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# MATERIAL SAFETY DATA SHEET

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## SECTION 1. Product and Company Identification REPEL X LOTION

**Product Code:** 270-253  
**Product Name:** REPEL X LOTION  
**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**  
 19902 40-oz, 19903 8-oz

## SECTION 2. Composition/Information on Ingredients REPEL X LOTION

Hazardous Components (Chemical Name)	CAS #	Concentration	OSHA PEL	ACGIH TLV
Cypermethrin	52315-07-8	0.15 %	No data.	No data.
Pyrethrins and Pyrethroids	8003-34-7	0.2 %	No data.	No data.
Piperonyl butoxide	51-03-6	1.63 %	No data.	No data.
BUTOXY POLYPROPYLENE GLYCOL	9003-13-8	4.85 %	No data.	No data.
Dipropyl isocinchomeronate	136-45-8	0.5 %	No data.	No data.

## SECTION 3. Hazards Identification REPEL X LOTION

### Emergency Overview

KEEP OUT OF REACH OF CHILDREN

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

### Potential Health Effects (Acute and Chronic)

May be irritating to eyes and mucous membranes. Harmful if absorbed through skin or inhaled. Contact

with this product may cause transitory tingling sensation. Avoid contact with skin, eyes or clothing. Avoid breathing vapors, sprays or mists. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, using the toilet, etc.. Remove contaminated clothing and wash before reuse.

#### **Recommended Exposure Limits**

NE

**LD 50 / LC 50**

NE

#### **Signs and Symptoms Of Exposure**

NE

#### **Medical Conditions Generally Aggravated By Exposure**

NE

### SECTION 4. First Aid Measures REPEL X LOTION

#### **Emergency and First Aid Procedures**

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

**IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

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

**IF SWALLOWED:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

### SECTION 5. Fire Fighting Measures REPEL X LOTION

**Flash Pt:** NA

**Explosive Limits:** LEL: NE UEL: NE

**Autoignition Pt:** NA

#### **Fire Fighting Instructions**

Do not contaminate water by cleaning of equipment. Fight pesticide fires from upwind. Use SCBA. Dike area to prevent run off into sewers and waterways.

#### **Flammable Properties and Hazards**

Water spray may increase area of contamination. Equipment and materials used to fight pesticide fires may require decontamination before reuse. Spills may be slippery.

#### **Hazardous Combustion Products**

None known

#### **Extinguishing Media**

CO2, Foam.

#### **Unsuitable Extinguishing Media**

None known

## SECTION 6. Accidental Release Measures REPEL X LOTION

### Steps To Be Taken In Case Material Is Released Or Spilled

Soak spill in dry carrier such as sawdust and shovel into disposal containers. Rinse area with water and detergent, absorbing detergent into dry carrier and shoveling into disposal containers.

## SECTION 7. Handling and Storage REPEL X LOTION

### Hazard Label Information:

Store in cool, dry area    Avoid breathing vapor.

### Precautions To Be Taken in Handling

Avoid contact with eyes or mucous membranes. Avoid contact with skin or clothing. Wash hands with soap and water after use.

### Precautions To Be Taken in Storing

Store in cool, dry place inaccessible to children.

### Other Precautions

KEEP OUT OF REACH OF CHILDREN. Keep out of water sources.

### Additional Handling/Storage Information

Do not contaminate water, food or feed by storage or disposal.

## SECTION 8. Exposure Controls/Personal Protection REPEL X LOTION

### Protective Equipment Summary - Hazard Label Information:

Neoprene gloves    Goggles or face shield

### Respiratory Equipment (Specify Type)

Self contained breathing apparatus for fire-fighting

### Eye Protection

goggles or face shield

### Protective Gloves

Neoprene gloves

### Engineering Controls (Ventilation etc.)

Local Exhaust: sufficient

Special:

Mechanical (Gen):

Other:

### Work/Hygienic/Maintenance Practices

Wash hands before eating, smoking or using restroom.

## SECTION 9. Physical and Chemical Properties REPEL X LOTION

**Physical States:**                     Gas     Liquid     Solid

**Melting Point:**                    N.A.

**Boiling Point:**                    N.A.

**Autoignition Pt:** NA  
**Flash Pt:** NA  
**Explosive Limits:** LEL: NE UEL: NE  
**Specific Gravity (Water = 1):** 1.015 at 20.0 C  
**Bulk density:** No data.  
**Vapor Pressure (vs. Air or mm Hg):** N.A.  
**Vapor Density (vs. Air = 1):** N.A.  
**Evaporation Rate (vs Butyl Acetate=1):** N.A.  
**Solubility in Water:** No data.  
**Solubility Notes**  
miscible  
**Percent Volatile:** N.A.  
**Heat Value:** No data.  
**Particle Size:** No data.  
**Corrosion Rate:** No data.  
**pH:** 5.7

**Appearance and Odor**

A viscous off white, yellow suspension, without agglomerates, with floral odor.

<b>SECTION 10. Stability and Reactivity</b> <b>REPEL X LOTION</b>
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**Stability:** Unstable [  ] Stable [  ]

**Conditions To Avoid - Instability**

Heat, Sunlight.

**Incompatibility - Materials To Avoid**

Oxidizers.

**Hazardous Decomposition Or Byproducts**

HCl, CO, CO<sub>2</sub>.

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

**Conditions To Avoid - Hazardous Polymerization**

Will not occur

<b>SECTION 11. Toxicological Information</b> <b>REPEL X LOTION</b>
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No data available

**Carcinogenicity/Other Information**

NE

Hazardous Components (Chemical Name)	CAS #	NTP	IARC	ACGIH	OSHA
Cypermethrin	52315-07-8	n.a.	n.a.	n.a.	n.a.
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.

BUTOXY POLYPROPYLENE GLYCOL	9003-13-8	n.a.	n.a.	n.a.	n.a.
Dipropyl isocinchomeronate	136-45-8	n.a.	n.a.	n.a.	n.a.

**Carcinogenicity:** NTP? No IARC Monographs? No OSHA Regulated? No

### SECTION 12. Ecological Information REPEL X LOTION

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

### SECTION 13. Disposal Considerations REPEL X LOTION

#### Waste Disposal Method

Dispose of according to Federal, State and local regulations. This product is toxic to fish. Keep out of lakes, streams and ponds. Do not contaminate water by cleaning of equipment or disposal of wastes.

### SECTION 14. Transport Information REPEL X LOTION

#### LAND TRANSPORT (US DOT)

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

**DOT Hazard Label:** None

### SECTION 15. Regulatory Information REPEL X LOTION

No data available.

### SECTION 16. Other Information REPEL X LOTION

#### 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.