

MATERIAL SAFETY DATA SHEET

**Quali-Pro® Quinclorac 75 DF**

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**1. IDENTIFICATION**

Product name: **Quali-Pro® Quinclorac 75 DF**  
 Chemical name of active ingredient(s): Quinclorac: 3,7-dichloro-8-quinolinecarboxylic acid  
 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 Prozar: Phone: 1-800-308-5391

**2. COMPOSITION/INFORMATION ON INGREDIENTS**

COMMON NAME	CAS NO.	%	OSHA PEL	ACGIH TLV	OTHER	NTP/IARC/OSHA (Carcinogen)
Quinclorac	84087-1-4	75	NE	NE	NA	Not listed
Inerts		25				
Including kaolin clay that may contain more than 0.1% crystalline silica				2 mg/m <sup>3</sup>		

NA=Not available.  
 NE=Not established.

**3. HAZARDS IDENTIFICATIONS**

**PHYSICAL PROPERTIES**

Appearance: Light tan granules  
 Odor: No appreciable odor

**EMERGENCY OVERVIEW:** CAUTION Harmful if swallowed or absorbed through the skin. Causes moderate eye irritation. Avoid contact with skin, clothing, or eyes. Avoid breathing dust or spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

**PRIMARY ROUTES OF EXPOSURE:** Skin and eye, ingestion and inhalation.

**MEDICAL CONDITIONS AGGRAVATED:** Existing skin sensitivities.

**4. FIRST AID MEASURES**

FIRST AID	
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Call poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• <b>DO NOT</b> induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• <b>DO NOT</b> give anything by mouth to an unconscious person.</li> </ul>
<b>IF ON SKIN:</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>
<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 INHALED:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>

**HOT LINE NUMBER**

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 (800) 308-5391 for emergency medical treatment information.

**NOTE TO PHYSICIAN**

Probable mucosal damage may contraindicate the use of gastric lavage. Have the product container or label with you when calling a poison control center or doctor or going for treatment.

**5. FIRE FIGHTING MEASURES**

**FLASH POINT:** N/A, will not flash

**FLAMMABLE LIMITS (LFL-UFL):** N/A

**EXTINGUISHING MEDIA:** Use foam, dry chemical, carbon dioxide, or water spray when fighting fires involving this material.

**FIRE AND EXPLOSION HAZARDS:** Organic solid dusts at sufficient concentrations can form explosive mixtures with air. Can burn in fire, releasing irritating and toxic gasses due to thermal decomposition or combustion.

**FIRE-FIGHTING PROCEDURES:** Evacuate area and fight fire upwind from a safe distance to avoid hazardous vapors and decomposition products. Dike and collect water used to fight fire to prevent environmental damage due to run off. Foam or dry chemical fire extinguishing systems are preferred to prevent environmental damage from excessive water run off. Full fire fighting turn-our gear (Bunker gear). Self-contained breathing apparatus with full facepiece.

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

**6. ACCIDENTAL RELEASE MEASURES**

Clean up spills immediately, observing precautions in Section 8 of this document.

**SMALL SPILL:** Vacuum or sweep up material and place in a container for reuse or disposal.

**LARGE SPILL:** Vacuum or sweep up material and place in a container for reuse or disposal. After removal, clean contaminated area thoroughly with water. Pick up wash liquid with additional absorbent and place in a disposable container.

**7. HANDLING AND STORAGE**

Do not contaminate water, food, or feed by storage or disposal.

**HANDLING:** Use only in a well-ventilated area. Minimize dust generation and accumulation.

**PESTICIDE STORAGE:** Store in a cool, dry and well ventilated area. **DO NOT** store under wet conditions.

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

**EYE PROTECTION:** Safety glasses or goggles

**SKIN PROTECTION:** Long-sleeve shirt, long pants, shoes plus socks.

**HAND PROTECTION:** Chemical-resistant gloves

**RESPIRATOR REQUIREMENTS:** When handling in enclosed area where exposure limits may be exceeded, a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C)

**ADDITIONAL PROTECTIVE MEASURES:**

Follow manufacturer's instructions for cleaning/maintaining 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 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 tan granules

**ODOR:** No appreciable odor

**pH:** 4.2

**BULK DENSITY:** 0.575 g/ml

**VAPOR PRESSURE:**  $< 1 \times 10^{-7}$  mmHg@20°C

**WATER SOLUBILITY(technical):** 65 ppm

**10. STABILITY AND REACTIVITY**

**STABILITY:** Stable, however may decompose if heated.

**CONDITIONS TO AVOID:** Avoid exposure to high moisture conditions for prolonged periods.

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

**HAZARDOUS POLYMERIZATION:** Product will not undergo polymerization.

**11. TOXICOLOGICAL INFORMATION**

**ACUTE TOXICITY/IRRITATION STUDIES**

Acute Oral LD50 (Rat):  $>2,000$  mg/kg

Acute Dermal LD50(Rat):  $>2,000$  mg/kg

Acute Inhalation LC50:  $>6.0$  mg/L

Eye Irritation: Moderately irritating

Dermal Irritation: Slightly irritating

Dermal Sensitization: Sensitization possible after repeated exposure

**MUTAGENIC DATA:** No evidence of mutagenic effects during *in vivo* or *in vitro* studies.

**ADDITIONAL DATA:** Not known to exhibit reproductive or teratogenic (birth defect) effects.

**12. ECOLOGICAL INFORMATION**

**ENVIRONMENTAL HAZARDS:** Keep out of lakes, ponds and streams. **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 water by cleaning of equipment or disposal of rinsate.

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

**FISH TOXICITY(Technical):**

96 hour LC<sub>50</sub>, Rainbow trout:  $> 100$  mg/L

96 hour LC<sub>50</sub>, Bluegill: > 100 mg/L

**AVIAN TOXICITY(Technical):**

ORAL LD<sub>50</sub>, Bobwhite quail: 2000 mg/kg

Oral LD<sub>50</sub>, Mallard duck: Unknown

**BEE TOXICITY:** Non-toxic

**13. DISPOSAL CONSIDERATIONS**

**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:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or 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**

**SARA TITLE III CLASSIFICATION:**

Section 302: Not applicable.

Section 311/312: Acute health hazard (immediate)

Chronic health hazard (delayed)

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**

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

**MSDS DATE:** 10-5-07.

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