

**1. IDENTIFICATION**

Product name: **Quali-Pro® Imidacloprid 0.5G Insecticide**  
 Chemical name of active ingredient(s): Imidacloprid: 1-[(6-chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine  
 Manufacturer: FarmSaver.com, LLC.  
 4515 Falls of Neuse Road, Suite 300  
 Raleigh, NC 27609  
 Phone: 1-800-979-8994  
 For fire, spill, and/or leak emergencies, contact Chemtrec: Phone: 1-800-424-9300  
 Outside US: 1-703-527-3887  
 For medical emergencies and health and safety inquiries, contact Prosar: Phone: 1-800-308-5391

**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	NA
Quartz (Silica, Crystalline)	41808-60-7	3.82	5.0 mg/m <sup>3</sup> (respirable fraction)	0.05 mg/m <sup>3</sup> (respirable fraction)	NA	IARC: 1* NTP: 1**

NE=not established  
 NA=not available

\*IARC Group 1: The agent (mixture) is carcinogenic to humans.

\*\*NTP Group 1: Substances or groups of substances, and medical treatments that are known to be carcinogenic.

**3. HAZARDS IDENTIFICATIONS**

**PHYSICAL PROPERTIES**

Appearance: Gray to brown granule  
 Odor: None

**EMERGENCY OVERVIEW: CAUTION** Harmful if swallowed or absorbed through skin. Causes eye irritation. Avoid contact with skin, eyes, or clothing. 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	
<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 by a poison control center or doctor.</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 further treatment advice.</li> </ul>
<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 continuing rinsing.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>
For medical emergencies involving this product, call 1-800-308-5391. Have a product container or label with you when calling a poison control center or doctor,	

or going for treatment.

**Note To Physician:** No specific antidote is available. Treat the patient symptomatically.

## 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.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None

**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 pesticides fire may become contaminated.

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

## 6. ACCIDENTAL RELEASE MEASURES

**ACTION TO TAKE FOR SPILLS/LEAKS:** Keep unauthorized people away. Isolate hazard area. Avoid contact with spilled product or contaminated surfaces. Avoid dust formation. Avoid breathing dust. Avoid contact with skin and eyes. Use recommended protective equipment while carefully sweeping up spilled material. Place in covered container for reuse or 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.

## 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. 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.

## 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.**

- 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.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Gray granule  
**ODOR:** None  
**FLASH POINT:** Not applicable  
**BULK DENSITY:** 55-66 lbs/ft<sup>3</sup>  
**pH:** N/A  
**SOLUBILITY IN WATER:** Insoluble

#### 10. 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.

#### 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 (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.

#### 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 watermark. 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

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:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Completely empty bag into application equipment. Dispose of empty bag in a sanitary landfill, by incineration, or if allowed by the state and local authorities, by burning. If burned, stay out of smoke.

#### 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:** This product contains a chemical known to the State of California to cause cancer. Crystalline Silica (Quartz) CAS #: 14808-60-7.

This product does not contain any substances known to the State of California to cause reproductive harm.

**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:** 2-19-09

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