



MATERIAL SAFETY DATA SHEET

Manufacturer/information service:

ZHEJIANG RAYFULL CHEMICALS CO.,LTD

ADD: NO.52 PUCHANG ROAD, PUZHOU INDUSTRIAL PARK, LONGWAN DISTRICT,
WENZHOU ZHEJIANG P.R. CHINA

Tel: +86-577-88905587

Fax: +86-577-88905567

Email: info@rayfull.com

sales@rayfull.com

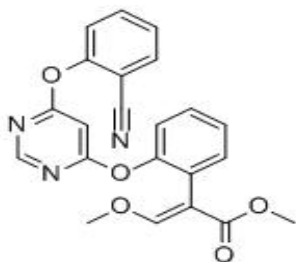
1. Chemical Product Identification

Product Name: Azoxystrobin 98% TC

Molecular Formula: C₂₂H₁₇N₃O₅

Molecular Weight: 403.4

Structural Formula:



Chemical Name:

methyl (E)-2- {2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl}-3-methoxyacrylate

Form: Powder

Colour: Light yellow

CAS No.: 131860-33-8

2. Composition / Information On Ingredients

Composition	Chemical name	Content
Active ingredient	Azoxystrobin	98%
Other ingredient	-----	2%

3. Hazards Identification



Health and Environmental: Harmful if swallowed. Causes mild eye and skin irritation.

Hazardous Decomposition Products: None known.

Unusual Fire, Explosion and Reactivity Hazards: During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.

4. First Aid Measures

Ingestion: Rinse mouth with water. Give one or two glasses of water and induce vomiting by touching the back of the throat with finger. Get medical attention immediately. Do not give anything by mouth or induce vomiting to an unconscious person.

Eye Contact: Immediately rinse with running water for at least 15 minutes. Seek medical advice.

Skin Contact: Remove all contaminated clothing and footwear from the affected area. Immediately rinse with running water. Wash skin thoroughly with soap and water. If irritation persists, seek medical advice.

Inhalation: If respiratory discomfort occurs, move the person to fresh air. If not breathing, give mouth-to-mouth resuscitation (or artificial respiration). Keep warm with blanket and keep at rest. Seek medical advice.

Notes to Physician: Treatment is symptomatic.

5. Fire-Fighting Measures

Unusual Fire, Explosion and Reactivity Hazards: During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.

In Case of Fire: Use dry chemical, foam or CO₂ extinguishing media. Wear full protective clothing and self-contained breathing apparatus. Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes or products of combustion. Prevent use of contaminated buildings, area, and equipment until decontaminated. Water runoff can cause environmental damage. If water is used to fight fire, dike and collect runoff

6. Accidental Release Measures

In Case of Spill or Leak: Control the spill at its source. Contain the spill to prevent from spreading or contaminating soil or from entering sewage and drainage systems or any body of water. Clean up spills immediately, observing precautions in Protective Equipment Section. Cover entire spill with absorbing material and place into compatible disposal container.



Scrub area with hard water detergent (e.g. commercial products such as Tide, Joy, Spic and Span). Pick up wash liquid with additional absorbent and place into compatible disposal container. Once all material is cleaned up and placed in a disposal container, seal container and arrange for disposition.

7. Handling And Storage

Store the material in a well-ventilated, secure area out of reach of children and domestic animals. Do not store food, beverages or tobacco products in the storage area. Prevent eating, drinking, tobacco use, and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.

8. Exposure Controls/personal protection

Engineering Controls: Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, the following traditional exposure control techniques may be used to effectively minimize employee exposures: general area dilution/exhaust ventilation.

Eye/Face Protection: Eye and face protection requirements will vary dependent upon work environment conditions and material handling practices. Appropriate equipment should be selected for the particular use intended for this material. Eye contact should be prevented through use of chemical safety glasses with side shields or splash proof goggles. An emergency eye wash must be readily accessible to the work area.

Body Protection: Applicators and other handlers must wear long-sleeved shirts, long pants, chemical resistant, waterproof gloves, and shoes plus socks during mixing, loading, applying and clean-up and repair activities. Where overhead exposure is possible, chemical resistant headgear should be worn.

9. Physical And Chemical Properties

Appearance: Light yellow powder

Density: 1.34 g/ml

pH: 5.0-8.0

Melting Point: 116°C

Boiling point: 360°C

Partition Coefficient: log P= 2.5 (pH 7, 20°C)



Vapour pressure: 1.1×10^{-7} mPa (25°C)

Solubility: 6.7 mg/L in water (20°C); In organic solvents: acetone 86 g/l, toluene 55 g/l, hexane 0.057 g/l, methanol 20 g/l (all at 20°C).

10. Stability And Reactivity

Stability: Stable under normal use and storage conditions.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: None known.

Materials to Avoid: None known.

Hazardous Decomposition Products: None known.

11. Toxicological Information

Acute oral LD50 for rats: >5000 a.i.mg/kg

Acute dermal LD50 for rats: >2000 a.i.mg/kg

Acute inhalation toxicity LC50 (4h) for rats: >0.69 a.i. mg/L

Skin irritation: Slightly irritating to rabbits

Eye irritation: Slightly irritating to rabbits

Skin Sensitization: Non-sensitive (Guinea Pig)

12. Ecological And Ecotoxicological Information

Effects on bees:

Oral acute 48 hour LD50 is >25 µg/bee, contact acute 48 hour LD50 is >200 µg/bee

Effects on fish:

Acute 96 hour LC50 for Rainbow trout is 0.47 mg/l.

Effect on aquatic invertebrates:

Acute 48 hour EC50 for Daphnia magna is 0.23 mg/l

Effects on birds:

Acute oral LD50 for Bobwhite quail is >2000 mg/kg

Effect on algal:

Acute 72 hour EC50 is 0.36 mg/l

13. Disposal Considerations



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Disposal Methods: Open dumping or burning of this material or its packaging is prohibited. If spilled material cannot be disposed of by use according to label instructions, an acceptable method of disposal is to incinerate in accordance with local, state and national environmental laws, rules, standards and regulations. However, because acceptable methods of disposal may vary by location and regulatory requirements may change, the appropriate agencies should be contacted prior to disposal.

14. Transport Information

Not applicable

15. Regulatory Information

Not applicable

16. Other Information

All information and instructions provided in this Material Safety Data Sheet (MSDS) are based on the current state of scientific and technical knowledge at the date indicated on the present MSDS and are presented in good faith and believed to be correct. This information applies to the product as such. In case of new formulations or mixes, it is necessary to ascertain that a new danger will not appear. It is the responsibility of persons on receipt of this MSDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produce formulations containing this product, it is the recipients sole responsibility to ensure the transfer of all relevant information from this MSDS to their own MSDS.