

## 1. IDENTIFICATION

Product name: **QUALI-PRO IMIDACLOPRID 75 WSP  
(PCP Registration No. 29130)**

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

Manufacturer: Makhteshim Agan of North America, Inc.  
4515 Falls of Neuse Road, Suite 300  
Raleigh, NC 27609  
Phone: 919-256-9303

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	75	NE	NE	-	NA

NE=not established  
NA=not available

## 3. HAZARDS IDENTIFICATIONS

### PHYSICAL PROPERTIES

Appearance: Light brown solid powder

Odor: None

**EMERGENCY OVERVIEW:** CAUTION EYE IRRITANT. Harmful if swallowed, inhaled, or absorbed through skin. Causes eye irritation. Avoid contact with skin, eyes, or clothing. Wear long-sleeved shirt, long pants, and chemical-resistant gloves when handling. Avoid breathing dust or vapour. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. 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 (HCl), Hydrogen cyanide (hydrocyanic acid), Carbon monoxide and Nitrogen Oxides (NO<sub>x</sub>)

**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. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

**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 on skin and 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 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 further 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:** > 93.3°C(199.9°F)

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

**EXTINGUISHING MEDIA:** Water, Carbon dioxide (CO<sub>2</sub>), Foam, Dry chemical.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Hydrogen chloride (HCl), Hydrogen cyanide (hydrocyanic acid), Carbon monoxide and Nitrogen Oxides (NO<sub>x</sub>).

**FIRE-FIGHTING PROCEDURES:** Keep out of smoke. Fight fire from upwind position. Cool closed containers exposed to fire with water spray. Dike area to prevent runoff and contamination of water sources. Equipment or materials involved in pesticide fires may become contaminated.

**FIREFIGHTING EQUIPMENT:** Self-contained breathing apparatus with full protective clothing.

## 5. ACCIDENTAL RELEASE MEASURES

**GENERAL AND DISPOSAL:** Use proper protective equipment to minimize personal exposure (see Section 8). Sweep up spilled material. Place in a container for disposal.

**ACTION TO TAKE FOR SPILLS/LEAKS:** Isolate area and keep unauthorized people away. Avoid dust formation. Avoid breathing dust. Avoid contact with skin. Use recommended protective equipment while carefully sweeping up spilled material. Place in an approved chemical waste container for disposal. Scrub contaminated area with soap and water. Rinse with water. Use dry absorbent material such as clay granules to absorb and collect wash solution for proper disposal. Contaminated soil may have to be removed and disposed. Do not allow material to enter streams, sewers, or other waterways.

## 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.

**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):** The 30-day storage temperature average must not exceed 38°C (100°F).

## 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 and long pants
- Chemical resistant nitrile rubber gloves
- Shoes plus socks
- 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:** Light brown  
**PHYSICAL STATE:** Solid powder  
**ODOR:** None  
**FLASH POINT:** > 93.3°C(199.9°F)  
**BULK DENSITY:** 30 lbs/cu. ft.  
**pH:** 6-8 (1% suspension in distilled water)  
**WATER SOLUBILITY:** Dispersible

## 9. STABILITY AND REACTIVITY

**STABILITY:** Stable but may decompose if heated.  
**MATERIALS TO AVOID:** None known.  
**HAZARDOUS POLYMERIZATION:** Will not occur.  
**INSTABILITY CONDITIONS:** Extreme temperatures.

## 10. TOXICOLOGICAL INFORMATION

### ACUTE TOXICITY/IRRITATION STUDIES (FINISHED PRODUCT)

Acute Oral LD50 (Rat):	2,591 mg/kg(male rat); 1,858 mg/kg (female rat)
Acute Dermal LD50 (Rat):	> 2,000 mg/kg
Acute Inhalation LC50 (Rat):	> 2.65 mg/L (4 h) (male rat); 2.75 mg/L (4 h) (female rat)
Eye Irritation (Rabbit):	Mildly irritating
Dermal Irritation (Rabbit):	Slightly irritating
Dermal Sensitization (Guinea Pig):	Not a sensitizer

**CHRONIC TOXICITY:** In chronic dietary studies in rats and dogs exposed to imidacloprid, the target organs were the thyroid and/or liver.

### REPRODUCTIVE AND DEVELOPMENTAL TOXICITY:

**REPRODUCTIVE:** In two-generation reproduction study in rats, imidacloprid was not a primary reproductive toxicant. Offspring exhibited reduced body weights at the high dose and in conjunction with material toxicity.

**NEUROTOXICITY:** In acute and subchronic neurotoxicity screening studies in rats, imidacloprid produce slight neurobehavioral effects in each study at the highest dose tested. There were no correlating morphological changes observed in the neural tissues.

**MUTAGENICITY:** The imidacloprid mutagenicity studies, taken collectively, demonstrate that the active ingredient is not genotoxic or mutagenic.

## 11. ECOLOGICAL INFORMATION

**ENVIRONMENTAL HAZARDS:** Do not apply within 30 metres of environmentally sensitive areas such as lakes, streams, rivers 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 bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

This product is highly toxic to aquatic invertebrates. Apply this product only in accordance with this label.

## 12. DISPOSAL CONSIDERATIONS

**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:** Thoroughly empty the contents of the container into the application device. 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

**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.

**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**

<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:** 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.