

**SAFETY DATA SHEET**  
**Repel-XPe Emulsifiable Fly Spray**



**1. Product And Company Identification**

**Product Name:** Repel-XPe Emulsifiable Fly Spray  
**Product Use:** Insecticide, Pesticide

**Material Number(s):** EPA Registration Number: 270-325  
 Material Number: 100502321, 100512028, 100512027

**Responsible Party:** Farnam Companies, Inc.  
 1501 E. Woodfield Road, Suite 200W  
 Schaumburg, IL 60173

**Emergency Phone Number:** 1-800-234-2269 (Human or Animal Exposure)  
**Transportation Emergency:** 1-800-424-9300 (CHEMTREC) (US)  
 1-703-527-3887 (CHEMTREC: Outside US, Collect calls accepted)

**2. Hazards Identification**

**GHS/OSHA HazCom2012 Classification:**

<b>Physical:</b>	<b>Health:</b>
Flammable Liquid Category 4	Eye Damage Category 1 Skin Irritant Category 2 Skin Sensitizer Category 1 Aspiration Hazard category 1 Specific Target Organ Toxicity Single Exposure Category 3

**GHS/OSHA HazCom2012 Label Elements:**



Danger!

**Statements of Hazard**

Combustible Liquid  
 Causes serious eye damage.  
 Causes skin irritation.  
 May be fatal if swallowed and enters airways  
 May cause an allergic skin reaction  
 May cause drowsiness or dizziness.

**Precautionary Statements**

**Prevention**

**Precautionary Statements continued.**

**Response**

IF SWALLOWED: Immediately call a POISON CENTER or doctor.  
 Do NOT induce vomiting.  
 IF IN EYES: Rinse cautiously with water for several minutes.  
 Remove contact lenses, if present and easy to do. Continue rinsing.  
 Immediately call a POISON CENTER or doctor  
 IF ON SKIN: Wash with plenty of soap and water. If skin irritation  
 or rash occurs: Get medical attention.  
 IF INHALED: Remove person to fresh air and keep comfortable for

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Keep away from flames and hot surfaces. No smoking.

Avoid breathing mist, vapors or spray.

Use only outdoors or in a well-ventilated area.

**Prevention Continued**

Contaminated work clothing must not be allowed out of the workplace.

Wash thoroughly after handling.

Wear protective gloves, eye protection, and face protection.

breathing.

Call a POISON CENTER or doctor if you feel unwell.

In case of fire: Use foam, Carbon dioxide, or water fog to extinguish.

Take off contaminated clothing and wash it before reuse.

**Storage**

Store in a well-ventilated place. Keep cool.

Store locked up.

**Disposal**

Dispose of contents and container in accordance with local and national regulations.

**Hazards not otherwise specified:** None

**3. Composition/Information on Ingredients**

Component	CAS No.	Amount
Pine Oil	8002-09-3	30-50%
Kerosene	8008-20-6	30-40%
Petroleum distillates light paraffinic	64741-89-5	10-20%
Petroleum distillates, heavy paraffinic	64741-88-4	1-15%
Dodecylphenol ethoxylate	9014-92-0	5-10%
Piperonyl Butoxide	51-03-6	1.0%
Prallethrin	23031-36-9	0.27%

**The exact concentrations are a trade secret.**

**4. First Aid Measures**

**Inhalation:** If irritation or other symptoms develop, remove to fresh air. Seek medical attention if symptoms persist.

**Skin Contact:** Wash skin with soap and water. Seek medical attention if irritation or rash develops.

**Eye Contact:** Flush eyes with large quantities of water for 20 minutes, holding the eyelids apart. Get immediate medical attention.

**Ingestion:** DO NOT induce vomiting. If the victim is fully conscious, have them rinse their mouth with water. Get medical assistance by calling a doctor or poison center. Never give anything by mouth to a person who is unconscious or drowsy.

**Most Important Symptoms:** Causes serious eye irritation with possible damage. Causes skin irritation. May cause an allergic skin reaction. Inhalation of mists or vapors may cause central nervous system effects such as dizziness, drowsiness, headache and nausea. Aspiration hazard – may enter the lungs during swallowing or vomiting and cause serious lung damage, which may be fatal. Ingestion may also cause gastrointestinal effects such as nausea, vomiting and diarrhea and central nervous system effects.

**Indication of Immediate Medical Attention/Special Treatment:** Immediate medical treatment is required for ingestions which may result in an aspiration hazard. Material may enter the lungs during swallowing or vomiting and cause serious lung damage, which may be fatal. Immediate medical treatment is required for eye contact.

**5. Firefighting Measures**

**Suitable (and Unsuitable) Extinguishing Media:** Use water fog, foam, carbon dioxide or dry chemical. Cool fire exposed containers with water.

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**Specific Hazards Arising From the Chemical:** Combustible liquid and vapor. Vapors may accumulate in confined areas and present a fire or explosion hazard. Vapors may be heavier than air and travel along surfaces to remote ignition sources. Closed containers may rupture if exposed to extreme heat. Burning may produce carbon monoxide and carbon dioxide, and unburned hydrocarbons.

**Special Fire Fighting Procedures** Firefighters should always wear positive pressure self-contained breathing apparatus and full protective clothing. Cool fire-exposed containers with water.

### 6: Accidental Release Measures

**Personal Precautions, Protective Equipment, and Emergency Procedures:** Avoid contact with eyes, skin and clothing. Eliminate all sources of ignition. Ventilate area with explosion proof equipment. Wear appropriate protective clothing and equipment as described in Section 8.

**Methods and Materials for Containment / Cleanup:** Absorb with an inert material. Collect into a suitable container for disposal. Prevent entry in storm sewers and waterways. Report spill as required by local and national regulations.

### 7. Handling and Storage

**Precautions for Safe Handling:** Prevent contact with eyes. Avoid contact with skin and clothing. Avoid breathing vapors and mists. Wash exposed skin thoroughly with soap and water after use. Keep containers closed when not in use. Do not permit smoking in use or storage areas. Keep out of the reach of children. Refer to product label for proper conditions of use.

Do not reuse or refill empty containers.

**Conditions for Safe Storage, Including Any Incompatibilities:** Do not contaminate water, food or feed by storage or disposal. Store in original container in a cool dry place, inaccessible to children and pets. If a leaky container must be contained within another, mark the outer container to identify the contents. Store pesticides away from food, pet food, seed, fertilizers, and veterinary supplies. Do not store near heat or open flame.

### 8. Exposure Controls / Personal Protection

#### Exposure Guidelines:

CHEMICAL	EXPOSURE LIMIT
Pine Oil	None Established
Kerosene (as total hydrocarbon vapor)	200 mg/m <sup>3</sup> TWA ACGIH TLV (Skin)
Petroleum distillates light paraffinic (as mineral oil)	5 mg/m <sup>3</sup> TWA ACGIH TLV (Inhalable) 5 mg/m <sup>3</sup> TWA OSHA PEL (as oil mist)
Petroleum distillates, heavy paraffinic	None Established
Dodecylphenol ethoxylate	None Established
Piperonyl Butoxide	None Established
Prallethrin	None Established

**Appropriate Engineering Controls:** General ventilation should be adequate for normal use.

#### Personal Protective Equipment

**Respiratory Protection:** None required under normal use conditions. If exposures are excessive, wear an approved dust / mist respirator. Selection of respiratory protection depends on the contaminant type, form and concentration. Select and use in accordance with all applicable regulations (in the US follow OSHA 1910.134) and good Industrial Hygiene practice.

**Gloves:** Wear protective gloves to avoid skin contact.

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**Eye Protection:** Wear chemical goggles.

**Other Protective Equipment/Clothing:** Appropriate protective clothing as needed to avoid skin contact.

**9. Physical and Chemical Properties**

**Appearance and Odor:** Clear, light yellow liquid with a sweet pine odor.

<b>Physical State:</b> Liquid	<b>Odor Threshold:</b> Not determined
<b>pH:</b> 6.53 (5% aq. solution)	<b>Specific Gravity:</b> 0.864
<b>Initial Boiling Point/Range:</b> 82.2°C (180°F)	<b>Vapor Pressure:</b> Not determined
<b>Melting/Freezing Point:</b> Not determined	<b>Vapor Density:</b> Not determined
<b>Solubility In Water:</b> Not determined	<b>Percent Volatile:</b> Not determined
<b>Viscosity:</b> <50 cps @ 23°C	<b>Evaporation Rate:</b> Not determined
<b>Coefficient Of Water/Oil Distribution:</b> Not determined	<b>VOC Content:</b> Not available
<b>Flash Point:</b> 69.4°C (157°F)	<b>Autoignition Temp:</b> Not Determined
<b>Decomposition Temperature:</b> Not determined	<b>Flammability (solid, gas):</b> Not applicable
<b>Flammability Limits:</b> LEL: Not Determined	UEL: Not Determined

**10. Stability and Reactivity**

**Reactivity:** Not normally reactive.

**Chemical Stability:** Stable under normal storage and handling conditions.

**Possibility of Hazardous Reactions:** Can react with strong bases, acids and oxidizers.

**Conditions to Avoid:** Keep away from excessive heat, open flames, and ignition sources.

**Incompatible Materials:** Strong oxidizing agents, strong bases and acids.

**Hazardous Decomposition Products:** Thermal decomposition may release carbon monoxide and carbon dioxide, and unburned hydrocarbons.

**11. Toxicological Information**

**Acute Hazards:**

**Inhalation:** Mist and vapors may cause mild irritation. Inhalation of mists or vapors may cause central nervous system effects such as dizziness, drowsiness, headache and nausea.

**Skin Contact:** Causes irritation. May cause allergic skin reaction.

**Eye Contact:** Causes severe irritation with the possibility of eye damage.

**Ingestion:** Aspiration hazard – may enter the lungs during swallowing or vomiting and cause serious lung damage, which may be fatal. Ingestion may also cause gastrointestinal effects such as nausea, vomiting and diarrhea and central nervous system effects with symptoms of drowsiness, headache, dizziness and unconsciousness.

**Chronic Hazards:** None currently known.

**Carcinogen:** None of the components is listed as a carcinogen or potential carcinogen by IARC, NTP, ACGIH or OSHA.

**Acute Toxicity Values:**

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Product ATE: LD50: Oral > 5,000 mg/kg  
LD50: Dermal > 2,000 mg/kg  
LC50: Inhalation > 5 mg/l

Pine Oil: Not acutely toxic

Kerosene: LD50 Oral rat: 15,000 mg/kg  
LD50 Dermal rabbit: >2,000 mg/kg  
LC50 Inhalation rat: 5.28 mg/L/4 hr.

Petroleum distillates light paraffinic:  
LD50 Oral rat: >5,000 mg/kg  
LD50 Dermal rabbit: >2,000 mg/kg

Petroleum distillates, heavy paraffinic:  
LD50 Oral rat: >5,000 mg/kg  
LD50 Dermal rabbit: >2,000 mg/kg

Dodecylphenol ethoxylate:  
LD50 Oral rat: 1.87 mL/kg  
LD50 Dermal rabbit: 1.11 mL/kg

Piperonyl Butoxide:  
LD50 Oral rat >2,000 mg/kg.  
LD50 Dermal rat >2,000 mg/kg  
LC50 Inhalation rat 5.2 mg/l / 4 hr.

Prallethrin: LD50 Oral rat: 3,900 mg/kg  
LD50 Dermal rat: 1,370 mg/kg  
LC50 Inhalation rat: 0.34 mg/L/4 hr.

<b>12. Ecological Information</b>
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Toxic to aquatic life with long lasting effects.

**Ecotoxicity:**

Pine Oil: EC50: Daphnia magna (Water flea) 17-28 mg/L/ 48 hr.

Kerosene: LC50: Fish 1-20 mg/L/ 96 hr.  
EC50: Daphnia magna (Water flea) 1-20 mg/L/ 48 hr.

Dodecylphenol ethoxylate:  
Fish LC50 Fathead minnow (Pimephales promelas) 73 - 96 mg/L/96 hr.

Piperonyl Butoxide:  
LC50: Oncorhynchus mykiss (Rainbow trout) 7.07 mg/L/ 96 hr.  
EC50: Daphnia magna (Water flea) 18 mg/L/ 48 hr.

**Persistence and Degradability:**

No data for product.

**Bio accumulative Potential:**

No data for product.

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**Mobility in Soil:**

No data for product.

**Other Adverse Effects:** This product is toxic to aquatic organisms, including fish and invertebrates. Do not contaminate water when disposing of equipment, wash-water, or rinsate. See Directions for Use for additional precautions and requirements.

**13. Disposal Considerations**

**Waste Treatment Methods:** Dispose of contents/container in accordance with all local and national regulations.

**PESTICIDE DISPOSAL AND CONTAINER:** Non-refillable container. Do not reuse or refill this container. **If Empty:** Place in trash or offer for recycling if available. **If Partially Filled:** Call local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

**14. Transport Information**

**DOT Hazardous Materials Description:** Not regulated in non-bulk containers. The following applies to bulk packages.

Proper Shipping Name: Combustible Liquids

UN Number: NA 1993

Hazard Class/Packing Group: III

Labels Required: None

**IMDG Dangerous Goods Description:**

Proper Shipping Name: Environmentally Hazardous Substance, Liquid, n.o.s. (Kerosene)

UN Number: UN 3082

Hazard Class/Packing Group: 9, III

Labels Required: Class 9

**15. Regulatory Information**

**United States:**

**US EPA Regulation on Pesticides:**

This product is an EPA registered pesticide. EPA Registration No. **270-325**.

**This product can only be used commercially in the EPA registered application(s) noted on the product label:**

**PRECAUTIONARY STATEMENTS**

**Hazards to Humans and Domestic Animals**

**CAUTION: Humans:** Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. **Animals:** Avoid contact with eyes, or mucous membranes. Do not treat foals under 12 weeks of age unless prescribed by a veterinarian.

**Environmental Hazards:** This product is toxic to aquatic organisms, including fish and invertebrates. Do not contaminate water when disposing of equipment, wash-water, or rinsate. See Directions for Use for additional precautions and requirements.

**Physical or Chemical Hazards:** Do not use or store near heat or open flame.

**CERCLA Section 103:** This product has no RQ. Oil spills must be reported to the National Response Center. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

**SARA Hazard Category (311/312):** Fire hazard, Acute Health.

**SARA 313:** This product contains the following chemicals subject to Annual Release Reporting Requirements under SARA Title III, Section 313 (40 CFR 372):

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Piperonyl Butoxide

CAS#: 51-03-06

1.0%

**EPA TSCA Inventory:**

This product is a pesticide and not subject to TSCA.

<b>16. Other Information</b>
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**NFPA Rating (NFPA 704):**

Health: 3

Fire: 2

Instability: 0

**HMIS Rating:**

Health: 3

Fire: 2

Physical Hazard: 0

**Date of current revision:**

September 21, 2016

**Revision summary:**

New SDS

**Date of previous revision:**

N/A

**Disclaimer/Statement of Liability:**

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