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Complying with 1907/2006/EEC Regulation of 18 December 2006 ("REACH Regulation") and REGULATION (EC) No 1272/2008 (CLP)

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

1.1 Product identifier

Product name: TOP GRAIN

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

Ants pesticide.

1.3 Details of the supplier of the safety data sheet

RIMI Chemicals Co. Ltd
 PO.Box 4002 Petah- Tikva 495404 .Shenkar st. Kiryat Arye 23
 TEL.: +972 03-9221551
 FAX: +972 03-9221550
 E - mail: mail@rimi.co.il

Email 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/GHS)

Product name	CLP/GHS Classification
TOP GRAIN	Aquatic Chronic 3 H412

Classification according to Directive 67/548/EEC (DSD) or 1999/45/EC

Product name	EU Classification
TOP GRAIN	R52/53

2.2 Label elements

Labeling in accordance with Regulation 1272/2008 (CLP)

Hazard pictograms: Not required

Hazard symbol(s): Not required

Hazard statement(s)

H412: Harmful to aquatic life with long lasting effects.

Precautionary Statement(s)

P273: Avoid release to the environment.

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Labelling in accordance with 1999/45 (DPD)

Hazard symbol(s): Not required

Risk phrase(s)

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety phrase(s)

S60: This material and its container must be disposed of as hazardous waste.

S61: Avoid release to the environment. Refer to special instructions/safety data sheets.

2.3 Other hazard

N/A

Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Ingredient name	Identifiers	%	EU Classification	CLP/GHS Classification
Fipronil	CAS number: 120068-37-3 EC number: N/A	0.05%	T; R23/24/25, R48/25 N; R50/53	Acute Tox. 3 H301, H311, H331 STOT RE 1 H372 Aquatic Acute 1 H400 Aquatic Chronic 1 H410

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.

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

Section 4. FIRST AID MEASURES

4.1 Description of first aid measures

Eyes contact: In case of contact with eyes, rinse thoroughly with plenty of water. Get medical attention.

Skin contact: In case of contact with skin wash off immediately with soap and plenty of water. Get medical attention.

Inhalation: Remove from site of exposure to fresh air. If breathing is difficult, give oxygen. If not breathing give artificial respiration. Get medical attention.

Ingestion: Wash mouth thoroughly with plenty of water. Get medical attention immediately. Do NOT induce vomiting. Never give a glassful of water by mouth to an unconscious person.

4.2 Most important symptoms and effects, both acute and delayed

See section 2.2 (Label elements) and/or section 11 (Toxicological information) for the most important known symptoms and effects.

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4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician: No specific antidote, contact Poisons Information Center. All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

Section 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable: Dry chemical, water spray, foam, carbon dioxide.

Not suitable: N/A

5.2 Special hazards arising from the substance or mixture

Hazardous thermal decomposition products: irritating and toxic fumes.

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. Ventilate area of spill. Avoid breathing dust. Avoid excessive generation of dust. Avoid contact with skin and eyes.

6.2 Environmental precautions

Do not let this chemical enter the environment. Keep away from drains, surface and ground water.

6.3 Methods and materials for containment and cleaning up

Pick up and place in a suitable container for reclamation or disposal, using a method that does not generate dust.

Large spill: As for small spill

Personal Protection in Case of Large Spill: Safety glasses. Full suit. Suitable respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product.

6.4 Reference to other sections

See Section 1 for emergency contact information.

Section 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Handling: Use personal protective equipment as required. Avoid breathing dust. Avoid contact with skin and eyes. Minimize dust generation and accumulation. Wash thoroughly after handling.

Hygiene Measures: 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: Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Keep away from heat.

7.3 Specific end use(s): N/A

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Section 8: EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limit values: 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: Suitable respirator. Be sure to use an approved/certified or equivalent equipment. Wear appropriate respirator when ventilation is inadequate.

Eye/face protection: Wear protective safety glasses with side-shields.

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

Hand protection: Wear protective disposable gloves to prevent skin exposure.

Environmental exposure controls: Not available

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance: beige granules

Odour: N/A

Odour threshold: N/A

pH: N/A

Melting point/Freezing point: N/A

Initial boiling point/boiling range: N/A

Flash point : N/A

Evaporation rate: N/A

Flammability: N/A

Upper/lower flammability or explosive limits: N/A

Vapor pressure: N/A

Vapor density: N/A

Relative Density (25°C): 0.7-0.74 gr/ml

Solubility(ies): N/A

Partition coefficient Octanol/Water: N/A

Auto-ignition temperature: N/A

Decomposition temperature: N/A

Viscosity: N/A

Explosive properties: N/A

Oxidizing properties: N/A

9.2 Other information

N/A

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Section 10: STABILITY AND REACTIVITY

10.1 Reactivity

No specific test data related to reactivity available for this product or its ingredients

10.2 Chemical stability

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

10.3 Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid

High temperature, high humidity.

10.5 Incompatible materials

No information available

10.6 Hazardous decomposition products

No information available

In the event of fire: see section 5.

Section 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity:

Substance name	Test	Species	Dose
Fipronil	LD50, Oral	Rat	97 mg/kg
	LD50, Administration onto the skin	Rabbit	354 mg/kg

Irritation: N/A

Corrosivity: N/A

Sensitization: N/A

Repeated dose toxicity: N/A

Carcinogenicity: N/A

Mutagenicity: N/A

Toxicity for reproduction: N/A

Other effects: N/A

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Section 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Substance name	Toxicity to fish	Toxicity to algae
Fipronil	LC50/96h (Japanese carp) 0.34 mg/L	EC50 Anabaena flosaquae (Blue-Green Algae) >170 µg/L for 5 days

12.2 Persistence and Degradability

N/A

12.3 Bioaccumulative potential

N/A

12.4 Mobility in soil

N/A

12.5 Results of PBT and vPvB assessment

N/A

12.6 Other adverse effects

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

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

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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

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

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

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

15.2 Chemical safety assessment

N/A

Section 16: OTHER INFORMATION

Full text of R-phrases referred to in section 3:

T - Toxic

N - Dangerous for the environment

R23/24/25: Toxic by inhalation, in contact with skin and if swallowed.

R48/25: Toxic: danger of serious damage to health by prolonged exposure if swallowed.

R50/53: Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Full text of Hazards Statements referred to in section 3:

Acute Tox. - Acute toxicity

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.

H311: Toxic in contact with skin.

H331: Toxic 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.

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

Recommended restriction: N/A

Key Legend Information:

ACGIH- American Conference of Governmental Industrial Hygienists

OSHA- Occupational Safety and Health Administration

NTP- National Toxicology program

IARC- International Agency for Research on Cancer

ND- Not Determined

N/A- Not available

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R-phrases - Risk phrases
S-phrases - Safety phrases

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To the best of our knowledge the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.