

**SAFETY DATA SHEET**

In accordance with Regulation (EC) No 1907/2006, as amended by Regulation (EU) No 2015/830

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1. Product identifier**

Product Name	Quizalofop ethyl Technical
Chemical Name	ethyl 2-[4-(6-chloroquinoxalin-2-yl)oxyphenoxy]propanoate
Type	Herbicide
Molecular formula	$C_{17}H_{17}ClN_2O_4$

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use	Preparation of Insecticide formulations
-----------------	---

1.3. Details of the supplier of the safety data sheet

Supplier Name &Address	CROPNOSYS INDIA PVT. LTD Plot No. 5303, GIDC Estate, Phase IV, Vapi, District - Valsad PIN- 396195, Gujarat, INDIA
Tel No.	+91 22 652 26797

For further information, please contact

Email address	info@cropnosysindia.com
Website	www.cropnosysindia.com

1.4. Emergency telephone number

Emergency Telephone	+91 22 652 26797
---------------------	------------------

Section 2: HAZARD IDENTIFICATION**2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]**

Acute toxicity, Oral (Category 4), H302
Acute toxicity, Dermal (Category 4) H312
Hazardous to the aquatic environment, short-term (Acute) (Category 1) H 400
For the full text of the H-Statements mentioned in this Section, see Section 16.

2.2. Label elements

Labelling according Regulation (EC) No 1272/2008 [CLP]

Pictogram



Signal word (CLP): **Warning**

Hazard statements (CLP):

H400 - Very toxic to aquatic life

H302 + H312 Harmful if swallowed or in contact with skin.

Precautionary statements (CLP):

P264 - Wash hands thoroughly after handling hands, fore arms and face

P270 - Do not eat, drink or smoke when using this product

P273 - Avoid release to the environment

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...

P301+P312 - IF SWALLOWED: Get medical help

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

P330 Rinse mouth.

2.3 Other hazards - none

Section 3: COMPOSITION/ INFORMATION ON INGREDIENTS

Component	CAS-No.	Classification	Content
Quizalofop Ethyl	76578-14-8	Acute Tox. 4; Aquatic Acute 1; H302, H312, H400 M-Factor - Aquatic Acute: 1	98.0%
Other ingredients	-	-	2.0%

For the full text of the H-Statements mentioned in this Section, see Section 16.

Section 4: FIRST AID MEASURES

Skin Contact: Immediately wash skin with soap and plenty of water for at least 15 minutes. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

Eye Contact: Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Have eyes examined and tested by medical personnel.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Get immediate medical attention.

Ingestion: Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Get medical attention. Do NOT induce vomiting unless directed to do so by medical personnel.

Antidote: No specific antidote if ingested. Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

Suitable extinguish Media: Use alcohol-resistant foam, carbon dioxide, water, or dry chemical spray. Use water spray to cool fire-exposed containers.

Unsuitable Extinguishing Media: A solid water stream may be inefficient.

Special hazards arising from the substance or mixture

Carbon oxides

Nitrogen oxides (NO_x)

Hydrogen chloride gas

Combustible. Development of hazardous combustion gases or vapours possible in the event of fire.

Advice for firefighters Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

Further information Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire extinguishing water from contaminating surface water or the ground water system.

Section 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Advice for non-emergency personnel: Avoid inhalation of dusts. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert.

For personal protection see section 8.

Environmental precautions

Do not let product enter drains.

Methods and materials for containment and cleaning up

Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions. Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

Reference to other sections

For disposal see section 13.

Section 7: HANDLING & STORAGE

Handling: Use appropriate (impervious) clothing, gloves and closed foot ware to prevent the repeated contact with skin. Use flash proof and dust resistant goggles to prevent the contact with eyes.

Storage: Keep the product in original container tightly closed and correctly labeled. Store in suitable, cool, dry, well ventilated place under lock and key; away from the reach of the children, animals, food and animal feeding stuffs. Store away from the incompatible substances and source of ignition.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Good general ventilation should be sufficient for most conditions. Local exhaust ventilation may be necessary for some operations.

Ingestion: DO NOT eat, drink or apply cosmetics, where there is a potential for exposure to the product.

Eye Protection: Safety goggles, chemical splash goggles or face shield for eyes protection should be used. Safety showers and eye wash should be easily available.

Skin Protection: Chemical resistant gloves, coveralls socks, apron and chemical resistant foot covering should always be used while handling the product.

Respiratory protection: Always use respiratory protection equipment with a universal filter type including particle filter.

General Protection: Avoid contact with eyes and skin. While handling the product wear cotton overalls buttoned to the neck and wrist. Elbow-length PVC gloves and face shield. After use and before eating, drinking and smoking, wash hands, arms and face thoroughly with soap and water. After each day's use, wash gloves and contaminated clothing.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

State: Solid

Appearance: White to light yellow powder

Odor: Characteristic

Solubility: 0.61 mg/l

Melting Point: 90 – 91 °C

SECTION 10: STABILITY AND REACTIVITY

Stable under normal use and storage conditions.

Incompatible materials: Strong acids, strong bases.

Decomposition byproducts: Carbon dioxide, carbon monoxide, hydrogen chloride gas, nitrogen oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Oral LD50: 1210 mg/kg body weight (Rat)

Acute Dermal LD50: 2000 mg/kg body weight (Rabbit)

Acute Inhalation LC50: 2.6 mg/l (4 h) (rat)

Skin Irritation: Moderate skin Irritant (Rabbit)

Eye Irritation: Slight irritating to eyes (Rabbit)

Skin Sensitization: No sensitization reaction observed in guinea pigs

SECTION 12: ECOLOGICAL INFORMATION

Bird

Bobwhite Quail LD50 >2000 mg/kg,

Mallard duck LD50 >2000 mg/kg

Fish

The LC50 in Rainbow trout >0.5 mg/l.

SECTION 13: DISPOSAL

Waste Disposal Method: Do not reuse product containers. Dispose of product containers, waste containers, and residues according to local, state, and federal health and environmental regulations

Section 14: TRANSPORT CONSIDERATIONS

Product Name: Environmentally Hazardous Substance, Solid, N.O.S

UN No.: 3077 UN

Hazard Class: 9

UN Packing Group: III

Marine Pollutant status: Yes

SECTION 15: REGULATORY INFORMATION

Hazardous symbol Xn Harmful

Special Risks (R-Phrases)

R22 Harmful if swallowed

Safety Advice (S- Phrases)

S 1/2 Keep locked up / Keep out of reach children

S28 After contact with skin, wash immediately with plenty of water and soap

S36/37 Wear suitable protective clothing and gloves

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical help.

SECTION 16: OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

H302 Harmful if swallowed.

H302 + H312 Harmful if swallowed or in contact with skin.

H312 Harmful in contact with skin.

H400 Harmful if swallowed or in contact with skin.

This Material Safety Data Sheet summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this company.

