

SAFETY DATA SHEET

Alfa gel

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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: Alfa gel

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

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.

SECTION 4: First aid measures

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_a-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.

SECTION 5: Fire-fighting measures

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.

SECTION 6: Accidental release measures

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.

SECTION 7: Handling and storage

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

SECTION 8: Exposure control/personal protection

8.1 Control parameters

Occupational exposure limits: N/A

8.2 Exposure controlsEngineering 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

SECTION 9: Physical and chemical properties

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

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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:

Product/substance name	Test	Species	Dose
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 ³ /4H
Alfa gel	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.

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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 any microscopic lesions in the neutral tissues.

SECTION 12: Ecological information

12.1 Toxicity

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

Toxicity to algae	Toxicity to fish	Toxicity to rustaceans	Toxicity to birds
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 readily 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 worms. Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment.

SECTION 13: Disposal considerations

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.

SECTION 14: Transport information

14.1 Un number

ADR/RID: -

IMDG: -

IATA: -

14.2 Proper shipping name

ADR/RID: Not regulated

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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

SECTION 15: Regulatory information

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

SECTION 16: Other information

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.

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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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