

**Othello 250WDG™**  
**MATERIAL SAFETY DATA SHEET**

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**SECTION 1 Chemical product and Company identification**

Product Name: Othello 250WDG™ (Azoxystrobin)

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

Formula: C<sub>22</sub>H<sub>17</sub>N<sub>3</sub>O<sub>5</sub>

Fungicide Group: C

Product Use: Commercial Fungicide

Supplier: SINERIA HOLLAND BV

Randwycksingel 20-A015

6229 EE Maastricht The Netherlands

www.sineria.com

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**SECTION 2 Composition/Information on Ingredients**

<u>Product Name</u>	<u>Quantity</u>	<u>CAS RN</u>
Azoxystrobin	25%	131860-33-8

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**SECTION 3 Hazards Identification**

- This product is unlikely to present a toxicity hazard during normal use.

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**SECTION 4 First Aid Measures**

General advice: Move out of dangerous area. Remove contaminated clothing immediately and dispose of safely. Place and transport victim in stable position (lying sideways). Contact a doctor or Poisons Information Centre.

Ingestion: Rinse mouth. Have the person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so after by a poison control center or doctor. Do not give anything by mouth to an unconscious person. Call a physician or poison control center immediately.

Inhalation: Move to fresh air. If person is not breathing give artificial respiration, preferably mouth-to-mouth if possible. Call a physician or poison control center.



Skin contact: Wash off immediately with soap and plenty of water. Call a physician or poison control center immediately.

Eye contact: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After the first 5 minutes remove contact lenses, if any, any continue rinsing. Call a physician or poison control center immediately.

Notes to Physician – Treatment: There is no specific antidote if this product is ingested. Treat symptomatically.

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### **SECTION 5 Fire Fighting Measures**

- Non- Combustible product

Suitable extinguish media: Water fog (or if unavailable fine water spray), Dry chemical, Foam, Sand and CO2 extinguishing media.

Fire fighting instructions: As in any fire, wear self-contained breathing apparatus pressure-demand and full protection gear. Keep upwind. Isolate hazard area. Avoid inhalation of smoke, fumes and breathing vapors. Use water or foam to reduce fumes. Do not touch spilled material. If possible, move containers from area. This product is not flammable under normal conditions of use

Further information: Contain the spread of the fire-fighting media. Do not allow run-off from fire-fighting to enter drains or water courses. During a fire this product will release smoke and toxic products.

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### **SECTION 6 Accidental release measures**

General and disposal: Use proper protective equipment to minimize personal exposure. Take all necessary action to prevent and to remedy the effects of the spill. Ensure that the disposal is in compliance with regulations.

Personal Precautions: Avoid contact with spilled product or contaminated surfaces. Wear personal protective equipment. Unprotected persons must be kept away. Keep away sources of ignition.

Environmental Precautions: Do not discharge into the drains/surface water/groundwater.

Methods for Cleaning Up: Prevent spill from spreading or entering waterways or drains. Take up with absorbent material such as sawdust, peat or binding agent for chemicals. Fill material along with any contaminated soil etc. into sealable containers. Clean affected area with an aqueous detergent and a small amount of water. Absorb this with hydrated lime and place in a sealable drum. On completion of clean-up remove and wash all protective clothing and equipment with detergent and water. Any heavily contaminated clothing should be placed in a plastic garbage bag and placed in a sealable drum. Do not smoke, eat or drink during the clean-up operation.

Additional Advice: Information regarding personal protective equipment, see section 8. Information regarding waste disposal, see section 13.



## **SECTION 7 Handling and storage**

Handling: Avoid contact with eyes or clothing. Do not use near heat or open fire.

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 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.

Storage: Store in a cool, dry and well ventilated place out of reach of children. Keep product in the original container tightly closed. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material.

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## **SECTION 8 Exposure controls/Personal protection**

Applicable control measures, including engineering controls: Ensure work areas have ventilation, containment and procedures sufficient to maintain airborne levels below the TLV for azoxystrobin. Warehouses, production area, parking lots and waste holding facilities must have adequate containment to prevent environmental contamination. Provide separate shower and eating facilities.

Ingestion: Prevent eating, drinking, tobacco usage and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.

Eye Contact: Where eye contact is likely, use chemical splash goggles or safety glasses.

Skin Contact: Where contact is likely, wear chemical-resistant (such as nitrile or butyl) gloves, coveralls, socks and chemical-resistant footwear. For overhead exposure, wear chemical-resistant headgear.

Inhalation: Respirator is not normally required. Use a dust mask or pesticide respirator if ventilation is not adequate.

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## **SECTION 9 Physical & Chemical properties**

Appearance: Light yellow granules

pH: 6-9

Acidity: 0.5% max

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## **SECTION 10 Stability & Reactivity**

Stability: Stable under normal condition. No hazardous reactions are expected when stored and handled according to prescribed instructions.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: None known.

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Hazardous Decomposition Products: Carbon monoxide, hydrogen cyanide and acetonitrile

Materials to Avoid: None known

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#### **SECTION 11 Toxicological Information**

##### Acute Toxicity /Irritation Studies

Ingestion: Acute oral LD<sub>50</sub> >2000 mg/kg (rats)

Dermal: Acute percutaneous LD<sub>50</sub> (rats) >2000 mg/kg

Eye Contact: Mildly Irritating (Rabbit)

Skin Contact: Slightly Irritating (Rabbit)

Skin Sensitization: Not Sensitizing (Guinea Pigs)

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#### **SECTION 12 Ecological Information**

##### *Eco-toxicity data*

##### Birds:

- Acute oral LD<sub>50</sub> for mallard ducks and bobwhite quail >2000 mg/kg.
- Sub-acute dietary LC<sub>50</sub> (5 d) for bobwhite quail and mallard ducks >5200 mg/kg diet.

##### Fish:

- LC<sub>50</sub> (96 h) for rainbow trout 0.47, bluegill sunfish 1.1, carp 1.6, sheepshead minnow 0.66 mg/l.

##### Daphnia:

- EC<sub>50</sub> (48 h) 259 µg/l

##### Algae:

- EC<sub>50</sub> (120 h) for green algae 0.12 mg/l.

##### Other aquatic spp.:

- LC<sub>50</sub> for mysid shrimp 55 mg/l; EC<sub>50</sub> for pacific oyster 1300µg/l, *Lemna gibba* 3.2 mg/l.

##### Bees:

- LD<sub>50</sub> for honeybees >200 µg/bee.
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### **SECTION 13 Disposal Considerations**

After intended use: Triple or (preferably) pressure rinse container before disposal. Add rinsings to the spray tank. Do not dispose of undiluted chemicals on site. Break, puncture, crush and bury rinsed container in a local authority landfill (check local statutory requirements). If not available, bury the container below 500 mm in a marked disposal pit specifically set up for this purpose, clear of waterways, vegetation and roots. Empty container and product should not be burnt.

After spill or accident: Dispose of sealed containers at an approved local waste disposal site.

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### **SECTION 14 Transport Information**

Shipping information such as shipping classification: TRANSPORTATION OF DANGEROUS GOODS CLASSIFICATION - ROAD/RAIL

UN Number: 3082

Class: 9.

Packing Group: III

Regulated Limit: Packages sizes below 1 L are not regulated.

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### **SECTION 15 Regulatory Information**

- N: Dangerous for the environment
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### **SECTION 16 Other Information**

The information contained in the Material Safety Data Sheet is correct to the best of our knowledge at the date of issue. It is intended as a guide for the safe use, handling, disposal, storage and transportation and is not intended as a warranty or as a specification. The information relates only to the product specified and may not be suitable for use with other materials or in processes other than those specifically described herein.

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