

1. IDENTIFICATION

Product name: **Quail-Pro® FIPRONIL 0.0143G BROADCAST**
Chemical name of active ingredient(s): Fipronil:5-amino-l-(2,6-dictiloro-4-(trifluoromethyl)phenyl)-4-((1,R,S)-(trifluoromethyl)sulfinyl)-1-H-pyrazole-3-carbonitril
Manufacturer: Makhteshim Agan of North America, Inc.
4515 Falls of Neuse Road, Suite 300
Raleigh, NC 27609
Phone: 919-256-9300
For fire, spill, and/or leak emergencies, contact Infotrac: Phone: 1-800-535-5053
For medical emergencies and health and safety inquiries, contact Prosar: Phone: 1-877-250-9291

2. COMPOSITION/INFORMATION ON INGREDIENTS

COMMON NAME	CAS NO.	%	OSHA PEL	ACGIH TLV	NTP/IARC/OSHA Carcinogen
Fipronil	120068-37-3	0.0143	NE	NE	NA

NE=None established; NA=Not applicable

3. HAZARDS IDENTIFICATIONS

PHYSICAL PROPERTIES:

Appearance: grey to tan granules
Odor: slight musty odor

EMERGENCY OVERVIEW: CAUTION. Harmful if absorbed through the skin. Causes eye irritation. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling.

SYMPTOMS OF ACUTE EXPOSURE:

- Eye:** May cause redness, irritation, tearing.
- Skin:** Harmful if absorbed through skin. May produce symptoms similar to those from ingestion. May cause irritation, redness, swelling.
- Ingestion:** Harmful if ingested. May cause drowsiness, involuntary shaking, shortness of breath, convulsions, excitement.
- Inhalation:** Harmful if inhaled. May produce symptoms similar to those from ingestion. May cause shortness of breath, upper respiratory tract irritation, excitement, involuntary shaking, convulsions, irritability.

MEDICAL CONDITIONS LIKELY TO BE AGGRAVATED BY EXPOSURE: Inhalation of product may aggravate existing chronic respiratory problems such as asthma, emphysema or bronchitis. Skin contact may aggravate existing skin disease.

SYMPTOMS OF OVEREXPOSURE: In severe cases of overexposure by oral ingestion, lethargy, muscle tremors, and, in extreme cases, possibly convulsions, may occur.

4.FIRST AID MEASURES

FIRST AID	
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15-20 minutes.• Call a poison control center or doctor for treatment advice.

IF SWALLOWED:	<ul style="list-style-type: none">• Call a poison control center or doctor immediately for treatment advice.• Have person sip a glass of water if able to swallow.• Do not induce vomiting unless told to do so by a poison control center or doctor.• Do not give anything by mouth to an unconscious person.
IF IN EYES:	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15-20 minutes.• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.• Call a poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact Prozar at 1-877-250-9291 for emergency medical treatment information.	
NOTE TO PHYSICIAN: There is no specific antidote. All treatment should be based on observed signs and symptoms of distress in the patient. Symptoms of Poisoning: In severe cases of overexposure by oral ingestion, lethargy, muscle tremors, and in extreme cases, possible convulsions may occur.	

5. FIRE FIGHTING MEASURES

FLASH POINT: Not flammable.

EXTINGUISHING MEDIA: Small Fires: dry chemical, carbon dioxide (CO₂). Large Fires: foam, water spray.

FIRE AND EXPLOSION HAZARDS: Product will burn under fire conditions.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition can produce hydrogen chloride, hydrogen fluoride, oxides of nitrogen, oxides of sulfur and carbon oxides.

FIRE-FIGHTING PROCEDURES: Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus and full protective clothing. Keep unnecessary people away, isolate hazards area and deny entry. Evacuate personnel or residents who are downwind of fire. Persons who may have been exposed to contaminated smoke should be immediately examined by a physician and checked for symptoms of poisoning. The symptoms should not be mistaken for heat exhaustion or smoke inhalation.

6. ACCIDENTAL RELEASE MEASURES

ACTION TO TAKE FOR SPILLS/LEAKS: Sweep up spilled granules, transfer to a marked container, and dispose of wastes on site or at a waste disposal facility.

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING: Avoid direct or prolonged contact with skin and eyes. Avoid breathing dusts. Do not contaminate water, food, or feed by storage or disposal.

PRECAUTIONS TO BE TAKEN IN STORAGE: Do not store in or around the home. Store unused product in original container only, out of the reach of children and animals. Never transfer this product to another container for storage.

STORAGE TEMPERATURE: Normal ambient temperatures.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION, PACKAGING AND USE OF THIS PRODUCT.

FOR COMMERCIAL APPLICATIONS AND/OR ON-FARM APPLICATIONS CONSULT THE PRODUCT LABEL.

EYE PROTECTION: Protective eyewear (e.g., goggles or full-face shield).

SKIN PROTECTION: Long-sleeved shirt and long pants, shoes plus socks. Use apron and coveralls when necessary or when mixing, loading or cleaning equipment, or for spill cleanup.

HAND PROTECTION: Chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride.

RESPIRATOR: When respirators are required, select NIOSH approved equipment based on actual or potential airborne concentrations and in accordance with the appropriate regulatory standards and/or industry recommendations.

Always wear protective clothing and use appropriate equipment during application and handling. Avoid contact with granules. Follow manufacturer's instructions for cleaning/ maintaining personal protective equipment, PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

User should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

EXPOSURE GUIDELINES: Refer to Section 2.

ENGINEERING CONTROLS: Refer to product label.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Grey to tan granules

ODOR: Slight musty odor

FLASH POINT: Not flammable

pH: 6.5 – 7.5

DENSITY: 42 – 48 lbs/cu. ft.

10. STABILITY AND REACTIVITY

STABILITY: This product is stable under normal use and storage.

CONDITIONS TO AVOID: Avoid direct sunlight and extreme heat.

MATERIALS TO AVOID: Strong acids, strong bases, strong oxidizing agents.

HAZARDOUS POLYMERIZATION: Not known to occur.

HAZARDOUS DECOMPOSITION PRODUCTS: Can decompose at high temperatures forming toxic and irritating gases.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY/IRRITATION STUDIES

Acute Oral LD ₅₀ (Rat):	> 5,000 mg/kg
Acute Dermal LD ₅₀ (Rabbit):	>2,000 mg/kg
Acute Inhalation LC ₅₀ (Rat):	5.16 mg/L air (4-hours)
Eye Irritation (Rabbit):	Moderately irritating
Dermal Irritation (Rabbit):	Slightly irritating
Dermal Sensitization:	Not a skin sensitizer

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL HAZARDS: This pesticide is toxic to birds, fish, aquatic and estuarine (tidewater dwelling) invertebrates. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff from treated areas may be hazardous to aquatic

organisms in neighboring areas. Cover, incorporate or clean up granules that are spilled. Do not contaminate water when disposing of equipment washwater or rinsate.

13. DISPOSAL CONSIDERATIONS

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide is a violation of Federal law. Contamination with this product will render water, food or feed unfit for human consumption. Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Dispose of product containers, waste containers, and residues according to label instructions and local, state, and federal health and environmental regulations.

14. TRANSPORT INFORMATION

DOT CLASSIFICATION:

Not regulated

INTERNATIONAL TRANSPORTATION

IMO (vessel): UN3077, Environmental hazardous substances, solid, n.o.s. (fipronil), 9, PGIII, Marine Pollutant

IATA (air): UN3077, Environmental hazardous substances, solid, n.o.s. (fipronil), 9, PGIII, Marine Pollutant

15. REGULATORY INFORMATION

SARA TITLE III CLASSIFICATION:

Section 302: Not applicable
Section 311/312: Acute health hazard (immediate)
Section 313: Not applicable

CA PROPOSITION 65: Not applicable

CERCLA RQ: Not applicable

RCRA CLASSIFICATION: Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

TSCA STATUS: The ingredients of this product are listed on the TSCA inventory or are exempt.

16. OTHER INFORMATION

HAZARD RATINGS	NFPA	HMIS	
HEALTH:	1	1	0 MINIMAL
FLAMMABILITY:	1	1	1 SLIGHT
REACTIVITY:	0	0	2 MODERATE
			3 HIGH
			4 SEVERE

MSDS DATE: 4-18-11.

The information herein is given in good faith, but no warrant, express or implied, is made. Consult Makhteshim Agan of North America, Inc. for further information.