

### 1: IDENTIFICATION

<b>Chemical Name</b>	Azoxystrobin: methyl (2E)-2-(2-[[6-(2-cyanophenoxy)pyrimidin-4-yl]oxy]phenyl)-3-methoxyprop-2-enoate Difenoconazole: 1-[[2-[2-chloro-4-(4-chlorophenoxy)phenyl]-4-methyl-1,3-dioxolan-2-yl]methyl]-1,2,4-triazole		
<b>Synonyms</b>	Azoxystrobin 18.2% + Difenoconazole 11.4% SC	<b>Trade Name</b>	<b>AJAX NXT</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> + C <sub>19</sub> H <sub>17</sub> Cl <sub>2</sub> N <sub>3</sub> O <sub>3</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	18.20%
Difenoconazole	119446-68-3	11.4%
Other ingredients	-	QS to make up 100 %

### 3: HAZARD IDENTIFICATION

<b>Label Elements :</b>	<b>Pictogram:</b> GHS07, GHS09	<b>Signal Word:</b> WARNING
<b>Hazard Statement:</b>	H303 May be harmful if swallowed. H315 Causes skin irritation.	H332 Harmful if inhaled. H410 Very toxic to aquatic life with long lasting effects.
<b>Safety Phrase</b>	S24: Avoid contact with skin. S36/37: Wear suitable protective clothing and S61: Avoid release to the environment.	S46: If swallowed, seek medical advice immediately and show this container or label. S60: This material and its container must be disposed of as hazardous waste.

### 4: FIRST AID MEASURES

**General:** Have the product container, label or Safety Data Sheet with you when calling the emergency number, a poison control center or physician, or going for treatment.

**Inhalation:** Remove to fresh air. Consult a physician if irritation develops

**Ingestion:** Take the victim into fresh air. If breathing is irregular or stopped, administer artificial respiration. Keep patient warm and at rest. Call a physician or poison control center immediately.

**Skin Contact:** Take off all contaminated clothing immediately. Wash off immediately with plenty of water. If skin irritation persists, call a physician. Wash contaminated clothing before re-use.

**Eye Contact:** Rinse immediately with plenty of water. After 5 minutes remove contact lenses if present. Rinse again 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:** Supportive care. No specific antidote. Treatment based on judgement of physician, in response to symptoms of patient

### 5: FIRE FIGHTING MEASURES

**Extinguishing Media:** For Small fires; Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. For Large fires: Alcohol-resistant foam or Water spray

**Hazardous Thermal (de)composition:** Normal combustion forms carbon dioxide, water vapor and may produce oxides of nitrogen. Incomplete combustion can produce carbon monoxide

**Special Procedures:** Fire fighters should wear full protective clothing and self-contained breathing apparatus. Run-off from fire control may be a pollution hazard. If area is not too heavily exposed to fire, and if conditions permit, let fire burn itself out, since water may increase the contamination hazard.

**Protection of Fire Fighters:** Wear self-contained breathing apparatus for firefighting if necessary..

### 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Eliminate all sources of ignition. Do not create dust.

**Environmental Precaution:** Do not discharge into drains or rivers. Contain the spillage using bunding.

**Methods for Cleaning up:** Transfer to a closable, labelled salvage container for disposal by an appropriate method. Do not use equipment in clean-up procedure which may produce sparks.

### 7: HANDLING & STORAGE

**Handling:** KEEP OUT OF REACH OF CHILDREN and animals. Prevent eating, drinking, and tobacco use in areas where there is a potential for exposure to the material. Wear full protective clothing and equipment (see Section 8). After work, rinse gloves and remove protective equipment, and wash hands thoroughly with soap and water after handling, and before eating, tobacco use, drinking, or using the toilet. Wash contaminated clothing separately. Keep containers closed when not in use. Ensure there is sufficient ventilation of the area. Smoking is forbidden. Use non-sparking tools.

**Storage:** Store in cool, well ventilated area. Keep away from sources of ignition. Keep container tightly closed. Keep in original containers, out of reach of children Never allow the product to become wet during storage. This may lead to chemical changes, which will reduce the effectiveness as a fungicide and could create flammable vapours. Must only be kept in original packaging.

### 8: EXPOSURE CONTROL/PERSONAL PROTECTION

**Engineering Measures:** Containment and/or segregation is the most reliable technical protection measure if exposure cannot be eliminated. The extent of these protection measures depends on the actual risks in use. Maintain air concentrations below occupational exposure standards. Where necessary, seek additional occupational hygiene advice.

**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.

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

**Respiratory Protection:** Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

**Hand Protection:** Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Skin Protection:** Mixers and loaders must wear overalls, protective goggles and chemical-resistant apron.

Applicators and other handlers must wear overalls, goggles and waterproof gloves. Any clothing or other absorbent material which has been drenched or heavily contaminated must be discarded.

**Eye Protection:** Safety glasses /goggles.

## 9: PHYSICAL/CHEMICAL PROPERTIES

**Physical State:** Liquid

**Colour:** White to off white

**Solubility in water:** Forms suspension in water

**Flash point °C:** Not Applicable

**pH (1% aq. Sol.):** 6 - 9 (1% dispersion)

**Odour:** Characteristic

## 10: STABILITY & REACTIVITY

**Stability:** Stable under normal conditions.

**Reactivity:** No data available

**Hazardous decomposition products:** Elevated temperature or free water promotes decomposition, which may cause spontaneous combustion. In combustion emits toxic fumes. In combustion emits toxic fumes of sulphur oxides, carbon dioxide / carbon monoxide, nitrogen oxides.

**Conditions to avoid:** Acids and moisture (in storage)

## 11: TOXICOLOGICAL INFORMATION

**Hazardous ingredients:** AZOXYSTROBIN and DIFENOCONAZOLE

**Acute toxicity (Assessment largely or completely based on data for active substance)**

Acute Oral LD50 (Rat) Azoxystrobin : LD50 (Rat, male and female): > 5,000 mg/kg

Difenoconazole : LD50 (Rat, male and female): 1,453 mg/kg

Acute Dermal LD50 Azoxystrobin : LD50 (Rat, male and female): > 2,000 mg/kg

Difenoconazole : LD50 (Rabbit, male and female): > 2,010 mg/kg

Acute Inhalation LD50 Azoxystrobin : LC50 (Rat, female): 0.7 mg/l (4h)

Difenoconazole : LC50 (Rat, male and female): > 3,300 mg/m<sup>3</sup> (4h)

EYE Irritation (Rabbit) May cause eye irritation.

SKIN Irritation (Rabbit) Non irritant

Skin Sensitization (Guinea Pig) Non irritant

## 12: ECOLOGICAL INFORMATION

**Ecotoxicity: (Assessment largely or completely based on data for active substance)**

**Aquatic toxicity :** Material is very toxic to aquatic organisms.

Fish- Azoxystrobin : LC50 (Oncorhynchus mykiss (rainbow trout)): 0.47 mg/l LC50 (96 h); Difenoconazole : LC50 (Oncorhynchus mykiss (rainbow trout)): 1.1 mg/l

Algae EC50 (96 h) - Azoxystrobin : ErC50 (Raphidocelis subcapitata (freshwater green alga) 2 mg/l ; Difenoconazole : EC50 (Navicula pelliculosa (Freshwater diatom) 0.091 mg/l (72 h)

Daphnia EC50 (48 hr) - Azoxystrobin : EC50 (Americamysis): 0.055 mg/l (96 h); Difenoconazole : EC50 (Daphnia magna (Water flea)): 0.77 mg/l (48 h)

**Environmental Fate** Persistence and Degradability: No data Bio-accumulation potential: Bio-concentration potential is low.

Mobility in soil: Potential for mobility in soil is low.

## 13: DISPOSAL CONSIDERATION

**Waste-disposal Procedures:** Do not contaminate water, food or feed by disposal. Wastes resulting from the use of this product may be disposed of at an approved waste disposal facility.

**Disposal of packaging:** Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

## 14: TRANSPORT INFORMATION

**UN No.** 3082 **Proper Shipping Name:** Environmentally Hazardous Substance, solid, n.o.s. (Azoxystrobin and Difenoconazole)

**Land Transport (ADR/RID):** Class-9, Packing Group-III

**Sea Transport (IMO) (IMDG):** Class-9, Packing group-III, Marine Pollutant-Yes, EmS: F-A, S-F

**Air Transport (IATA):** Class-9, Packing group-III,

## 15: REGULATORY INFORMATION

**Hazard symbol:** Xn, N

**Risk Phrase;** R21 Harmful in contact in skin

**Safety Phrase:** S2 Keep out of reach of children S60 This material and its container must be disposed of as hazardous waste

S61 Avoid release to the environment. refer to special instructions/safety data sheets

## 16: OTHER INFORMATION

**DISCLAIMER OF LIABILITY** The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This MSDS was prepared and is to be used only for this product. If the product is used as a component in another product, this MSDS information may not be applicable.

----- END -----