



UPL Limited
(Erstwhile United Phosphorus Limited)

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AZOXYSTROBIN 25% SC

MATERIAL SAFETY DATA SHEET

SECTION 1 – CHEMICAL NATURE

PRODUCT: Azoxystrobin 25% SC – Agricultural Fungicide

CHEMICAL NAME: methyl (E)-2-{2-6(2-cyanophenoxy) pyrimidin-4-yloxy}-3-methoxyacrylate

CHEMICAL FAMILY: Strobilirin

CHEMICAL FORMULA: C₂₂H₁₇N₃O₅

MOLECULAR WEIGHT: – 403.4

SECTION 2 – COMPOSITION, INFORMATION OF INGREDIENTS COMPONENT

	Percent Purity	CAS NO.
Azoxystrobin Technical	25%	131860-33-8

SECTION 3 – HAZARDS IDENTIFICATION SUMMARY

Emergency Overview

White to off white viscous liquid.
Can cause slight to moderate skin irritation.
Avoid breathing dust.
Keep out of reach of children.

Potential Health Hazards:

EYE: Contact may cause very slight eye irritation

SKIN: Prolonged or repeated skin contact may cause irritation.

INHALATION: Mist or dust concentration may be irritating to respiratory tract and eyes.



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INGESTION: This material acute toxicity is low, but it may be harmful if large amount is swallowed.

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SECTION 4 – FIRST AID MEASURES

IF INHALED: Remove person from exposure area to fresh air, Keep patient at most comfort level and keep warm. Get medical attention.

IF ON SKIN: Remove contaminated clothing and wash skin with plenty of soap and water. Call doctor if irritation persists.

IF SWALLOWED: Wash out mouth with water. Do not induce vomiting. Keep patient at rest, Seek medical attention.

IF IN EYES: Wash eyes with fresh water for 15 minutes. If irritation continues, see a doctor.

ANTIDOTE & NOTE TO PHYSICIAN: Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

FLASH POINT - Not applicable

SPECIFIC HAZARDS: Product is combustible but not considered highly flammable

FIRE AND EXPLOSION HAZARD: During fire, irritating and possibly toxic gasses may be generated by thermal decomposition or combustion.

EXTINGUISHING INSTRUCTION: Use foam, Water fog/water spray, dry agents (Carbon dioxide, dry chemical powder).

FIRE FIGHTING EQUIPMENT: Wear self-contained breathing apparatus pressure –demand, MSHA/NIOSH and full protective gear.



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SECTION 6 – ACCIDENTAL RELEASE MEASURES

Clean up spills immediately, observing precautions. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Vacuum or sweep up material and place in properly labeled disposal container. Large spills may be neutralized with dilute solutions of soda ash or lime. After removal, flush contaminated area thoroughly with water. Do not allow any material to run off in soil, drainage systems or bodies of water. Notify and consult with proper regulatory authorities.

SECTION 7 – HANDLING AND STORAGE

KEEP OUT OF REACH OF CHILDREN

Handling: Use only in well ventilated area. Follow all MSDS/label precautions even after container is emptied because they may retain product residues.

Storage: Store in a cool dry place in original container and protect from sunlight. Keep away from food, animal feed and drinking water.

SECTION 8 – EXPOSURE CONTROLS, PERSONAL PROTECTION

ENGINEERING CONTROL: Local exhaust ventilation may be necessary to control any air contaminants to within their TLV's during the use of this product. Facilities storing or utilizing this material should be equipped with eyewash facility and safety shower.

PERSONAL PROTECTIVE EQUIPMENT:

EYE PROTECTION - Safety glasses

CLOTHING – Long sleeved shirt and long pants, shoes plus socks, chemical resistant headgear for overhead exposures.

GLOVES – Waterproof gloves.

USER SAFETY RECOMMENDATIONS – Wash hands before eating, drinking, and 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 in to clean clothing.



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SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL DESCRIPTION: white to off white viscous liquid

ODOR: Weak uncharacteristic.

MELTING POINT: 116 °C

VAPOR PRESSURE: 1.1×10^{-13} kPa at 25 °C

WATER SOLUBILITY: 6.0 mg/l for 4 h.

SECTION 10 – STABILITY AND REACTIVITY

CHEMICAL STABILITY: Usually Stable

CONDITIONS TO AVOID: Protect from moisture, heat, open flames or other source of ignition.

INCOMPATIBILITY WITH OTHER CHEMICALS: Oxidizing agents, acids, polar solvents such as alcohol.

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of Carbon & Nitrogen.

HAZARDOUS POLYMERISATION: Product may undergo polymerization.

SECTION 11 – TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:	Oral LD ₅₀ (rat)	- >5000 mg/kg body weight
	Dermal LD ₅₀ (rabbit)	- >2000mg/kg body weight
	Inhalation LC ₅₀ (rat)	- > 5 g/l of water
	Eye Irritation (rabbit)	- Slight irritant
	Skin Irritation (rabbit)	- Slight irritant

SECTION 12 – ECOLOGICAL INFORMATION

Environmental Summary –

Toxicity to birds (Quail) - LD₅₀ - >2000 mg/kg

Toxicity fish (Carp) LC₅₀ - 1.6 mg/l

Toxicity to bees – LC₅₀ - >200 µ /bee



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SECTION 13 – DISPOSAL CONSIDERATIONS

Waste – Dispose of in accordance with applicable Federal, State, local laws and regulations.

Container – Empty the container with equipment. Do not re-use the container. Dispose of empty containers in a sanitary landfill or incineration so as to avoid environmental or water pollution.

SECTION 14 – TRANSPORT INFORMATION

IATA /AIR TRANSPORT:-

Proper Shipping Name – ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (CONTAINS AZOXYSTROBIN)

UN - 3082

Class - 9

P.g. - III

SECTION 15 - MANUFACTURE'S / SUPPLIER'S DATA

Name of Firm: UPL LIMITED

Mailing: UNIPHOS HOUSE,MADHU PARK ,
KHAR (WEST), MUMBAI-400 52.
MAHARASHTRA (INDIA)

Tel. 0091-22 - 2640 1111

Fax 0091-22- 2640 1010

Local Bodies Involved

Collector of Ankaleswar
Gujarat, India

Manufacturing Site

UPL Limited,
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Tel. 0091 - 02646 – 50336
Fax 0091- 02646 –50297



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SECTION 16 - DISCLAIMER

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