

## 1: IDENTIFICATION

<b>Chemical Name</b>	methyl (E)-2-[2-[6-(2-cyanophenoxy) pyrimidin-4-yloxy]phenyl]-3-methoxyacrylate		
<b>Synonyms</b>	Azoxystrobin 23 % SC	<b>Trade name</b>	<b>AJAX</b>
<b>Uses</b>	Fungicide	<b>Molecular Formula</b>	C <sub>22</sub> H <sub>17</sub> N <sub>3</sub> O <sub>5</sub>
<b>Manufacturer/ Supplier</b>	Ulink AgriTech Pvt. Ltd. Office Nos. 001 And 002, Ground Floor Wing "A" And Nos. 003 And 004 Ground Floor Wing "B", Nyati Tech Park, Wadgaon Sheri, Pune - 411014, Maharashtra		
<b>Emergency Contact</b>	9503095030	<b>E-mail</b>	<a href="mailto:info@agrostar.in">info@agrostar.in</a>

## 2: COMPOSITION/INFORMATION OF INGREDIENTS

Chemical Name	CAS #	Percent or Content (w/w)
Azoxystrobin	131860-33-8	22.9 %
Propane-1,2-diol	57-55-6	10% - 30%
Alcohols, C16-18, ethoxylated	68439-49-6	5% - 10%

## 3: HAZARD IDENTIFICATION

<b>Physical/Chemical Hazard:</b>	Azoxystrobin: Acute aquatic toxicity cat. 1 & chronic aquatic toxicity cat. 1	
<b>Human Health Hazard:</b>	H331 Toxic if inhaled.	
<b>Environmental Hazard:</b>	H410: Very toxic to aquatic life with long lasting effects.	H400 Very toxic to aquatic life

## 4: FIRST AID MEASURES

**General:** Have the product container, label or safety data sheet while seeking medical attention, a poison control center or physician, or going for treatment.

**Inhalation:** Move patients to fresh air and keep warm and at rest in a position comfortable for breathing. If breathing is difficult, treat with artificial respiration and oxygen. Immediately seek medical attention if symptoms are severe or persist

**Ingestion:** Rinse mouth with water thoroughly and give plenty of water to drink. Never give anything by mouth to an unconscious person. Seek medical attention or poison control center immediately and show this container or label.

**Skin Contact:** In case of contact with product, remove contaminated clothes and wash exposed skin area with plenty of water and soap immediately. Seek medical attention if irritation persists.

**Eye Contact:** Rinse immediately with plenty of water for several minutes. After 5 minutes remove contact lenses if present and continue rinsing with plenty of water. Continue to rinse with eyelid wide open for at least 15-20 minutes. Seek medical attention if irritation develops.

**Note to physician:** No specific Antidote. Treat symptomatically.

## 5: FIRE FIGHTING MEASURES

**Extinguishing Media:** Water spray or fog, alcohol-resistant foam, dry chemical powder or carbon dioxide

**Unsuitable Extinguishing Media:** Solid water stream, as it may scatter and spread the fire

**Specific Hazards:** In case of fire, CO<sub>x</sub>, NO<sub>x</sub> and HCN may released.

**Hazardous Thermal (de)composition:** The decomposition products are toxic fumes such as oxides of carbon and nitrogen, and HCN

**Special Procedures:** Collect extinguishing water separately and do not discharge into the drain or water bodies. If risk of water pollution occurs, notify appropriate authorities. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

**Protection of Fire Fighters:** Do not breathe a fumes. Wear fire/ flame resistant/retardant clothing. Do not enter fire area without proper protective equipment, including respiratory protection.

## 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Ensure adequate ventilation. Avoid contact with the skin, eyes and clothing. Use personal protective equipment. Evacuate personnel to safe areas and keep them away from and upwind of spill/leak.

**Environmental Precaution:** Do not allow runoff to enter drains and public waters. Notify the authorities if product enters.

**Methods for Cleaning-up:** Adsorb spillages sand, clay, acid, binder, universal binder or other absorbent material. Collect and transfer into waste disposal containers. Clean contaminated floors and objects thoroughly with water and detergents. Never return spills in original containers for re-use. Dispose of in accordance with local regulations. Wear suitable protective equipment.

## 7: HANDLING & STORAGE

**Handling:** Do not smoke, drink, or eat during handling. Wash hands and other exposed areas with mild soap and water before and after handling material. Wear protective equipments to avoid contact and/or inhalation with the product. Wash clothing and equipment before reuse. Good personal hygiene procedures must be practiced.

**Specific Conditions:** Good local exhaust ventilation. Ensure there is no open flame, spark, light or any other source of ignition while handling.

**Storage:** Store in dry, cool, well-ventilated area. Keep in original container and tightly closed when not in use. Keep product away from children, seeds, fertilizer, foods and animal feeds. Protect from heat, flame, or any ignition source.

## 8: EXPOSURE CONTROL/PERSONAL PROTECTION

**Engineering Measures:** Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice.

**General Protection:** Avoid breathing dust, vapours or aerosols. Avoid contact with eyes and skin. While handling the product wear cotton overalls buttoned to the neck and wrist, elbow-length PVC gloves. 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.

**Personal Protection:** Follow all precautions and instructions on the label. In all other cases the following recommendations would apply.

**Respiratory Protection:** Always use NIOSH/MSHA approved respiratory protection equipment with a universal filter type including particle filter.

**Skin Protection:** Wear suitable protective clothing, including long sleeved shirt, long pants, gloves, coveralls, and boots to avoid skin contact.

**Hand Protection:** Chemical-resistant gloves made of any waterproof material such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyvinyl chloride (PVC) or Viton.

**Eye Protection:** Safety goggles, chemical splash goggles or face shield should be used. Safety showers and eyewash should be easily available.

**Others:** Wash clothing before reusing.

## 9: PHYSICAL/CHEMICAL PROPERTIES

**Appearance:** Liquid      **pH:** 6.8 @ 20°C      **Physical State:** Liquid      **Solubility in water:** No data available

**Colour:** Off white      **Density[g/cc]:** 1.1355 @ 20°C      **Flash Point [°C]:** >97      **Odour:** Characteristic

## 10: STABILITY & REACTIVITY

**Stability:** Stable under normal circumstances.      **Conditions to avoid:** Heat, flames and sparks.

**Hazardous decomp. products:** On combustion or thermal decomposition, oxides of nitrogen and carbon may be released, but no decomposition if stored and applied as directed.

**Materials to avoid:** Strong acids and strong bases

## 11: TOXICOLOGICAL INFORMATION

Rat oral LD50 [mg/kg]: >2000      Rat inhalation LC50 [mg/l/4h]: >6.32      Skin irritation (rabbit): Non-irritant

Dermal (rat) LD50 [mg/kg]: >2000      Skin Sensitization (Guinea Pig): Non-sensitizer      Eye irritation (rabbit): Non-irritant

## 12: ECOLOGICAL INFORMATION

**Ecotoxicity:**

Rainbow trout LC50 (96 hrs)[mg/L]: >1.2      Daphnia magna EC50(48 hrs) [mg/L]: >0.83      Green algae ECr50 (72 hrs)[mg/L]: >2.2

**Bio-accumulation potential:** Does not bioaccumulate.

**Persistence, Degradability and Mobility in soil:** Stability in soil DT50 Days - Azoxystrobin: 279

## 13: DISPOSAL CONSIDERATION

**Waste-disposal Procedures:** Dispose of this product only according to the label. Do not contaminate drains, streams, rivers or waterways with the chemical or used container. Break, crush, or puncture and dispose to waste management facility or dispose of in compliance with local regulations. DO NOT burn empty containers or product.

**Contaminated Packaging:** Contaminated packaging should be emptied as far as possible and disposed of in the same manner as the product. Do not reuse container unless they are specifically designed to be refilled

## 14: TRANSPORT INFORMATION

**UN No.** 3082      **Proper Shipping Name:** Environmentally hazardous substance, Liquid, N.O.S (Azoxystrobin)

**Land Transport (ADR/RID):** Class-9, Packing Group-III      **Sea Transport (IMO) (IMDG):** Class-9, Packing group-III, Marine Pollutant-Yes

**Air Transport (IATA / ICAO):** Class-9 Packing group-III, Environmental hazard mark-Yes

## 15: REGULATORY INFORMATION

**Hazard Symbol:** GHS09, N - Dangerous for the environment

**Risk Phrase:** R50/53

**Safety Phrase:** S2, S13, S20/21, S60, S61

## 16: OTHER INFORMATION

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