

1. IDENTIFICATION

Product name: **Quali-Pro® Imidacloprid 75 WSB 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	75	NE	NE	-	NA
NE=not established NA=not available						

3. HAZARDS IDENTIFICATIONS

PHYSICAL PROPERTIES

Appearance: Light brown powder
 Odor: None

EMERGENCY OVERVIEW: CAUTION Harmful if swallowed, inhaled, or absorbed through skin. Causes eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing dust or vapor. 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 (NOx)

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

4. FIRST AID MEASURES

FIRST AID	
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 by a poison control center or doctor.
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 further treatment advice.
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 continuing rinsing. • Call a poison control center or doctor for further treatment advice.
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: LFL\UFL: NA

EXTINGUISHING MEDIA: Water, Carbon dioxide (CO₂), Foam, Dry chemical.

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen chloride (HCl), Hydrogen cyanide (hydrocyanic acid), Carbon monoxide and Nitrogen Oxides (NO_x).

UNUSUAL FIRE AND EXPLOSION HAZARDS: May give off poisonous fumes including hydrogen chloride and oxides of nitrogen.

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.

6. ACCIDENTAL RELEASE MEASURES

ACTION TO TAKE FOR SPILLS/LEAKS: If the container is leaking, invert to prevent leakage. If container is leaking or material spilled for any reason or cause, carefully dam up spilled material to prevent runoff. Refer to Precautionary Statements on label for hazards associated with the handling of this material. **DO NOT** walk through spilled material. Absorb spilled material with absorbing type compounds and dispose of as directed for pesticides below. In case of spill or leak incidents, keep unauthorized people away. In the event of a major spill, fire or other emergency, call Chemtrec at 800-424-9300.

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: Do not freeze. 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 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.

USER SAFETY RECOMMENDATIONS:

User 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 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: Light brown
PHYSICAL STATE: Powder
ODOR: None
FLASH POINT: Not applicable
BULK DENSITY: 30 lbs/cu. ft.
pH: 7 (1% suspension in distilled water)
WATER SOLUBILITY: Dispersible

10. STABILITY AND REACTIVITY

STABILITY: Stable under recommended storage conditions.
MATERIALS TO AVOID: None known.
HAZARDOUS POLYMERIZATION: Will not occur.
INSTABILITY CONDITIONS: Not known.

11. 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.

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 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 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 this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Completely empty container into application equipment. Then dispose of empty container in a sanitary landfill, by incineration or, if allowed by 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

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.

16. OTHER INFORMATION

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

MSDS DATE: 2-19-09

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