

MATERIAL SAFETY DATA SHEET

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SECTION 1. Product and Company Identification REPEL II DOG & CAT REPELLENT GRANULES

Product Code: 45987-1-270
Product Name: REPEL II DOG & CAT REPELLENT GRANULES
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
Additional Identity Information
8458 2-lb

SECTION 2. Composition/Information on Ingredients REPEL II DOG & CAT REPELLENT GRANULES

Hazardous Components (Chemical Name)	CAS #	Concentration	OSHA PEL	ACGIH TLV
d-Limonene	5989-29-5	4.015 %	No data.	No data.
2(3h)-Furanone, Dihydro-5-pentyl-	104-61-0	0.024 %	No data.	No data.
2(3H)-Furanone, 5-Heptyldihydro-	104-67-6	0.049 %	No data.	No data.

SECTION 3. Hazards Identification REPEL II DOG & CAT REPELLENT GRANULES

Emergency Overview

No data available.

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

Potential Health Effects (Acute and Chronic)

No data available.

Signs and Symptoms Of Exposure

May cause irritation to the eye, skin, and respiratory tract. May cause abdominal cramps and diarrhea

SECTION 4. First Aid Measures REPEL II DOG & CAT REPELLENT GRANULES

Emergency and First Aid Procedures

INHALAEION: Remove to fresh air. Consult a physician.

SKIN: Immediately flush skin with plenty of water. Remove clothing. Get medical attention immediately. Wash clothing separately before reuse.

EYES: Flush eye with water for 15 minutes. Get medical attention.

INGESTION: Do not induce vomiting. Get immediate medical attention.

SECTION 5. Fire Fighting Measures REPEL II DOG & CAT REPELLENT GRANULES

Flash Pt: NA

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

Autoignition Pt: N.A.

Fire Fighting Instructions

Self-contained breathing apparatus and full protection equipment are recommended for fire fighters.

Flammable Properties and Hazards

Not flammable

Hazardous Combustion Products

None known

Extinguishing Media

Water, carbon dioxide or foam

Unsuitable Extinguishing Media

No data available.

SECTION 6. Accidental Release Measures REPEL II DOG & CAT REPELLENT GRANULES

Steps To Be Taken In Case Material Is Released Or Spilled

Carefully scoop up loose material & place it in appropriate containers so as to avoid dust generation. Stand upwind if possible. Do not flush material to public sewer systems or any waterways.

SECTION 7. Handling and Storage REPEL II DOG & CAT REPELLENT GRANULES

Precautions To Be Taken in Handling

Avoid breathing mist or vapor. Keep away from food, feed, and domestic water supplies. Keep away from heat or open flame. Wash thoroughly after handling. Keep out of the reach of children. Do not swallow. Do not get in eyes, on skin or clothing.

SECTION 8. Exposure Controls/Personal Protection REPEL II DOG & CAT REPELLENT GRANULES

Respiratory Equipment (Specify Type)

A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide

Eye Protection

Chemical goggles

Protective Gloves

No data available.

Other Protective Clothing

Use protective clothing impervious to this material.

Engineering Controls (Ventilation etc.)

Use only with adequate ventilation.

SECTION 9. Physical and Chemical Properties REPEL II DOG & CAT REPELLENT GRANULES
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Physical States:	[] Gas	[] Liquid	[X] Solid
Melting Point:	N.A.		
Boiling Point:	N.A.		
Autoignition Pt:	N.A.		
Flash Pt:	NA		
Explosive Limits:	LEL: No data.		UEL: No data.
Specific Gravity (Water = 1):	N.A.		
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:	N.A.		
Solubility Notes	Insoluable in H2O		
Percent Volatile:	No data.		
Heat Value:	No data.		
Particle Size:	No data.		
Corrosion Rate:	No data.		
pH:	No data.		
Appearance and Odor	Off-white to light brown granules. Citrus odor.		

SECTION 10. Stability and Reactivity REPEL II DOG & CAT REPELLENT GRANULES

Stability:	Unstable []	Stable [X]
Conditions To Avoid - Instability	N/A	
Incompatibility - Materials To Avoid	N/A	
Hazardous Decomposition Or Byproducts	None known	

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

Conditions To Avoid - Hazardous Polymerization

None known

SECTION 11. Toxicological Information
REPEL II DOG & CAT REPELLENT GRANULES

No data available.

Carcinogenicity/Other Information

No data available.

Hazardous Components (Chemical Name)	CAS #	NTP	IARC	ACGIH	OSHA
d-Limonene	5989-29-5	n.a.	n.a.	n.a.	n.a.
2(3h)-Furanone, Dihydro-5-pentyl-	104-61-0	n.a.	n.a.	n.a.	n.a.
2(3H)-Furanone, 5-Heptyldihydro-	104-67-6	n.a.	n.a.	n.a.	n.a.

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

SECTION 12. Ecological Information
REPEL II DOG & CAT REPELLENT GRANULES

No data available.

SECTION 13. Disposal Considerations
REPEL II DOG & CAT REPELLENT GRANULES

Waste Disposal Method

Do not contaminate food, feed, or water by storage or disposal. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal law. Use according to label instructions, otherwise, contact your State or Federal Environmental control agency for disposal guidance.

SECTION 14. Transport Information
REPEL II DOG & CAT REPELLENT GRANULES

LAND TRANSPORT (US DOT)

DOT Proper Shipping Name No data available.

SECTION 15. Regulatory Information
REPEL II DOG & CAT REPELLENT GRANULES

No data available.

SECTION 16. Other Information
REPEL II DOG & CAT REPELLENT GRANULES

Florasynth Inc., RHO D BAN 520N, MSDS: dated 11-01-89.
Penreco, Parol 70, MSDS: 000205, dated 12-04-90.

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.
