

**FarmSaver.com**

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Chemtrec (24 Hours): (800) 424-9300

**"For Chemical Emergency"**

Spill, Leak, Fire, Exposure or Accident, Call:

Chemtrec (24 Hours): (800) 424-9300

Outside U.S., call collect: (703) 527-3887

**MATERIAL SAFETY DATA SHEET****SECTION 1 - PRODUCT IDENTIFICATION**

PRODUCT NAME: <b>Quali-Pro Imidacloprid 2F (Insecticide)</b>	CHEMICAL NAME (FORMULA): <b>Imidacloprid (active ingredient)</b>
CHEMICAL CLASS: <b>Chloronicotinyl</b>	

**SECTION 2 - HAZARDOUS INGREDIENT INFORMATION**

Section 313 of Sara Title III: Ingredients subject to reporting are identified by asterisk (\*)

CAS NO.	COMPONENT	%	ACGIH TLV	OSHA PEL	OTHER
<b>138261-41-3</b>	<b>Imidacloprid</b>	<b>21.40</b>	<b>None</b>	<b>None</b>	<b>None</b>

**SECTION 3 - PHYSICAL PROPERTIES**

BOILING POINT: <b>NA</b>	MELTING POINT: <b>-6.7°C/19.9°F</b>	SPECIFIC GRAVITY: <b>1.12 at 20°C</b>	VAPOR PRESSURE: <b>NA</b>
VAPOR DENSITY (AIR=1): <b>NA</b>	% SOLUBILITY IN WATER: <b>Dispersible</b>	% VOLATILE BY WEIGHT: <b>NA</b>	
APPEARANCE: <b>Off-white, viscous liquid suspension</b>	ODOR: <b>Mild</b>	pH: <b>7.5</b>	

**SECTION 4 - FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT & METHOD: <b>&gt; 93°C / &gt;199°F</b>	FLAMMABLE LIMITS IN AIR (LFL - UFL): <b>LFL: N/A. UFL: N/A.</b>
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EXTINGUISHING MEDIA:

**Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.**

SPECIAL FIRE FIGHTING PROCEDURES:

**Keep out of smoke. Cool containers/tanks with water spray. Fight fire from upwind position. Do not allow run-off from fire to enter drains or water courses. Equipment or materials involved in pesticide fires may become contaminated. Wear self-contained breathing apparatus and protective suit.**

UNUSUAL FIRE AND EXPLOSION HAZARDS:

**May give off poisonous fumes including hydrogen chloride and oxides of nitrogen.****SECTION 5 - REACTIVITY DATA**STABILITY: **Stable**HAZARDOUS POLYMERIZATION: **Will not occur.**HAZARDOUS DECOMPOSITION PRODUCTS: **Hydrogen Chloride (HCl), Hydrogen Cyanide (Hydrocyanic acid), Carbon dioxide (CO<sub>2</sub>), Carbon monoxide, Nitrogen oxides (NO<sub>x</sub>)**

CONDITIONS &amp; MATERIALS TO AVOID:

**None known.****SECTION 6 - PROTECTIVE EQUIPMENT & EXPOSURE CONTROL METHODS**

RESPIRATORY PROTECTION:

**No personal respiratory protective equipment normally required. 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.**

EXPOSURE LIMITS:

**Glycerine, CAS 56-81-5. ACGIH TLV (mist) = 10 mg/m<sup>3</sup>.****OSHA Z1 PEL, OSHA Z1A TWA, US CA OEL TWA / PEL (respirable fraction) = 5 mg/m<sup>3</sup>.**

VENTILATION	LOCAL EXHAUST: <b>Adequate</b>	MECHANICAL: <b>Acceptable</b>	SPECIAL: <b>None</b>	OTHER: <b>None</b>
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PROTECTIVE GLOVES AND BOOTS:

**Chemical resistant gloves made of waterproof material such as polyethylene or polyvinyl chloride. Shoes plus socks.**

EYE PROTECTION:

**Splash goggles.**

**PRODUCT NAME: Quali-Pro Imidacloprid 2F**

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:**

**Wear long-sleeved shirt and long pants and shoes plus socks.**

**WORK/HYGIENIC PRACTICES:**

**AVOID SKIN AND EYE CONTACT. 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 Personal Protective Equipment (PPE) immediately after handling this product.**

**SECTION 7 - HEALTH HAZARDS**

**PRIMARY ROUTES OF ENTRY:**

**Inhalation, skin contact, skin absorption.**

**CARCINOGEN:**

**Not a carcinogen (IARC, OSHA).**

**NTP:**

**Not listed.**

**MUTAGENICITY:**

**Not genotoxic or a mutagen.**

**TERATOLOGY (BIRTH DEFECTS):**

**Not a primary reproductive toxicant or a teratogen.**

**EYE CONTACT:**

**May cause eye irritation. Eye injury may persist for several days.**

**SKIN CONTACT:**

**Harmful if absorbed through skin. No skin irritation. Non-sensitizing.**

**INGESTION:**

**Harmful if swallowed.**

**INHALATION:**

**Harmful if inhaled.**

**ALLERGIC SKIN REACTIONS (Dilute Mix):**

**Not a skin sensitizer.**

**SECTION 8 - EMERGENCY & FIRST AID PROCEDURES**

**EYE CONTACT:**

**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 center or doctor for treatment advice.**

**SKIN CONTACT:**

**Take off contaminated clothing and shoes immediately. Wash off immediately with plenty of water for at least 15 minutes. Call a poison control center or doctor for treatment advice.**

**INGESTION:**

**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 directed to do so by a physician or poison control center. Do not give anything by mouth to an unconscious or convulsing person.**

**INHALATION:**

**Remove to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a physician or poison control center immediately.**

**NOTES TO PHYSICIAN:**

**There is no specific antidote. Treat symptomatically.**

**SECTION 9 – SPILL, LEAK & DISPOSAL INFORMATION**

**STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:**

**Dike area to prevent runoff. Recover material, if possible. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Scrape up and place in appropriate closed container. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations. Collect and contain contaminated absorbent and dike material for disposal. Do not allow spilt product to enter soil or waterways. Isolate area and keep unauthorized people away. Avoid breathing vapors and avoid skin contact. Use proper protective equipment to minimize personal exposure (see Section 6). Contaminated soil may have to be removed and disposed.**

**WASTE DISPOSAL METHOD:**

**Follow container label instructions for disposal of wastes generated during use in compliance with the product label. In other situations, bury in an approved landfill or burn in an incinerator approved for pesticide destruction. Do not re-use empty containers. Packaging that cannot be cleaned should be disposed of as product waste.**

PRODUCT NAME: Quali-Pro Imidacloprid 2F

## SECTION 10 – ECOLOGICAL INFORMATION

SUMMARY OF EFFECTS:

**Highly toxic to aquatic invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate surface or ground water by cleaning equipment or disposal of wastes, including equipment wash water. 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. Notify state and/or Federal authorities and Farmsaver immediately if you observe any adverse environmental effects due to the use of this product.**

FISH TOXICITY (Technical):

**96 hour LC<sub>50</sub>, Rainbow Trout**

NA

INVERTEBRATE (Technical):

**48 hour LC<sub>50</sub>, *Daphnia magna***

NA

MOVEMENT & PARTITIONING:

**This chemical demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.**

## SECTION 11 - SHIPPING DATA

DOT PROPER SHIPPING NAME:

**Not regulated.**

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) RATINGS:

**Health 1**

**Flammability 1**

**Reactivity 1**

**Additional Labeling: None**

**0 = minimal hazard, 1= slight hazard, 2 = moderate hazard, 3 = severe hazard, 4 = extreme hazard**

## SECTION 12 - SPECIAL INSTRUCTIONS

SPECIAL INSTRUCTIONS:

**Store in an area that is clean, dry and cool. Store in an area away from food, feedstuffs, fertilizers and seed. Store in an area designated specifically for pesticides.**

## SECTION 13 - OTHER INFORMATION/PRECAUTIONS

TSCA STATUS:

**None**

SARA TITLE 3: SECTION 302 EXTREME/KEY HAZARDOUS SUBSTANCE:

**None**

SARA TITLE 3: SECTION 311/312 CATEGORIZATIONS (40CFR 370):

**N/A**

SARA TITLE 3: SECTION 313 INFORMATION (40CFR 372):

**None**

CALIFORNIA PROPOSITION 65:

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

STATE RIGHT-TO-KNOW INGREDIENTS:

**None**

OSHA HAZARD COMMUNICATION STANDARD:

**None**

CERCLA REPORTABLE QUANTITY:

**None**

OTHER INFORMATION/PRECAUTIONS:

**Read and follow all label instructions before use. Avoid contaminating water. Do not reuse containers. Open dumping is prohibited.**

COMMON ABBREVIATIONS THAT MAY HAVE BEEN USED: N/A = NOT APPLICABLE NA = NOT AVAILABLE N/D = NOT DETERMINED

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**DATE: 11/11/05 SH3**