic Pollutants	CWA-Priority Pollutants	CWA-Hazardous Substances
Pyrethins 8003-34-7	1Lbs	-	-	-

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

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ):
Pyrethins 8003-34-7	1Lbs	-	RQ 1lb final RQ RQ 0.454kg final RQ

US State Regulations:

California Proposition 65:

This product does not contain any Proposition 65 chemicals

U.S. EPA Label Information:

EPA Registration Number 1021-1726

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:

- Causes substantial but temporary eye injury.
- Causes skin irritation.
- Harmful if inhaled.

International:

TSCA	Complies
DSL/NDSL	Does not comply
EINECS/ELINCS	Complies
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

ACIS- 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:

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