

SELECT SOURCE, LLC

Material Safety Data Sheet

QUINCLORAC SELECT 75 DF HERBICIDE

Revision date: 11/15/2011

Page 1 of 6

1. Product and Company Identification Company

Product Name: Quinclorac Select 75 DF Herbicide
EPA Reg No. 7969-130-86869

Company:
Select Source, LLC
4609 E. Booneville-New Harmony Rd.
Evansville, IN 47725

24 Hour Emergency Response information
CHEMTREC: 1-800-424-9300

Chemical Name: Quinclorac
3,7-dichloro-8-quinolinecarboxylic acid
Molecular formula: C₁₀H₅Cl₂NO₂
Chemical family: Quinolinecarboxylic acid
Product Use: Herbicide

2. Composition/Information on Ingredients

Active Ingredient	CAS Number	Content (W/W)	OSHA PEL	ACGIH TLV	NTP/IARC/OSHA (Carcinogen)
Quinclorac	84087-01-4	75.0 %	NE	NE	Not listed

3. Hazards Identification

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.

Potential Health Effects:

Eyes: Moderately irritating
Skin: Slightly irritating
Ingestion: Slightly toxic
Inhalation: Avoid inhalation

SELECT SOURCE, LLC

Material Safety Data Sheet

QUINCLORAC SELECT 75 DF HERBICIDE

Revision date: 11/15/2011

Page 2 of 6

4. First-Aid Measures

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 do so by a poison control center or doctor.• Do not give anything by mouth to an unconscious person.
IF ON SKIN:	<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 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 first 5 minutes, then continue rinsing eye.• Call a poison control center or doctor for treatment advice.
IF INHALED:	<ul style="list-style-type: none">• 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 center or doctor for further treatment advice.
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: Not applicable

Extinguishing Media: foam, dry chemical, carbon dioxide, or water spray

Hazards during fire-fighting: If product is heated above decomposition temperature, toxic vapors will be released.

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, nitrogen dioxide, nitrogen oxide, hydrogen chloride, halogenated hydrocarbons, hydrocarbons.

Fire-fighting Procedures: Evacuate area of all unnecessary personnel. Contain contaminated water; Do not allow to enter drains or waterways. Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

SELECT SOURCE, LLC

Material Safety Data Sheet

QUINCLORAC SELECT 75 DF HERBICIDE

Revision date: 11/15/2011

Page 3 of 6

6. Accidental release measures

Personal precautions: Take appropriate protective measures. Clear area. Shut off source of leak only under safe conditions. Extinguish sources of ignition nearby and downwind. Ensure adequate ventilation. Wear suitable personal protective clothing and equipment.

Environmental precautions: Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters /groundwater. Contain contaminated water/firefighting water.

Cleanup: Dike spillage and pick up with suitable absorbent material. Place into suitable containers for reuse or disposal in a licensed facility. Spilled substance/product should be recovered and applied according to label rates whenever possible. If application of spilled substance/product is not possible, then spills should be contained, solidified, and placed in suitable containers for disposal. After decontamination, spill area can be washed with water. Collect wash water for approved disposal.

7. Handling and Storage

Handling: Wear long-sleeved shirt and long pants; chemical resistant gloves, and shoes plus socks. 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.

Storage: DO NOT store box under dampness or high humidity.

8. Exposure Controls and 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: Wear long-sleeved shirt and long pants; chemical resistant gloves, and shoes plus socks.

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) may be worn.

SELECT SOURCE, LLC

Material Safety Data Sheet

QUINCLORAC SELECT 75 DF HERBICIDE

Revision date: 11/15/2011

Page 4 of 6

9. Physical and Chemical Properties

Form:	granules, solid	Boiling point:	Not applicable
Odor:	mild, characteristic	Vapor pressure:	Negligible
Color:	tan	Bulk density:	565 - 593 g/l
pH value:	3.2	Solubility in water:	64 mg/l (approx. 20°C)
Melting point:	Not applicable.	Molar mass:	242.06 g/mol

10. Stability and Reactivity

Stability: Stable under normal use and storage conditions. May decompose if heated.

Conditions to avoid: Avoid exposure to high moisture conditions, extreme temperatures, and exposure to extreme heat for prolonged periods.

Materials to avoid: Strong oxidizing agents

Hazardous Decomposition Products: Carbon monoxide, carbon dioxide, nitrogen oxide, nitrogen dioxide, hydrogen chloride, halogenated hydrocarbons, hydrocarbons.

11. Toxicological information

Acute Toxicity/Irritation Studies:

Acute Oral LD50 (rat): > 2,200 mg/kg

Acute Inhalation LC50 (rat): > 6.1 mg/L (4 hrs)

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

Eye Irritation (rabbit): Moderately irritating

Skin Irritation (rabbit): Slightly irritating

Dermal Sensitization (guinea pig): Not a sensitizer

Mutagenicity: Results from a number of mutagenicity studies with microorganisms, mammalian cell culture and mammals are available. Taking into account all of the information, there is no indication that the substance is mutagenic.

Carcinogenicity: In long-term studies in rats and mice in which the substance was given by feed, a carcinogenic effect was not observed.

Reproductive toxicity: The results of animal studies gave no indication of a fertility impairing effect.

Development: No indications of a developmental toxic/teratogenic effect were seen in animal studies.

SELECT SOURCE, LLC

Material Safety Data Sheet

QUINCLORAC SELECT 75 DF HERBICIDE

Revision date: 11/15/2011

Page 5 of 6

12. Ecological Information

Environmental Hazards: 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. Keep out of lakes, ponds and streams. Do not apply directly to water, 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.

Ecotoxicity Effects (based on Quinclorac Technical):

96 hour LC50, Rainbow Trout: >100 mg/L
96 hour LC50, Bluegill: >100 mg/L
48 hour EC50, Daphnia magna: 29.8 mg/L
Oral LD50, Mallard Duck: 2000 mg/kg

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: Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) according to product label instructions.

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

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.

SELECT SOURCE, LLC

Material Safety Data Sheet

QUINCLORAC SELECT 75 DF HERBICIDE

Revision date: 11/15/2011

Page 6 of 6

16. Other Information

NFPA 704 (National Fire Protection Association):

HAZARD RATINGS

HEALTH: 2

FLAMMABILITY: 1

REACTIVITY: 1

0 = MINIMAL

1 = SLIGHT

2 = MODERATE

3 = HIGH

4 = SEVERE

DISCLAIMER: This product is a registered agricultural chemical and must therefore be used in accordance with the container label directions. The information contained herein is given in good faith and is believed to be correct, but no warrant, express or implied is made. Consult Select Source LLC for further information.