



Fengle Agrochem

# Anhui Fengle Agrochemical Co., Ltd.

Reg Address Hefei Circular Economy Demonstration Park, Feidong County Hefei Anhui China

Tel 0086-551-65360940 65360941 65360917 Fax 0086-551-65360941

Email huangji@fengle-agrochem.com http://www.fengle-agrochem.com

## MATERIAL SAFETY DATA SHEET

### Quizalofop-P-ethyl 125 g/l

#### 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

**Company Name:** Anhui Fengle Agrochemical Co., Ltd.

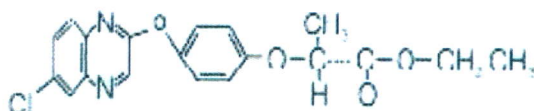
**Address:** Hefei Circular Economy Demonstration Park, Feidong County, Hefei City, Anhui Province, China.

**Common Name:** QUIZALOFOP-P-ETHYL125 G/L EC

**Chemical Name:** ethyl (R) 2-{4-[(6-chloroquinoxalin-2-yl)oxy] phenoxy} propanoate (IIPAC)

**Chemical Family:** Phenoxypropionic ester

**Structural Formula:**



**Product type:** Herbicide

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Component Name	CAS No.	Proportion Ingredients
Quizalofop-P-ethyl	100646-51-3	125 g/L min.
Other ingredients	/	875 g/L max.

#### 3. HAZARDS IDENTIFICATION Potential Health Effects

DANGER! Cause eye irritation with tearing, pain or blurred vision. May irritate skin, nose, and throat.

May be harmful if absorbed through the skin, swallowed, or inhaled.

#### 4. FIRST AID MEASURES

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**INHALATION:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

**SKIN CONTACT:** In case of contact, immediately wash skin with soap and water. Wash contaminated clothing before reuse.

**EYE CONTACT:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

**INGESTION:** If swallowed, do not induce vomiting. Immediately give 2 glasses of water. Never give anything by mouth to an unconscious person. Call a physician.

**NOTES TO PHYSICIANS:** Activated charcoal mixture may be administered. To prepare activated charcoal mixture, suspend 50 grams activated charcoal in 400 mL water and mix thoroughly.

## 5. FIRE FIGHTING MEASURES Media:

Small Fires: Dry chemical, carbon dioxide (CO<sub>2</sub>)

Large Fires: Foam, water, Move containers from fire area if without risk. Cool containers with water from maximum distance.

### Fire Fighting Instructions:

Keep upwind. Isolate hazard area. Avoid inhalation of smoke and fumes. Use water or foam to reduce fumes. Do not touch leaked material.

## 6. ACCIDENTAL RELEASE MEASURES Safeguards (Personnel):

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Keep away from heat, sparks and flames.

*NOTE:* 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 (Personnel):**

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.

### **Handling (Physical Aspects):**

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**Eye/Face Protection:** Goggles or face-shield

**Storage:**

Store in a well ventilated place. Keep container tightly closed. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material.

Do not subject to temperatures below 32 deg F.

**Work/Hygienic Procedures:**

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. Wash the outside of gloves before removing. Then wash thoroughly and put on clean clothing. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this products concentrate. Do not reuse them. 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. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** Control airborne concentrations below the exposure guidelines. Use with adequate ventilation. Local exhaust ventilation maybe necessary, when used in a confined area. Handle only in ventilated areas.

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**Body Protection:** Impermeable rubber gloves (such as neoprene or PVC). Hat impermeable pant and shirts waterproof boots.

**Respiratory Protection:** In case of spill, leak or emergency, use chemical cartridge-type respirator approved by the National Occupational Health and Safety.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Light yellow liquid

**pH:** 5.0-7.0

## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable

**Hazardous Polymerization (Conditions to Avoid):** Will not occur

## 11. TOXICOLOGICAL INFORMATION

**Acute Oral Toxicity (For a.i.)**

**Chronic Effects:** (2-Year) NOEL (rats) 0.9/1.1 mg/kg/day (M/F) (based on the racemate)

Rat (male): LD<sub>50</sub>: 1210 mg/kg; Rat (female): LD<sub>50</sub>: 1182 mg/kg;

Mouse (male): LD<sub>50</sub>: 1753 mg/kg; Mouse (female): LD<sub>50</sub>: 1805 mg/kg;

**Acute Dermal Toxicity Rat:**

LD<sub>50</sub>: > 2,000 mg/kg **Eye &**

**skin Irritation** (rabbit)

Causes slight irritation for rabbit skin, moderate irritation for rabbit eyes.

**Mutagenic Effect:** Negative (data of Quizalofop-P-ethyl)

**Carcinogenicity:** No carcinogen (based on the racemate) (data of Quizalofop-P-ethyl)

**Reproductive Effect:** No data available

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(data of Quizalofop-P-ethyl)

**Target Organs:** No data available.

**Medical Conditions Generally Aggravated by Exposure:** No data available

## 12. ECOLOGICAL INFORMATION

### Environmental Precautions

Acute oral LD<sub>50</sub> for Mallard ducks and bobwhite quail >2000 mg/kg; LC<sub>50</sub> (96h) for rainbow trout >0.5 mg/l. LC<sub>50</sub>(48h) for daplmlia 0.29 mg/l. (For a.i.)

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal:** Treatment, storage, transportation and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations. Do not flush to surface water or sanitary sewer system. Pesticides, spray mixture, or rinsate that cannot be used according to label instructions must be disposed of according to applicable Federal, State or Local procedures. Triple rinse (or equivalent) the container and dispose of in a sanitary landfill or by incineration if allowed by State and Local authorities.

## 14. TRANSPORT INFORMATION

### SHIPPING NAME:

Environmentally hazardous substance, liquid, N.O.S. (Quizalofop-P-ethyl 125 g/L EC)

### CLASS OR DIVISION: 9

**PACKING GROUP:** 111

**UN NUMBER:** 3082

## 15. REGULATORY INFORMATION

Not available

## 16. WARRANTY

This information contained herein is based on our current knowledge. It characterizes the product with regard to the appropriate safety precautions. Therefore it does not represent a guaranty of any specific quality relating to the product, which will depend on the terms of the contract of sale.

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