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# MATERIAL SAFETY DATA SHEET

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## SECTION 1. Product and Company Identification REPEL X INSECTICIDE & REPELLENT READY TO USE

**Product Code:** 270-294  
**Product Name:** REPEL X INSECTICIDE & REPELLENT READY TO USE  
**Manufacturer Information**  
**Company Name:** Distributed by:  
 Farnam Companies, Inc.  
 301 West Osborn Road  
 Phoenix, AZ  
**Emergency Contact:** CHEMTREC (800)424-9300  
**Alternate Emergency Contact:** District of Columbia (202)483-0414  
**Information:** Farnam Companies, Inc. (800)234-2269  
**Chemical Family:** compound  
**Additional Identity Information**  
 10330 32-oz, 10333 128-oz

## SECTION 2. Composition/Information on Ingredients REPEL X INSECTICIDE & REPELLENT READY TO USE

Hazardous Components (Chemical Name)	CAS #	Concentration	OSHA PEL	ACGIH TLV
Pyrethrins and Pyrethroids	8003-34-7	0.05 %	No data.	No data.
Piperonyl butoxide	51-03-6	0.5 %	No data.	No data.
Permethrin	52645-53-1	0.1 %	No data.	No data.

## SECTION 3. Hazards Identification REPEL X INSECTICIDE & REPELLENT READY TO USE

### Emergency Overview

KEEP OUT OF REACH OF CHILDREN

**Route(s) of Entry:** Inhalation? Yes , Skin? Yes , Eyes? Yes , Ingestion? Yes

### Potential Health Effects (Acute and Chronic)

Harmful if swallowed, inhaled, or absorbed through skin. Avoid breathing spray mist. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

### LD 50 / LC 50

oral>5g/kg; dermal>2g/kg; LC50>3.55mg/l.

**Signs and Symptoms Of Exposure**

None known

**Medical Conditions Generally Aggravated By Exposure**

None known

<b>SECTION 4. First Aid Measures</b> <b>REPEL X INSECTICIDE &amp; REPELLENT READY TO USE</b>
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**Emergency and First Aid Procedures**

IF SWALLOWED: Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.

IF INHALED: Remove affected person to fresh air. Apply artificial respiration if indicated. Get medical attention if irritation persists.

IF IN EYES: Immediately flush eyes with plenty of water. Get medical attention if irritation persists.

IF ON SKIN: Remove contaminated clothing and wash affected areas with soap and water. Get medical attention if irritation persists.

<b>SECTION 5. Fire Fighting Measures</b> <b>REPEL X INSECTICIDE &amp; REPELLENT READY TO USE</b>
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**Flash Pt:** 150.00 F

**Explosive Limits:** LEL: No data. UEL: No data.

**Autoignition Pt:** NA

**Fire Fighting Instructions**

None

**Flammable Properties and Hazards**

None known

**Hazardous Combustion Products**

None known

**Extinguishing Media**

Not combustible over 97% water

**Unsuitable Extinguishing Media**

None known

<b>SECTION 6. Accidental Release Measures</b> <b>REPEL X INSECTICIDE &amp; REPELLENT READY TO USE</b>
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**Steps To Be Taken In Case Material Is Released Or Spilled**

Soak up with absorbent material such as sand or sawdust and discard with chemical waste.

<b>SECTION 7. Handling and Storage</b> <b>REPEL X INSECTICIDE &amp; REPELLENT READY TO USE</b>
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**Hazard Label Information:**

Do not use/store near heat/open flame    Store in cool, dry area

**Precautions To Be Taken in Handling**

Avoid breathing spray mist. Avoid contact with eyes, skin or clothing. Harmful if swallowed.

**Precautions To Be Taken in Storing**

Store in a cool, dry place. Do not store near heat or open flame.

**Other Precautions**

KEEP OUT OF REACH OF CHILDREN For animal use only. Avoid contamination of food and foodstuffs.

<b>SECTION 8. Exposure Controls/Personal Protection</b> <b>REPEL X INSECTICIDE &amp; REPELLENT READY TO USE</b>
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**Respiratory Equipment (Specify Type)**

No data available.

**Eye Protection**

No data available.

**Protective Gloves**

No data available.

**Engineering Controls (Ventilation etc.)**

Local exhaust is sufficient

**Work/Hygienic/Maintenance Practices**

Wash hands before eating, smoking or using restroom.

<b>SECTION 9. Physical and Chemical Properties</b> <b>REPEL X INSECTICIDE &amp; REPELLENT READY TO USE</b>
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<b>Physical States:</b>	[ ] Gas	[ X ] Liquid	[ ] Solid
<b>Melting Point:</b>	NA		
<b>Boiling Point:</b>	100.00 C		
<b>Autoignition Pt:</b>	NA		
<b>Flash Pt:</b>	150.00 F		
<b>Explosive Limits:</b>	LEL: No data.		UEL: No data.
<b>Specific Gravity (Water = 1):</b>	1.4760. at 25.0 F		
<b>Density:</b>	NA		
<b>Bulk density:</b>	NA		
<b>Vapor Pressure (vs. Air or mm Hg):</b>	NA		
<b>Vapor Density (vs. Air = 1):</b>	NA		
<b>Evaporation Rate (vs Butyl Acetate=1):</b>	NA		
<b>Solubility in Water:</b>	No data.		
<b>Solubility Notes</b>	Soluble		
<b>Percent Volatile:</b>	N.A.		
<b>Saturated Vapor Concentration:</b>	NA		
<b>Viscosity:</b>	NA		
<b>Heat Value:</b>	NA		
<b>Particle Size:</b>	NA		
<b>Corrosion Rate:</b>	NA		

**pH:** 7.0

**Appearance and Odor**

Light amber to clear, slight oily with citronella scent

**SECTION 10. Stability and Reactivity**  
**REPEL X INSECTICIDE & REPELLENT READY TO USE**

**Stability:** Unstable [  ] Stable [  ]

**Conditions To Avoid - Instability**

No data available.

**Incompatibility - Materials To Avoid**

No data available.

**Hazardous Decomposition Or Byproducts**

None known

**Hazardous Polymerization:** Will occur [  ] Will not occur [  ]

**Conditions To Avoid - Hazardous Polymerization**

No data available.

**SECTION 11. Toxicological Information**  
**REPEL X INSECTICIDE & REPELLENT READY TO USE**

No data available

**Carcinogenicity/Other Information**

No data available.

Hazardous Components (Chemical Name)	CAS #	NTP	IARC	ACGIH	OSHA
Pyrethrins and Pyrethroids	8003-34-7	n.a.	n.a.	A4	n.a.
Piperonyl butoxide	51-03-6	n.a.	n.a.	n.a.	n.a.
Permethrin	52645-53-1	n.a.	n.a.	n.a.	n.a.

**Carcinogenicity:** NTP? Unknown IARC Monographs? Unknown OSHA  
Regulated? Unknown

**SECTION 12. Ecological Information**  
**REPEL X INSECTICIDE & REPELLENT READY TO USE**

This product is extremely toxic to fish. Do not apply directly to any body of water. Do not contaminate water when disposing of equipment washwaters.

**SECTION 13. Disposal Considerations**  
**REPEL X INSECTICIDE & REPELLENT READY TO USE**

**Waste Disposal Method**

Securely wrap original container in several layers of newspaper and discard in trash. Do not reuse empty container.

**SECTION 14. Transport Information**

**REPEL X INSECTICIDE & REPELLENT READY TO USE****LAND TRANSPORT (US  
DOT)**

**DOT Proper Shipping Name** Not regulated by U.S. DOT.

**DOT Hazard Label:** None

**SECTION 15. Regulatory Information  
REPEL X INSECTICIDE & REPELLENT READY TO USE**

No data available.

**SECTION 16. Other Information  
REPEL X INSECTICIDE & REPELLENT READY TO USE****Company Policy or Disclaimer**

The information and data herein are believed to be accurate and have been compiled from sources believed to be reliable. It is offered for your consideration, investigation and verification.

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