

**1. IDENTIFICATION**

Product name: **QUALI-PRO® IMIDACLOPRID 1G NURSERY & GREENHOUSE INSECTICIDE**

Chemical name of active ingredient(s): Imidacloprid: 1-[(6-chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine

Manufacturer/Registrant: 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	ACIGH TLV	OTHER	NTP/IARC/OSHA (Carcinogen)
Imidacloprid	138261-41-3	1.0	NE	NE	-	NA

NE=not established  
NA=not available

**3. HAZARDS IDENTIFICATIONS****PHYSICAL PROPERTIES**

Appearance: Gray to tan granule

Odor: Slightly musty

**EMERGENCY OVERVIEW:** CAUTION Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Keep children or pets off treated area until spray is dry.

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

**HAZARDOUS DECOMPOSITION PRODUCTS:** Hydrogen chloride, hydrogen cyanide and oxides of nitrogen and carbon.

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

**4. FIRST AID MEASURES**

FIRST AID	
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact Prosar at 1-877-250-9291 for emergency medical treatment information.	
<b>NOTE TO PHYSICIAN:</b> No specific antidote is available. Treat the patient symptomatically.	

**5. FIRE FIGHTING MEASURES**

**FLASH POINT:** NA

**FLAMMABLE LIMITS:** LFL\UFL: NA

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

**HAZARDOUS DECOMPOSITION PRODUCTS:** Hydrogen chloride, hydrogen cyanide and oxides of nitrogen and carbon.

**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.

## 6. 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.

## 7. 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.

**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, preferable in a locked storage area.

**STORAGE TEMPERATURE (MIN/MAX):** 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.**

- Long-sleeved shirt and long pants
- Water-proof gloves
- Shoes plus socks

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:**

#### **Users should:**

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash 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:** Gray to tan granule

**ODOR:** Slightly musty

**FLASH POINT:** NA

**RELATIVE DENSITY:** 35-80 lbs./cu. ft.

**pH:** NA

#### 10. STABILITY AND REACTIVITY

**STABILITY:** Stable but may decompose if heated.

**MATERIALS TO AVOID:** None known.

**HAZARDOUS POLYMERIZATION:** Will not occur.

**INSTABILITY CONDITIONS:** Extreme temperatures.

#### 11. 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
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.

#### 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL HAZARDS:** This product is highly toxic to aquatic 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. Do not contaminate water when disposing of equipment washwaters.

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.

#### 13. DISPOSAL CONSIDERATIONS

**END USERS MUST DISPOSE OF ANY UNUSED PRODUCT AS PER THE LABEL RECOMMENDATIONS.**

**PESTICIDE DISPOSAL:** Wastes resulting from the use of the 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):** Not regulated

**IATA (air):** Not regulated

#### 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**

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

**MSDS DATE:** 12-16-09

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.