

MATERIAL SAFETY DATA SHEET

Magma

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1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1	IDENTIFICATION OF THE SUBSTANCE/ PREPARATION	Magma Fipronil 0.5g/kg GB (Granular Bait)
1.2	CHEMICAL NAME	IUPAC: 5-amino-1-[2,6-dichloro-4-(trifluoromethyl)phenyl]-4-(trifluoromethylsulfinyl)pyrazole-3-carbonitrile
1.3	OTHER MEANS OF IDENTIFICATION	Phenylpyrazole
1.4	USE OF PREPARATION	Insecticide
1.5	COMPANY/UNDERTAKING IDENTIFICATION	Dor.Ky D&D LTD P.O.B. 232 Nes Ziona, 70400, Israel Tel: +972-8-933 3474 Fax: +972-8-933 0109 Factory address: 3 Habonim St. Kiryat Gat 8258203
1.6	EMERGENCY TELEPHONE NUMBER	The Israeli Poisoning Centre Tel: +972-4-777 1900 Fax: +972-4-854 2029

2. HAZARDOUS IDENTIFICATION

(Classification according to Regulation (EC) No 1272/2008), GHS, 9th edition, 2021

2.1	Classification of the mixture	
	Health hazards	Acute toxicity - inhalation - Category 4 (H332) Acute aquatic toxicity - Category 1 (H400) Chronic aquatic toxicity - Category 1 (H410)

	Environmental hazards	Fipronil is very toxic to aquatic life with long lasting effects (H412) Fipronil is very toxic to terrestrial invertebrates (Bees) (H441)
2.2	Label elements	
	Hazard pictograms	
	Signal words	Warning
	Hazard statements	H332 - Harmful if inhaled H400 - Very toxic to aquatic life H410 - Very toxic to aquatic life with long lasting effects
2.3	Precautionary statements	
	Preventive	P264 - Wash any contaminated body part thoroughly P273 - Avoid release to the environment.
	Response	P391 - Collect spillage. P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + P313 - If eye irritation persists: Get medical advice/attention.
	Disposal	P501 - Dispose of contents/container in accordance with local regulation
	Storage	P102 - Keep out of the reach of children

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1	Chemical nature		Fipronil 0.5 g/kg			
3.2	Information on hazardous ingredients:					
	Common name	CAS No.	Weight %	EC Number	Symbol	Hazard
	Fipronil	120068-37-3	0.05	424-610-5		H301, H311, H331, H372, H400, H410.
	Other ingredients (non hazardous)		up to 100%			

For occupational exposure limits, see section 8

4. FIRST AID MEASURES

4.1	General	When possible, have the product container or label with you when calling a poison control centre or doctor or going for treatment.	
4. 2	Description of first aid measures		
	4.2.1	Eye contact	Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. Remove contact lenses, if present, after the first 15 minutes, and then continue rinsing eyes. Get medical attention if irritation develops and persists.
		Skin contact	Wash off immediately with soap and plenty of water. If symptoms persist, call a physician.
		Inhalation	If inhaled, remove the victim to fresh air. If breathing is difficult, give artificial respiration, preferably mouth to mouth if possible. Call a physician.
		Ingestion	If swallowed, Wash out mouth with plenty of water. Get medical attention. Never give anything by mouth to an unconscious person.
	4.2.2	Notes to physician	There is no specific antidote. Treat symptomatically and supportively.

5. FIRE-FIGHTING MEASURES

5.1	Firefighting media:	Water spray, foam, carbon dioxide and sand.
5.2	Special hazards arising from the substance or mixture	In a fire, formation of hydrogen cyanide, carbon monoxide and nitrogen gas can be expected.
5.3	Precautions for fire fighters	Fire fighters should wear full protective gear including self-contained breathing apparatus. Keep unnecessary people away and move other personnel to windward side of fire. Bund area with sand or earth to prevent contamination of drains or waterways. Dispose of fire control water or another extinguishing agent and spillage safely later.

6. ACCIDENTAL RELEASE MEASURES

6.1	Personal precautions	Avoid contact with spilled material or contaminated surfaces. When dealing with spills do not eat, drink, or smoke and wear protective clothing and equipment as described in Section 8. Keep people and animals away.
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6.2	Environmental precautions	Do not discharge into drains or the environment
6.3	Methods for cleaning up	contain spills and absorb with earth, sand, clay, or other absorbent material. Collect and store in properly labeled sealed, drums for safe disposal. Deal with all spillages immediately. If contamination of drains, streams, watercourses, etc. is unavoidable, warn the local water authority.

7. HANDLING AND STORAGE

7.1	Handling	Keep out of reach of children. Wash hands thoroughly with soap after handling and before eating, drinking, and smoking. After each day's use, wash gloves and contaminated clothing
7.2	Storage	Keep only in the original container. Keep in a cool, dry, well-ventilated place away from direct sunlight.
7.3	Flammability	Not flammable.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1	Control parameters		
	Industrial Hygiene measures	Ensure adequate ventilation, especially in confined areas. When handlings do not eat, drink or smoke. Wash hands thoroughly after handling. Wash clothing separately before re-use. Contaminated work clothing should not be allowed out of the workplace.	
	Personal protective equipment	Respiratory system	Respiratory protection is not required if good ventilation is maintained. However, if operating conditions result in airborne concentrations of this material, the use of an approved respirator is recommended.
		Skin and body	Applicators and other handlers must wear long-sleeved shirt and long pants, shoes plus socks and chemical-resistant gloves made of any waterproof material. Remove and wash contaminated clothing separately
		Hands	Chemical resistant gloves.
8.2	Occupational Exposure Limits		
	Fipronil	Not established	

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1	Form	Granules
9.2	Appearance	yellow granules
9.3	Color	yellow
9.4	Odor	Slight specific odour
9.5	pH (neat)	N.A.
9.8	Flammability	Non-flammable
9.9	Density	0.65- 0.68 g/cm ³
9.10	Water solubility	Insoluble in water

10. STABILITY AND REACTIVITY

10.1	Reactivity	The product is not reactive under proper conditions of storage and handling.
10.2	Chemical stability	Stable under normal storage conditions (see Section 7 – storage conditions).
10.3	Possibility of hazardous reactions	No.
10.4	Conditions to avoid	Extreme heat.
10.5	Incompatible materials	Strong acids and alkalis
10.6	Hazardous decomposition products	None under normal conditions. In a fire, formation of hydrogen cyanide, Carbon monoxide and nitrogen oxide gases can be expected.

11. TOXICOLOGICAL INFORMATION

11.1	Acute oral toxicity, rat	LD50 (rat): 5000 mg/kg
11.2	Acute dermal toxicity, rat	LD50 (rat): 5000 mg/kg
11.3	Acute inhalation toxicity, rat	LC50 (rat): >2.8 mg/L
11.4	Skin irritation, rabbit	Not irritant
11.5	Eye irritation, rabbit	Not irritant
11.6	Sensitization, guinea pig	Non sensitizer

12. ECOLOGICAL INFORMATION FOR Fipronil

Ecotoxicity of Fipronil

12.1	Fish	LC ₅₀ (96 hours) Oncorhynchus mykiss	0.25 mg/L
		LC ₅₀ (96 hours) Lepomis macrochirus	0.085 mg/L
		LC ₅₀ (96 hours) Cyprinus carpio	0.43 mg/L
12.2	Aquatic invertebrates	EC50 (48h) Daphnia magna	0.19 mg/L
12.3	Bees	Contact LD50 Apis mellifera	0.013 µg/bee

13. DISPOSAL CONSIDERATION

End users must dispose of any unused product as per the label recommendations

Disposal methods: Check government regulations and local authorities for approved disposal of this material. Dispose in accordance with applicable laws and regulations.

14. TRANSPORT INFORMATION

Transportation must be done in adequate sealed containers.

UN number	3077
Transport hazard class	9
Subsidiary Risk	None
Packaging group	III
Description of the goods	Environmentally hazardous substance, solid, N.O.S. (Fipronil)

15. REGULATORY INFORMATION

Ensure all national/local regulations are observed.

Keep away from reach of children, animals, drinking water, food and feed.

16. OTHER INFORMATION:

The information contained in the Safety data sheet is correct to the best of our knowledge at the date of issue. It is intended as a guide for the safe use, handling, disposal, storage, and transportation and is not intended as warranty or as a specification. The information relates only to the product specified and may not be suitable for combinations with other materials or in processes other than those specifically described herein.