

SAFETY DATA SHEET

Product Name: Quizalofop-p-ethyl 10% EC Issue Date: September 15th, 2021

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product Name: WYNCA SUN-QUIZ HERBICIDE

Chemical Type: Herbicide

Restrictions on use: See product label for restrictions

Pest Control Products (PCP) Act Registration No.: 35341

Supplier information:

Zhejiang Xinan Chemical Industrial Co., Ltd. Tel: +86-571- 64723891

Xinjiang, Jiande, Zhejiang Province, P. R. China

Emergency Phone: +86 -571-6472- 3891

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008

H316 Causes mild skin irritation, Category3

H319 Causes serious eye irritation. Category2A

Adverse physicochemical, human health and environmental effects

No additional information available

Label elements

Hazard pictograms



Signal word: Warning

Precautionary statements:

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 - Wash hands thoroughly after handling.

P272 - Contaminated work clothing should not be allowed out of the workplace.

P273 - Avoid release to the environment.

P280 - Wear protective gloves, eye protection, face protection, protective clothing.

P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 - Immediately call a doctor, a POISON CENTER.

P332+P313 - If skin irritation occurs: Get medical advice/attention.

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

P362+P364 - Take off contaminated clothing and wash it before reuse.

P391 - Collect spillage.

P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

EUH-statements: EUH401 - To avoid risks to human health and the environment, comply with the instructions for use.

Other hazards

No additional information available

3. COMPOSITION INFORMATION

Component Name	CAS-No.	Concentration (% w/w)
Quizalofop-p-ethyl	100646-51-3	10
Insert	-	Balance

4. FIRST AID MEASURES

General advice

Move the person out of the danger zone. Lay down and transport the affected person in a stable lateral position. Immediately remove contaminated clothing and dispose of it in a controlled manner.

Inhalation

Move outdoors. Keep patient warm and at rest. Call a physician or Poison Control Center immediately.

Skin contact

Wash immediately with lots of soap and water. If symptoms persist check with your doctor.

Eye contact

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. After the first 5 minutes remove the lenses, if present, and continue rinsing the eye. Consult a doctor if irritation develops and persists.

Ingestion

Rinse mouth. Do not induce vomiting. Call a physician or Poison Control Center immediately.

Symptoms

No known or expected symptoms.

Treatment

Treat symptomatically. In case of significant ingestions, gastric lavage should be considered within the first two hours. There is no specific antidote.

5. FIRE FIGHTING MEASURES

Extinguishing media: Water spray. Dry powder. Foam. Carbon dioxide.

Special exposure hazards: In case of fire: Carbon monoxide. Nitrogen oxides. Carbon dioxide. Toxic fumes may be released.

Fire and explosion hazards: In case of fire and/or explosion do not breathe fumes.

Advice for firefighters:

Precautionary measures fire: Keep container tightly closed and away from heat, sparks and flame. Keep away from combustible materials.

Firefighting instructions: Appropriate self-contained breathing apparatus may be required. Get the package away from the fire if this can be done without risk. Prevent firefighting water from entering the environment.

Protection during firefighting: Wear fire/flame resistant/retardant clothing. Do not enter fire area without proper protective equipment, including respiratory protection.

Other information: Do not allow material to contaminate surface water system.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:

For non-emergency personnel

Protective equipment: Wear suitable protective clothing, gloves and eye or face protection. Chemical resistant gloves (according to European standard NF EN 374 or equivalent). Wear eye protection. Personal protective equipment.

Emergency procedures: Evacuate personnel to a safe area.

For emergency responders

Protective equipment: Wear suitable hand, body and head protection.

Environmental precautions: Avoid release to the environment. Minimize spread. Prevent further leakage or spillage if safe to do so. Contain contaminated water/firefighting water. If the product contaminates rivers and lakes or drains inform respective authorities.

Method for cleaning up:

For containment: Label the container and provide warning statements to prevent any contact.

Methods for cleaning up: Soak up with inert absorbent material (for example sand, sawdust, a universal binder, silica gel). Clean spills promptly. Wash contaminated area with large amounts of water.

7. HANDLING AND STORAGE

Precautions for safe handling

Additional hazards when processed: Do not allow run-off from firefighting to enter drains or water courses. Do not contaminate water with the product or its container (Do not clean application equipment near surface water/Avoid contamination via drains from farmyards and roads).

Precautions for safe handling: Avoid contact with skin and eyes. Do not eat, drink or smoke in areas where product is used. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Remove contaminated clothing and shoes. Wash clothing and equipment after handling.

Conditions for safe storage, including possible incompatibilities

Technical measures: Ensure adequate ventilation, especially in confined areas. Store locked up.

Storage conditions: Keep only in original container. Store in a dry place. Store in a closed container. Store in a well-ventilated place. Protect from sunlight.

Storage temperature: 0 - 30 °C

Packaging materials: Keep only in the original container in a cool, well-ventilated place away from combustible materials.

Indications for common storage

Keep separate from food, drinks and feed.

Specific end uses

Refer to label instructions and/or package insert.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protection

Under normal conditions of use and handling, refer to the instructions on the label and/or the package insert. In all other cases, the following recommendations should be applied.

Respiratory protection

Respiratory protection is not required under anticipated exposure conditions.

Respiratory protection should be used only to avoid residual risk from activities of short duration, when all possible measures to reduce exposure at the source have been taken, e.g. containment or exhaust and local exhaust ventilation. Always follow the respiratory protection equipment manufacturer's instructions for use and maintenance.

Hand protection

Use nitrile gloves (minimum thickness 0.4 mm) certified CE (or equivalent approval). Wash them if they get dirty. Eliminate them when they become contaminated inside, when they are perforated or when the external dirt cannot be removed. Wash your hands frequently and always before eating, drinking, smoking or using the toilet.

Eye protection

Wear safety goggles (compliant with EN166, field of use = 5 or equivalent approval).

Skin and body protection

Wear standard coveralls and category 3 type 4 protective clothing.

In case of significant exposure risk, consider a higher type of protective clothing.

Wear two layers of clothing whenever possible. A cotton or polyester/cotton coverall should be worn under the chemical protective suit and should be professionally laundered frequently.

If the chemical protective suit is splashed, sprayed, or significantly contaminated, decontaminate as much as possible and carefully remove it. Dispose of according to the manufacturer's instructions.

General protection measures

In case of direct handling and possible contact with the product: Full chemical protection suit.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid

Colour: Yellow to dark amber

Odour: Aromatic odour

pH (1 % Aqueous solution): 5.0 – 7.0

Oxidation / Reduction: Compatible with water, kerosene, mono-ammonium phosphate, potassium permanganate and zinc dust.

Viscosity of liquids: 3.48 ± 0.01 cP (mPa s), at 20 ± 0.1 °C.

Flash point: 55.53 ± 0.06 °C at the normal atmospheric pressure (i.e., 755.18 ± 0.58 mm Hg)

Specific gravity: 0.95-0.98 g/mL, at 20 ± 0.5 °C

Miscibility: Miscible with Ultrapure water (Milli-Q Water), Methanol and Hexane.

Surface tension (1 g/l aqueous solution): 36.14 ± 0.42 mN/m at 20 °C.

Explosibility: Non-explosive

10. STABILITY AND REACTIVITY

Stability: Stable under normal use and storage conditions.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Heat. High temperature. Open flame. Direct sunlight.

Materials to Avoid: No additional information available.

Hazardous Decomposition Products: Can decompose at high temperatures forming toxic gases.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Oral: LD₅₀ acute oral (rats): 5000 mg/kg b.w.

Inhalation: Type of value: LC₅₀ Species: rat(male/female) Value:> 5.157 mg/l.

Exposure time: 4 h. An aerosol was tested.

Dermal: LD₅₀ acute dermal (rats): > 2000 mg/kg b.w.

Irritation / corrosion

Eye: Causes serious eye irritation. (rabbit)

Skin: Mildly irritating. (rabbit)

Sensitization

Not considered as positive.

12. ECOLOGICAL INFORMATION

Toxicity

Oncorhynchus mykiss: LC₅₀(96 h)> 100 mg/L

Aquatic invertebrates (Daphnia magna): LC₅₀(48 h)> 100 mg/L

Honeybee:

Oral: The LD₅₀ value with its respective 95% lower and upper confidence limits of quizalofop-p-ethyl 10% EC at 24 h and 48 h was determined as 698.232 (563.638 – 864.968) µg/bee.

Contact: The LD₅₀ value with its respective 95% lower and upper confidence limits of quizalofop-p-ethyl 10% EC at 24 h and 48 h was determined as 796.159 (610.942 – 1037.528) µg/bee.

Earthworm: The 14-day LC₅₀ value for quizalofop-p-ethyl 10% EC with 95% lower and upper confidence limit was 240.991 (225.944 and 257.040) mg/kg dry weight of the artificial soil.

The LD₅₀ to Japanese quail (Coturnix japonica) is greater than 2000.0 mg/kg body weight.

Mutagenicity

Micronucleus test: Quizalofop-p-ethyl 10% EC does not have micronucleus induction potential in male mice.

Ames test: Quizalofop-p-ethyl 10% EC is concluded to be non-mutagenic in the Bacterial Reverse Mutation Test using Salmonella typhimurium.

Transformation in soil:

Quizalofop-p-ethyl 10% EC does not have a long-term influence on the carbon transformation in soil.

Quizalofop-p-ethyl 10% EC does not have a long-term influence on the nitrogen transformation in the soil.

13. DISPOSAL INFORMATION

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

Product

Observing the rules in force and, if necessary, after consulting the person responsible for the disposal and the competent authority, the product can be taken to a spillway or to an incineration plant.

Contaminated containers

Vacate the remaining container. Flush the containers three times. Do not reuse empty containers. Dispose of as unused product.

14. TRANSPORT INFORMATION

IATA_C

UN NUMBER: UN 3334

PROPER SHIPPING NAME: AVIATION REGULATED LIQUID, N.O.S.

TRANSPORT HAZARD CLASS(ES): 9

PACKING GROUP: III

IMDG

UN NUMBER: UN 3082

PROPER SHIPPING NAME: ENVIRONMENTALLY HAZARDOUS SUBSTANCE,
LIQUID, N.O.S.

TRANSPORT HAZARD CLASS(ES): 9

PACKING GROUP: III

Marine pollutant : yes (Quizalofop p-ethyl)

Not regulated by TDG when transported solely on land by road or railway vehicle.

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): The ingredients of this product are listed on the TSCA inventory or are exempt.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT)

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: Acute Health Hazard, Chronic Health Hazard

313 REPORTABLE INGREDIENTS: None.

EU-REGULATIONS

Contains no substance subject to REGULATION (EU) No 649/2012 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Other information, restriction and prohibition regulations: according to Regulation (EU) 2015/830.

16. OTHER INFORMATION

This safety data sheet complements the technical instructions for the user, but does not replace them. The data contained therein are based on the available knowledge about the product referred to in the indicated review period. It strongly warns users of the possible risks that it supposes to use a product for purposes different from those for which it has been created. The information provided is in accordance with current community regulations. Recipients of this form are required to observe any additional national regulatory requirements.