



**Idol Herbicide  
Safety Data Sheet**  
{Reserved}

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Supersedes Date: N/A

**1. Identification**

**Product Name:** Idol Herbicide

**PCP Registration No.:** 33906

Refer to the approved product label for handling and use instructions.

**Product Type:** Herbicide

**Supplier:** Nufarm Agriculture Inc.  
5101, 333 - 96th Ave NE  
Calgary, Alberta T3K 0S3, Canada  
1-800-868-5444

**Telephone Numbers:** 24 Hour Emergency Response Number, Chemtrec, 1-800-424-9300.  
For medical emergencies, ProPharma Group, 1-877-325-1840.  
For product and use information, Nufarm Agriculture Inc.,  
1-800-868-5444.

**2. Hazard Identification**

Emergency overview: DANGER! Cause irreversible eye damage. Harmful if swallowed, inhaled, or absorbed through the skin. Avoid contact with eyes, skin, or clothing. Avoid breathing vapor or spray mist.

Carcinogenicity information: None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IRAC, NTP, OSHA or ACGIH as a carcinogen.

**3. Composition / Information on Ingredients**

Hazardous Components	CAS No.	Wt. %
quizalofop-p-ethyl	100646-51-3	9.30-10.28
Chemical Synonyms: None		

Other ingredients are considered non-hazardous.

Content as Expressed on Product Label
Quizalofop-p-ethyl...96 g/L

#### **4. First Aid Measures**

**Inhalation:** Move person to fresh air. If person is not breathing, call an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

**Skin contact:** Immediately 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.

**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.

**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 told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

**Note:** Have the product container or label with you when calling a poison control center or doctor or going for treatment.

#### **5. Fire-fighting Measures**

Vapor forms explosive mixture with air.

Heating can release vapors which can be ignited. Extinguishing media: Water spray, foam, dry chemical, CO<sub>2</sub>.

Fire-fighting instructions: Evacuate personnel to a safe area. Keep personnel removed and upwind of fire. Wear self-contained breathing apparatus. Use water spray. Cool tank/ container with water spray.

#### **6. Accidental Release Measures**

Safeguards (Personnel): Review fire-fighting measures and handling (personnel) sections before proceeding with clean-up. Use appropriate personal protective equipment during clean-up.

Initial containment: Dike spill. Prevent material from entering sewers, waterways, or low areas.

Spill clean-up: Soak up with sawdust, sand, oil dry or other absorbent material. Shovel or sweep up.

Accidental release measures: If spill area is on ground near trees or other valuable plants remove top 2 inches of soil after initial clean up.

**7. Handling and Storage**

**Handling:** Do not get in eyes. Avoid breathing vapors or mist. Avoid contact with skin. Avoid contact with clothing. Wash thoroughly after handling. Wash clothing after use. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material. 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 personal protective equipment immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Combustible. Keep away from heat, sparks, and open flames. Keep container closed.

**Storage:** Storage product in original container only. Do not contaminate water, other pesticides, fertilizer, food or feed in storage. Store in a cool, dry place.

**8. Exposure Controls / Personal Protection**

**Engineering Controls:** Use only with adequate ventilation. Keep container tightly closed.

**Personal Protective Equipment:** Applicators and other handlers must wear long- sleeved shirt and long pants, chemical-resistant gloves, such as barrier laminate or viton, shoes plus socks, protective eyewear.

**9. Physical and Chemical Properties**

**NOTE:** Physical data are typical values but may vary from sample to sample. A typical value should not be construed as a guaranteed analysis or as a specification. If no value is determined for the formulation, the value listed is the most relevant value of the predominant ingredient(s).

<b>Appearance (physical state, colour, etc.)</b> .....	clear, brown liquid
<b>Odor</b> .....	No obvious odor
<b>pH</b> .....	5.0 – 8.0
<b>Flash point</b> .....	>75°C
<b>Relative density</b> .....	1.02 mg/ml
<b>Solubility(ies)</b> .....	soluble in water

**10. Stability and Reactivity**

**Chemical stability:** Stable at normal temperatures and storage conditions.

**Incompatibility with other materials:** None reasonably foreseeable.

**Polymerization:** Polymerization will not occur.

### 11. Toxicological Information

**Acute oral toxicity:** LD<sub>50</sub> for male rats is 5900mg/kg, for female rats is 4100mg/kg.

It is low level of toxicity by ingestion.

**Acute dermal toxicity:** LD<sub>50</sub> for rabbit is >2000mg/kg. It is slightly to moderately toxic by contact.

**Skin irritation and sensitization:** Product is a moderate skin irritant; but not considered a skin sensitizer.

**Inhalation:** LC<sub>50</sub>(4hrs) for male rats is 2.6mg/L, for female rats is 4.4mg/L, for combined rats is 3.5mg/L.

**Eye contact:** Severe irritant. Corneal opacity remained in one of 6 animals after day 21. All other animals were normal by this day.

### 12. Ecological Information

Toxic to aquatic organisms.

### 13. Disposal Considerations

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Disposal should be made in accordance with federal, provincial and local regulations.

**Waste disposal:** Treatment, storage, transportation, and disposal must be in accordance with local regulations. Do not flush to surface water or sanitary sewer system. Do not contaminate water, food or feed by disposal. Waste resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Environmental hazards:** 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 present, or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of equipment wash waters or wastes.

**Container disposal:** For plastic containers, 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. For Fiber sacks, completely empty fiber sack by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into manufacturing or application equipment. Then dispose of sack in a sanitary landfill or by incineration if allowed by local authorities. For fiber drums with liners, completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of liner in a sanitary landfill or by incineration, if allowed

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by local authorities. If drum is contaminated and cannot be reused, dispose of in the same manner. For bags containing water soluble packets, do not reuse the outer box or the resealable plastic bag. When all water-soluble packets are used, the outer packaging should be clean and may be disposed of in a sanitary landfill or by incineration, or if allowed by local authorities, by open burning. If burned, stay out of smoke. If the resealable plastic bag contacts the formulated product in any way, the bag must be triple-rinsed with clean water. Add the rinse to the spray tank and dispose of the outer wrap as described above. For metal containers (non-aerosol), triple rinse (or equivalent) the container. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by local authorities. For paper and plastic bags, completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by local authorities, by burning. If burned, stay out of smoke.

#### **14. Transport Information**

##### **Canadian TDG Description (Road & Rail):**

UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (quizalofop-ethyl), Class 9, PG III

Marine pollutant

Section 1.45.1 of the TDG Regulations provides an exemption from documentation and safety marks only for this product and only when transported by a road or railway vehicle.

##### **United States DOT Description:**

###### **DOT:**

UN3082, environmentally hazardous substance, liquid, n.o.s., (quizalofop-ethyl), 9, III, Marine Pollutant

###### **IMDG:**

UN3082, environmentally hazardous substance, liquid, n.o.s., (quizalofop-ethyl), 9, III, Marine Pollutant

###### **IATA :**

UN3082, environmentally hazardous substance, liquid, n.o.s., (quizalofop-ethyl), 9, III, Marine Pollutant

#### **15. Regulatory Information**

*Pest Control Products Act* Registration Number: ..... 33906

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This chemical is a pest control product registered by Health Canada Pest Management Regulatory Agency and is subject to certain labelling requirements under the Pest Control Products Act. These requirements differ from the classification criteria and hazard information required for GHS-consistent safety data sheets. Following is the hazard information required on the pest control product label:

DANGER – CORROSIVE TO EYES  
SKIN IRRITANT  
POTENTIAL SKIN SENSITIZER

WHMIS exempt.

#### **16. Other Information**

This Safety Data Sheet (SDS) is designed to comply with the Globally Harmonized System (GHS) of classification, and the *Hazardous Products Regulations*.

This SDS provides important health, safety and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use. The product labeling provides that information specifically for product use as intended.

Company and published information is used in the development of this SDS. The information herein is presented in good faith and believed accurate at the date of publication. However, no warranty, expressed or implied, is given.

Revisions to the last issue: New.

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