

# SAFETY DATA SHEET

Top gel ants bait

Page 1 of 7

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Complying with 1907/2006/EEC Regulation of 18 December 2006 ("REACH Regulation")

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Product name: Top gel ants bait

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Gel for use as insecticide bait for the control of ants.

### 1.3 Details of the supplier of the safety data sheet

N.R. FUMIGATION COMPANY  
MOSHAV RAMAT RAZIEL 91974 - ISRAEL  
TEL.: +972 (0)50-5348454  
FAX: +972 (0)25023111  
E-mail: [r0505348454@gmail.com](mailto:r0505348454@gmail.com)

E-mail address of person responsible for this SDS: N/A

### 1.4 Emergency telephone number

Emergency telephone number (with hours of operation): N/A

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

Classification in accordance to Regulation (EC) No. 1272/2008 (CLP):  
Not classified

### 2.2 Label elements

Labelling in accordance with Regulation 1272/2008 (CLP)  
Hazard pictogram(s): Not required  
Signal word: Not required  
Hazard statement(s): Not required  
Precautionary Statement(s): Not required

### 2.3 Other hazard

Not available

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures:

Substance name	Identifiers	%	CLP Classification
5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-[(trifluoromethyl)sulfinyl]-1H-pyrazole-3-carbonitrile (Fipronil)	CAS number: 120068-37-3 EC number: N/A	0.01	Acute Tox. 3 H301, H311, H331 STOT RE 1 H372 Aquatic Acute 1 H400 Aquatic Chronic 1 H410
Denatonium benzoate	CAS number: 3734-33-6 EC number: 223-095-2	0.001	Acute Tox. 4 H302, H332 Skin Irrit. 2 H315 Eye Dam. 1 H318 Aquatic Chronic 3 H412

See section 16 for the full text of the H-statements declared above.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in section 8.

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**SECTION 4: First aid measures**

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**4.1 Description of first aid measures**

- Eyes contact:** In case of contact with eyes, rinse immediately with plenty of water for at least 15-20 minutes. Get medical attention.
- Skin contact:** Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water for at least 10 minutes. Get medical attention.
- Inhalation:** Remove the victim from site of exposure to fresh air. If breathing is difficult, give oxygen. If not breathing give artificial respiration. Get medical attention.
- Ingestion:** **Do not induce vomiting.** If victim is conscious, wash mouth thoroughly with plenty of water. Never give anything by mouth to an unconscious person. Get medical attention.

**4.2 Most important symptoms and effects, both acute and delayed**

May be harmful if swallowed. May be minimally irritating following prolonged direct contact with skin.

**4.3 Indication of any immediate medical attention and special treatment needed**

Notes to physician: Fipronil is an insecticide inhibiting GABA<sub>a</sub>-gated chloride channels. A high affinity for insect compared to mammalian (also human) GABA receptors results in lower animal toxicity than other insecticides inhibiting the same mechanism. There isn't antidote. Symptomatic treatment.

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**SECTION 5: Fire-fighting measures**

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**5.1 Extinguishing media**

Suitable: Carbon dioxide, dry agent, water spray, foam.

Not suitable: N/A

**5.2 Special hazards arising from the substance or mixture**

Not flammable. In the event of fire, carbon monoxide, carbon dioxide, nitrogen oxides, sulphur oxides, hydrogen chloride and hydrogen fluoride may be released.

**5.3 Advice for firefighters**

**Special protective equipment for fire fighters:** Fire fighters should wear full protective clothing and self-contained breathing apparatus in positive pressure mode.

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**SECTION 6: Accidental release measures**

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**6.1 Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Ventilate area of spill. Keep unauthorized people away. Isolate hazard area.

**6.2 Environmental precautions**

Prevent entry into waterways, sewers, basements or confined areas.

**6.3 Methods and materials for containment and cleaning up**

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations.

**6.4 Reference to other sections**

See Section 1 for emergency contact information.

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**SECTION 7: Handling and storage**

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**7.1 Precautions for safe handling**

Keep out of reach of children. Avoid contact with skin and eyes. Avoid inhalation of vapors, mist or gas. Wash thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also section 8 for additional information measures.

**7.2 Conditions for safe storage, including any incompatibilities**

**Storage:** Keep container in a dry, cool and well-ventilated place. Store in closed original container. Protect from extreme heat, source of ignition and direct sunlight. Keep away from strong acids, bases and oxidizing agents.

**7.3 Specific end use(s):** N/A

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**SECTION 8: Exposure control/personal protection**

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**8.1 Control parameters**

Occupational exposure limits: N/A

**8.2 Exposure controls**Engineering measures

Use process enclosures, local exhaust ventilation, or others engineering controls to keep airborne levels below recommend exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Person Protective measures

Respiratory protection: Disposable particulate mask. Be sure to use an approved/certified equipment or equivalent equipment. Wear appropriate respirator when ventilation is inadequate.

Hand protection: Wear protective gloves to prevent skin exposure.

Eye protection: Wear protective safety glasses.

Skin protection: Wear appropriate long-sleeved clothing to minimize skin contact.

Environmental exposure controls: Not available

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**SECTION 9: Physical and chemical properties**

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**9.1 Information on basic physical and chemical properties**

Appearance: clear white gel

Odour: N/A

Odour threshold: N/A

pH: 6.0-7.0 (1% water suspension)

Melting point/Freezing point: N/A

Initial boiling point/boiling range: N/A

Flash point: N/A

Evaporation rate: N/A

Flammability: Not flammable

Upper/lower flammability or explosive limits: N/A

Vapor pressure: N/A

Vapor density: N/A

Relative density: 1.20 – 1.25 g/l at 20°C

Solubility(ies): N/A

Partition coefficient Octanol/Water: N/A

Auto-ignition temperature: N/A

Decomposition temperature: N/A

# SAFETY DATA SHEET

Top gel ants bait

Page 4 of 7

Viscosity: N/A  
Explosive properties: N/A  
Oxidizing properties: N/A

## **9.2 Other information**

N/A

## **SECTION 10: Stability and reactivity**

### **10.1 Reactivity**

Not available

### **10.2 Chemical stability**

The product is stable under normal handling and storage conditions described in Section 7.

### **10.3 Possibility of hazardous reactions**

Hazardous reactions are not expected, under normal conditions of storage and use.

### **10.4 Conditions to avoid**

Extreme heat and fire

### **10.5 Incompatible materials**

Strong acids, base and oxidizing agents.

### **10.6 Hazardous decomposition products**

Carbon monoxide, carbon dioxide, nitrogen oxides, sulphur oxides, hydrogen chloride and hydrogen fluoride may be released.

## **SECTION 11: Toxicological information**

### **11.1 Information on toxicological effects**

Acute toxicity:

<b>Product/substance name</b>	<b>Test</b>	<b>Species</b>	<b>Dose</b>
5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-[(trifluoromethyl)sulfinyl]-1H-pyrazole-3-carbonitrile (Fipronil)	LD50, Oral	Rat	97 mg/kg
	LD50, Administration onto the skin	Rabbit	354 mg/kg
Denatonium benzoate	LD50, Oral	Rat	584 mg/kg
	LD50, Administration onto the skin	Rabbit	>2000 mg/kg
	LC50, Inhalation	Rat	200 mg/m <sup>3</sup> /4H
Top gel ants bait	LD50, Oral	Rat	> 5000 mg/kg
	LD50, Administration onto the skin	Rat	> 2000 mg/kg
	LC50, Inhalation	Rat	> 2.9 mg/l/4H

Skin corrosion/irritation: rabbit: slight irritation.

Serious eye damage/irritation: rabbit: no eye irritation.

Respiratory or skin sensitization: guinea pig: non-sensitizing.

Germ cell mutagenicity: Fipronil was not mutagenic.

Carcinogenicity: Fipronil is not considered to pose an increased risk of cancer to humans. Similar studies in mice and dogs did not show an increased incidence of thyroid tumors.

Reproductive toxicity: Fipronil was not considered a primary reproductive toxicant in rats. Fipronil was not a developmental toxicant in rats and rabbits.

# SAFETY DATA SHEET

Top gel ants bait

Page 5 of 7

Specific target organ toxicity (single exposure): Not available

Specific target organ toxicity (repeated exposure): Not available

Aspiration hazard: Not available

Other symptoms:

Symptoms observed in the few cases of human poisoning in literature include nausea vomiting, profuse sweating, drowsiness, agitation, coma and seizures (severe cases). From animal experiments, hyperactivity, irritability and tremors can be expected.

Fipronil causes liver, kidney or thyroid effects and/or neurobehavioral effects in chronic toxicity studies in rats and dogs. Fipronil does not induce ant microscopic lesions in the neutral tissues.

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## SECTION 12: Ecological information

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### 12.1 Toxicity

For 5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-[(trifluoromethyl)sulfinyl]-1H-pyrazole-3-carbonitrile (Fipronil):

<b>Toxicity to algae</b>	<b>Toxicity to fish</b>	<b>Toxicity to rustaceans</b>	<b>Toxicity to birds</b>
EC50/96H (Scenedesmus subspicatus): 0.068 mg/l	LC50/96H (Bluegill sunfish): 85 mg/l LC50/96H (rainbow trout): 248 mg/l	LC50/48H (Daphnia): 0.19 mg/l	LD50 (mallard duck): > 2000 mg/kg

### 12.2 Persistence and Degradability

Fipronil is ready degraded in soil.

### 12.3 Bioaccumulative potential

Not available

### 12.4 Mobility in soil

Not available

### 12.5 Results of PBT and vPvB assessment

Not available

### 12.6 Other adverse effects

Highly toxic to honeybees both by direct contact and by ingestions. Not toxic to earth towns. Harmful to aquatic organism, may cause long term adverse effects in the aquatic environment.

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## SECTION 13: Disposal considerations

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### 13.1 Waste treatment methods

#### Product

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

#### Packing

Empty containers should be taken for local recycling, recovery or waste disposal.

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## SECTION 14: Transport information

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### 14.1 Un number

ADR/RID: -

IMDG: -

IATA: -

### 14.2 Proper shipping name

ADR/RID: Not regulated

# SAFETY DATA SHEET

Top gel ants bait

Page 6 of 7

IMDG: Not regulated

IATA: Not regulated

## **14.3 Transport hazard class(es)**

ADR/RID: -

IMDG: -

IATA: -

## **14.4 Packing group**

ADR/RID: -

IMDG: -

IATA: -

## **14.5 Environmental hazard**

Marine Pollutant: N/A

## **14.6 Special precautions for user**

Not available

## **14.7 Transport to bulk according to Annex II of MARPOL 79/78 and the IBC Code**

Not available

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## **SECTION 15: Regulatory information**

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This SDS complies with the following requirements of:

EU Directives 67/548/EEC (DSD) and 1999/45/EC (DPD), including amendments

EU Regulation (EC) No.1907/2006 (REACH) including amendments

Regulation (EC) No.1272/2008 (CLP)

## **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

Not available

## **15.2 Chemical safety assessment**

Not available

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## **SECTION 16: Other information**

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### **Full text of Hazards Statements referred to in sections 2 and 3:**

Acute Tox.- Acute toxicity

Eye dam.- Serious eye damage

Skin Irrit.-Skin irritation

STOT RE - Specific target organ toxicity — repeated exposure

Aquatic Acute - Hazardous to the aquatic environment

Aquatic Chronic - Hazardous to the aquatic environment

H301: Toxic if swallowed.

H302: Harmful if swallowed.

H311: Toxic in contact with skin

H315: Causes skin irritation.

H318: Causes serious eye damage.

H331: Toxic if inhaled.

H332: Harmful if inhaled.

H372: Causes damage to organs through prolonged or repeated exposure.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

H412: Harmful to aquatic life with long lasting effects.

Training advice: Before using/handling the product one must read carefully present SDS.

# SAFETY DATA SHEET

Key Legend Information:

CAS - Chemical Abstract Service

ACGIH - American Conference of Governmental Industrial Hygienists

OSHA - Occupational Safety and Health Administration

NTP - National Toxicology program

IARC - International Agency for Research on Cancer

N/A - Not available

H - statements- Hazard statements

TLV - Threshold Limit Value

TWA - Time-weighted average

STEL - Short-Term Exposure Limit

CSA - Chemical safety assessment

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