

1. IDENTIFICATION

Product name: **QUALI-PRO IMIDACLOPRID 0.5 G INSECTICIDE (PCP Registration No. 29185)**
Chemical name of active ingredient(s): Imidacloprid: 1-[(6-chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine
Manufacturer: ADAMA Agricultural Solutions Canada Ltd.
302-179 McDermot Ave
Winnipeg MB R3B 0S1
Phone: 855-264-6262
For fire, spill, and/or leak emergencies, contact Infotrac: Phone: 800-535-5053
For medical emergencies and health and safety inquiries, contact Prosar: Phone: 877-250-9291

2. COMPOSITION/INFORMATION ON INGREDIENTS

COMMON NAME	CAS NO.	%	OSHA PEL	ACGIH TLV	OTHER	NTP/IARC/OSHA (Carcinogen)
Imidacloprid	138261-41-3	0.5	NE	NE	-	NA

NE=not established
NA=not available

3. HAZARDS IDENTIFICATIONS

PHYSICAL PROPERTIES

Appearance: Gray to brown granule
Odor: None

EMERGENCY OVERVIEW: CAUTION. Eye Irritant. Harmful if inhaled. May cause irritation of the respiratory tract. Avoid inhaling dust. Keep unprotected persons, children and pets out of the treated areas until irrigation has dried. Harmful if swallowed or absorbed through skin. Causes eye irritation. Avoid contact with skin, eyes, or clothing. Wear long-sleeved shirt, long pants, and chemical-resistant gloves and a suitable dust-filtering respirator approved by NIOSH/MSHA with any R, P, or HE filter during handling, loading, applying, clean-up and repair. Wash thoroughly with soap and water after handling.

ROUTES OF ENTRY: Ingestion, Inhalation, Eye contact, Skin Absorption.

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen cyanide, hydrogen chloride, carbon monoxide and nitrogen oxide.

MEDICAL CONDITIONS LIKELY TO BE AGGRAVATED BY EXPOSURE: None known.

4. FIRST AID MEASURES

FIRST AID:

If swallowed: Call a poison control centre or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

If in eyes: 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 centre or doctor for treatment advice.

Take the container label or product name and Pest Control Product Registration Number with you when seeking medical attention.

5. FIRE FIGHTING MEASURES

FLASH POINT: NA

FLAMMABLE LIMITS: NA

EXTINGUISHING MEDIA: Foam, dry chemical, carbon dioxide or water spray.

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen cyanide, hydrogen chloride, carbon monoxide and nitrogen oxide.

FIRE-FIGHTING PROCEDURES: Evacuate area and fight fire upwind a safe distance to avoid hazardous vapors and decomposition products. Cool closed containers exposed to fire with water spray. Dike and collect water used to fight fire to prevent environmental damage due to runoff. Foam or dry chemical extinguishing systems are preferred to prevent environmental damage due to runoff. Equipment or materials involved in pesticide fires may become contaminated.

FIREFIGHTING EQUIPMENT: Self-contained breathing apparatus with full face piece.

5. ACCIDENTAL RELEASE MEASURES

ACTION TO TAKE FOR SPILLS/LEAKS: Clean up spills immediately observing the precautions in Section 8 of this MSDS. Isolate the hazard area and keep unnecessary and unprotected personnel from entering. Prevent material from contaminating soil or from entering sewage and drainage systems and bodies of water.

Avoid dust formation and avoid breathing dust. Use recommended protective equipment and carefully sweep up spilled material, placing it in a covered container for reuse or disposal. Scrub the contaminated area with soap and water followed by a water rinse. Use dry absorbent material to absorb and collect wash solution for proper disposal. Contaminated soil may have to be removed and disposed.

6. HANDLING AND STORAGE

Do not contaminate water, food, or feed by storage or disposal.

PRECAUTIONS TO BE TAKEN IN HANDLING: Handle and open container in a manner as to prevent spillage. Avoid breathing dust or vapor. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

PRECAUTIONS TO BE TAKEN IN STORAGE: Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

STORAGE TEMPERATURE (MIN/MAX): Normal ambient temperatures.

7. 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.

- Tightly fitting safety goggles
- Long-sleeved shirt, long pants and Shoes plus socks
- Suitable chemical resistant gloves
- 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.

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.

EXPOSURE GUIDELINES: Refer to Section 2.

ENGINEERING CONTROLS: Use adequate ventilation to minimize airborne concentrations of this material.

8. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Gray to brown granule
ODOR: None
FLASH POINT: NA
BULK DENSITY: 0.66 g/ml
pH: 6.48
SOLUBILITY IN WATER: Insoluble

9. STABILITY AND REACTIVITY

STABILITY: Stable but may decompose if heated.
MATERIALS TO AVOID: None known.
HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen chloride, hydrogen cyanide and oxides of nitrogen and carbon.
HAZARDOUS POLYMERIZATION: Will not occur.
INSTABILITY CONDITIONS: Extreme temperatures.

10. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY/IRRITATION STUDIES (FINISHED PRODUCT)

Acute Oral LD50 (Rat):	4,820 mg/kg
Acute Dermal LD50 (Rabbit):	> 2,000 mg/kg
Acute Inhalation LC50 (Rat):	> 5.09 mg/L (4h)
Eye Irritation (Rabbit):	Mildly irritating
Dermal Irritation (Rabbit):	Non-irritating
Dermal Sensitization (Guinea Pig):	Not a sensitizer

MUTAGENIC DATA: No evidence of mutagenic effects during *in vivo* and *in vitro* assays.
ADDITIONAL DATA: Not known to cause reproductive or birth defects at normal exposure levels.

11. ECOLOGICAL INFORMATION

ENVIRONMENTAL HAZARDS: Keep out of lakes, streams, ponds or other aquatic systems.
Do not apply to terrains where there is a potential for surface run-off to enter aquatic systems.
Do not mix, load or clean equipment within 30 metres of wellheads or aquatic systems. Do not contaminate water when disposing of equipment washwaters.
This product is highly toxic to aquatic invertebrates. Apply this product only in accordance with this label.
This chemical demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

12. DISPOSAL CONSIDERATIONS

Do not contaminate water, food, or feed by storage or disposal.
END USERS MUST DISPOSE OF ANY UNUSED PRODUCT AS PER THE LABEL RECOMMENDATIONS.
PESTICIDE DISPOSAL: For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.
CONTAINER DISPOSAL: Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank. Follow provincial instructions for any required additional cleaning of the container prior to its disposal. Make the empty container unsuitable for further use. Dispose of the container in accordance with provincial requirements.

13. TRANSPORT INFORMATION

DOT CLASSIFICATION:
Not regulated

MATERIAL SAFETY DATA SHEET
QUALI-PRO IMIDACLOPRID 0.5 G INSECTICIDE

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INTERNATIONAL TRANSPORTATION

IMO (vessel): Not regulated
IATA (air): Not regulated

14. REGULATORY INFORMATION

CANADIAN REGULATIONS:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the CPR.

Canadian Domestic Substance List:

Crystalline Silica (Quartz) CAS #: 14808-60-7

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.

15. OTHER INFORMATION

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

MSDS DATE: 22Mar2016 (1-30-09)

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.