

Safety Data Sheet for

Plant Pro-Tec Gopher & Mole Repellents

Section 1: Chemical Product and Company Identification

Product Name: Plant Pro-Tec Gopher & Mole Repellent

CAS#: Not available

RTECS: Not available

Cl#: Not available

Contact Information:

Plant Pro-Tec, LLC

P.O. Box 902

Palo Cedro, California 96073, USA

CHEMTREC (24 HR Emergency Telephone)

1-530-547-4767

International CHEMTREC call: 1-530-547-4767

For non-emergency assistance call:

1-800-572-0055

Section 2: Hazard Identification

The repelling formulation is a mixture of garlic oil and hydrogenated soybean oil. Garlic oil is the active ingredient in the formulation and the hydrogenated soybean oil is the inert ingredient. The repelling formulation meets the requirements to be classed as a Minimum Risk Pesticide under section 25(b) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA).

Hazardous Materials Identification System (HMIS) classification for components of the Repelling Formulation:

- Garlic oil — Health (2); Fire (2); Reactivity (O); Personal Protection (H)
- Soybean oil (hydrogenated) — Health (2); Fire (2); Reactivity (O); Personal Protection (A)

Health (2) — Temporary or minor injury may occur.

Fire (2) — Materials which must be moderately heated or exposed to high ambient temperatures before ignition will occur. Includes liquids having a flashpoint at or above 100⁰F but below 200⁰

Reactivity — Materials that are normally stable even under fire conditions and will not react with water, polymerize, decompose, condense or self-react. Non-explosives.

Personal Protection — (O) Unlike the information taken from the MSDS and I-IMIS the Personal Protection is O because the user of Plant Pro-Tec Repellents never comes into contact with the Repelling Formulation. The only way the formulation can escape the Repellent is for someone to deliberately cut the Repellent open.

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Potential Acute Health Effects:

Garlic oil: Hazardous in case of skin contact (Irritant), of eye contact (Irritant).

Soybean oil (hydrogenated): Slightly hazardous in case of skin contact (Irritant), of eye contact (Irritant).

Potential Chronic Health Effects:

Garlic oil and Soybean oil (hydrogenated): Carcinogenic Effects: not available; Mutagenic Effects: not available; Teratogenic Effects: not available; Developmental Toxicity: not available. Repeated or prolonged exposure is not known to aggravate medical condition.

(Information in this section taken from SDSs for Garlic oil and Soybean oil (hydrogenated)).

Section 3: Composition and Information on Ingredients

Note: The physical data are for the repelling formulation. The repelling formulation is contained within the test tuber shape polypropylene body of the Plant Pro-Tec Gopher & Mole Repellent during storage, transport, and after the repellent is activated by removing a rubber stopper. When activated only the repelling odor is released into the environment. If the repelling formulation is purposely released or when the plastic body biodegrades, it is only 0.6 ml per Repellent.

Composition of Repelling Formulation

<u>Name</u>	<u>CAS#</u>	<u>% by Weight</u>
Garlic oil	8000-78-0	10
<u>Soybean oil (hydrogenated)</u>	<u>8016-70-4</u>	<u>90</u>
	Total	100

Toxicological Data on ingredients: Not applicable

Section 4: First Aid Measures

Note: The repelling formulation remains within the Plant Pro-Tec device, even when activated. Therefore, the chance of someone coming in contact with the repelling formulation is minimal. If the formulation from a repellent gets on someone:

Eye contact: Check for and remove contact lenses. Do not use eye ointment. Seek medical attention.

Skin contact: Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, and creases. Cover the irritated skin with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.

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Inhalation: If someone somehow gets the repelling formulation on themselves, after washing area allow victim to rest in a well ventilated area.

Ingestion: Do not induce vomiting.

Section 5: Fire and Explosive Data

Flammability of the product: Flammable

Auto-ignition Temperature: 445° C (833°F)

Flash point: closed cup: 46° C (114.8°F)

Flammable Limits: Not available

Products of Combustion: Not available

Fire Hazards in Presence of Various Substances: Not available

Explosive Hazards in Presence of Various substances:

Risks of explosion of the product in presence of mechanical impact: Not available

Risks of explosion of the product in presence of static discharge: Not available

Fire Fighting Media and Instructions: Flammable liquid — small fire: use Dry chemical powder; large fire: use alcohol foam, water spray, fog, or foam. A water spray may cause a flare-up if sprayed on a hot fire this is momentary and if a water spray is continued, the fire will be extinguished. A flare-up will not occur with other extinguishing media.

Special Remarks of Fire Hazards: Not available

Special Remarks on Explosion Hazards: Not available

Section 6: Accidental Release Measures

Note: An individual Repellent contains 0.6 ml of repelling formulation. The only way the formulation can escape the Repellent is for someone to deliberately cut the repellent open or hit with a hammer. Therefore, there is no accidental release.

Small Spill: Absorb with an inert material such as paper towel, newspaper or cat litter and put the contaminated material in an appropriate disposal container.

Large Spill: Not available

Section 7: Handling and Storage

Precautions: Keep Repellents away from heat. Keep away from sources of ignition.

Storage: Store Repellents in a cool, dry place. The shelf life of Repellents with the barrier unbroken should be one or more years.

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Section 8: Exposure Controls/Personal Protection

Control Parameters: N/A A repellent is activated outdoors. Then only the repelling garlic odor is released.

Personal Protection: N/A No personal protection is required as the person applying the Repellent never comes into contact with the repelling formulation.

Section 9 Physical and Chemical Properties

Form: Liquid Color: Pale yellow to reddish orange Odor: Garlic
Flash Point COC ASTM D92 209⁰ C
Initial pH Number ASTM D664 (mod) 8.3
Viscosity @ 40 Deg. C ASTM D445 18.94 mm²/s
Density @ 15 C ASTM D4052 0.9432 g/ml
Specific gravity@ 60/60F ASTM D4052 0.9429
Molecular Weight: Mixture
Boiling Point: N/A Evaporation Rate: N/A Decomposition Temperature: N/A
Explosive Properties: None Autoignition Temperature: Not established
Lower Flammability Limit: Not Available Upper Flammability Limit: Not Available

Section 10: Stability and Reactivity

Reactivity: Not Available Chemical Stability: Stable under recommended storage conditions
Possibility of hazardous reactions: No data available
Conditions to avoid: Heat, flames, and sparks
Incompatible Materials: Strong oxidizing agents
Hazardous Decomposition Products: Products may form under fire conditions — nature of decomposition products unknown.

Section 11: Toxicological Information

Exposure and Affects are not likely because the repelling formulation is contained within the Repellent device. Only the repelling odor is released when the product is activated. If someone purposely cuts a repellent open, only 0.6 ml of repelling is released, then:

Eye contact: May cause mild irritation with redness and tearing.

Skin contact: Prolonged or repeated contact may cause mild irritation or dryness.

Inhalation: N/A

Ingestion: Not likely to occur

Acute toxicity: No data available

Respiratory or skin Sensitization: No data available

Germ Cell Mutagenicity: No data available

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Carcinogenicity: No data available

Reproductive Toxicity: No data available

Specific Target Organ Toxicity: Single exposure — no data available; Repeat exposure: no data available

Section 12: Ecological Information

Toxicity: No data available. If the formulation is somehow released, it is not expected to be hazardous to terrestrial or aquatic organisms.

Persistence and Degradability: No data available

Bioaccumulation Potential: No data available

Mobility in Soil: No data available

Other Adverse Effects: No data available

Section 13: Disposal Information

If repellent formulation is released, absorb it with paper towel, newspaper, kitty litter or other material and deposit in the trash.

Section 14: Transport Information

DOT Classification: Not a DOT controlled material; UN Number — none; UN Proper Shipping Name — not regulated.

Identification: Not applicable

Special Provisions for Transport: Not Applicable

Special Precautions for User: None

Transport in Bulk According to Annex III MARPOL 73/78 and IBC Code: Not determined
Environmental hazards: marine pollutant — no

Section 15: Regulatory Information

There is no safety, health or environmental regulation specific to this product.

Section 16: Other Information

This SDS was prepared June 2016. The information in this SDS was obtained from current and reliable sources. However, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Because the conditions for use, handling, storage and disposal of this product are beyond Plant Pro-Tec's control, it is the responsibility of the user both to determine safe conditions for use of this product and to assume liability for loss, damage, or expense arising out of the product's improper use. The user should review various federal and state regulations to ensure full compliance.