

MATERIAL SAFETY DATA SHEET

Manufacturer/information service:

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1. Chemical Product

Identification Product

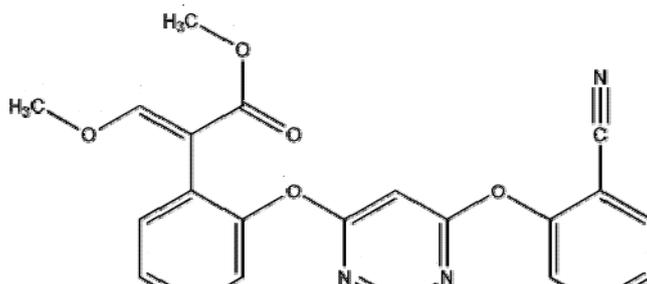
Name: Azoxystrobin

Molecular Formula:

$C_{22}H_{17}N_3O_5$

Molecular Weight: 403.39

Structural Formula:



Chemical Name: methyl (E)-2-[2[6-(2-cyanophenoxy) pyrimidin-4- yloxy] phenyl]-3-methoxy

acrylate. Form:

powdery solid

Color: White

Odor: Odorless

CAS No.: 131860-33-8

UN NO.:3082

2. Composition / Information On Ingredients

Composition	CAS No.	Content %
Azoxystrobin	131860-33-8	20.0
Other ingredients		80.0

3. Hazards Identification

Physical hazards: none

Health hazards: this material may cause mild irritation following eye contact.

4. First Aid Measures

Eyes: immediately flush with plenty of water for at least 15 minutes. If redness, itching or a burning sensation develops, have eyes examined and treated by medical personnel.

Skin: wash material off the skin with plenty of soap and water. Irritation will probably not develop following contact with human skin, If redness, itching or a burning sensation develops, get medical attention.

Swallowed: provided the patient is conscious, give 1 or 2 glasses of water to drink. Vomiting should only be induced under the direction of a physician or a poison control center. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of vomitus, rinse mouth and administer water. Immediately transport victim to an emergency facility.

Inhaled: remove victim to fresh air. Apply artificial respiration if breathing has ceased or shows signs of failing. Obtain medical attention as a precaution.

5. Fire-Fighting Measures

Extinguishing Media: For small fires, use foam, carbon dioxide or dry powder extinguishant. For large fires, use foam or water-fog; avoid use of water jet. Contain run-off water with, for example, temporary earth barriers.

Protective equipment: a self contained breathing apparatus and suitable protective clothing must be worn in fire conditions.

6. Accidental Release Measures

Environmental precautions: washing must be prevented from entering surface water drains.

Methods for cleaning up: cover spillage with moist sand, soil or sawdust. Transfer to a container for disposal. Wash the spillage area with water, and flush to a sewer serviced by a wastewater treatment facility, if that facility is permitted to treat such wastewaters. Washings must be prevented from entering surface water drains.

7. Handling and Storage

Safe handling advice: avoid contact with skin and eyes. Do not breathe dust.

When using do not eat, drink or smoke. Wash face and hands before eating, drinking or smoking.

Requirements for storage rooms: keep away from food, drink and animal feeding stuffs. Keep only in the original container in a cool, well ventilated place.

Additional information: read the label before use.

8. Exposure Controls/Personal Protection

Engineer controls: this product is intended for use outdoors where engineering controls are not necessary.

Body protection: this product is fofra regulated. Refer to product labeling for end-user Personal Protection requirements. Applicators and other handlers must wear: long-sleeved shirt and long pants, waterproof gloves and shoes plus socks. PPE required for entry to treated areas that is permitted under the Worker Protection Standard and that involves contaact with anthing that has been treated,such as plants, soil or water is: Coveralls, waterproof gloves and shoes plus socks.

Hygenic Measures: users 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 PPE immediately after handling this product. Wash the outside of gloves before removing! As soon as possible wash thoroughly and change into clean clothing.

9. Physical and Chemical

Properties Appearance:

White powdery solid

Odor:odorless

Melting

Point: 116°C

Relative

density: 1.34

Partition coefficient:

KowlogP=2.5@20 °C Vapor

pressure: 1.1 x 10⁻¹³ kPa @ 25°C

Solubility in water: 6.0 mg/l (20°C)

10. Stability and Reactivity

Hazardous reactions (conditions to avoid): stable under normal conditions. Hazardous polymerization: will not occur.

Hazardous reactions (materials to avoid): oxidizing agents

11. Toxicological Information

Acute toxicity: LD50 Oral rat:

>500

0mg/kg LD 50 dermal

rat :>2000mg/kg LC0

Inhalation

rat: >4.67mg/l

Chronic toxicity: Azoxystrobin is non-oncogenic in the rat. Based on a study which administered azoxystrobin in the diets of rats the following values were recorded: male rat 3.6 mg/kg/day, female rat 3.6 mg/kg/day at 60 ppm diet; male rat 18.2 mg/kg/day, female rat 22.3 mg/kg/day at 300 ppm diet; male rat 82.4 mg/kg/day, female rat 117.6 mg/kg/day at 1500/750 ppm diet, respectively.

12. Ecological and Ecotoxicological Information

Effects on Birds: Azoxystrobin exhibited low ecological risks to birds, mammals and fish.

Effects on Aquatic Organisms: Azoxystrobin exhibited low ecological risks to birds, mammals and fish.

Effects on Other Animals (Nontarget species): Azoxystrobin exhibited low ecological risks to birds, mammals and fish.

13. Disposal Considerations

Discarded product is not a hazardous waste. Plastic Containers: Triple rinse(or equivalent); then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or alternatives allowed by the local authorities.

Paper/Box Container: do not reuse container. Completely empty container into application equipment. Then dispose of empty container in sanitary landfill, or alternatives allowed the local authorities.



14. Transport Information

Not
applic
able

15. Reactivity data

Not
applic
able

16. Other Information

This MSDS 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.

Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.