SAFETY DATA SHEET

In accordance with Regulation (EC) No 1907/2006, as amended by Regulation (EU) No 2015/830

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Name AzoxystrobinTechnical

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Preparation of Fungicide formulations

1.3. Details of the supplier of the safety data sheet

Supplier Name &Address **CROPNOSYS INDIA PVT. LTD**
Plot No. 5303, GIDC Estate, Phase IV, Vapi, District - Valsad
PIN- 396195, Gujarat, INDIA

Tel No. +91 22 652 26797

For further information, please contact

Email address info@cropnosysindia.com
Website www.cropnosysindia.com

1.4. Emergency telephone number

Emergency Telephone +91 22 652 26797

Section 2: HAZARD IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP] with its amendment Regulation (EU) 2016/1179

Acute toxicity (inhalation:dust,mist) Category 3	**H331**
Hazardous to the aquatic environment — Acute Hazard, Category 1	**H400**
Hazardous to the aquatic environment — Chronic Hazard, Category 1	**H410**

Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

Toxic if inhaled. Very toxic to aquatic life with long lasting effects.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP] with its amendment Regulation (EU) 2016/1179

Hazard pictograms (CLP)

GHS06 GHS09

Signal word (CLP) : Danger

Hazard statements (CLP) : H331 - Toxic if inhaled.
H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements (CLP) : P261 - Avoid breathing dust.
P273 - Avoid release to the environment.
P304+P340+P311 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a doctor.
P391 - Collect spillage.
P501 - Dispose of contents and container to an approved waste disposal plant.

2.3 Other hazards –

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

Section 3: COMPOSITION/ INFORMATION ON INGREDIENTS

Component	CAS-No. Index-No.	Classification	Content
Azoxystrobin Technical Azoxystrobin (ISO); methyl (E)-2-{2-[6-(2- cyanophenoxy)pyrimidin-4-yloxy]phenyl}-3- methoxyacrylate	131860-33-8 607-256-00-8	Acute Tox. 3 (Inhalation), H331 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	98.0% min

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell.

First-aid measures after skin contact : Remove contaminated clothes. Wash skin with plenty of water. Get medical advice if skin irritation persists.

First-aid measures after eye contact : Immediately flush eyes thoroughly with water for at least 15 minutes Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention if pain, blinking or redness persists.

First-aid measures after ingestion : Rinse mouth. Do not induce vomiting without medical advice. Get medical advice/attention if you feel unwell.

Section 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media Do not use a heavy water stream.

Special hazards arising from the substance or mixture

Fire hazard : Presents no particular fire or explosion hazard.

Hazardous decomposition products in case of fire : For further information, refer to section 10 : "Stability and Reactivity".

Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

Further information no data available

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3. Methods and materials for containment and cleaning up

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

6.4. Reference to other sections

For disposal see section 13.

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Avoid contact with skin and eyes. Avoid formation of dust and aerosols.
Provide appropriate exhaust ventilation at places where dust is formed.

7.2. Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

7.3. Specific end uses

No data available

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday

Personal protective equipment

Eye/face protection

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin 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.
The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

Body Protection

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges.
Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state	: Solid
Appearance	: Crystalline powder.
Colour	: slight yellow. White-grey.
Odour	: No data available.
Odour threshold	: No data available.
pH	: No data available.
Relative evaporation rate (butylacetate=1)	: No data availabe
Melting point	: 114 - 116 °C
Freezing point	: No data available.
Boiling point	: No data available.
Flash point	: No data available.
Auto-ignition temperature	: No data available.
Decomposition temperature	: No data available.
Flammability (solid, gas)	: No data available.
Vapour pressure	: 0,00000011 mPa (20°C)
Relative vapour density at 20 °C	: No data available.
Relative density	: No data available.
Solubility	: Water: 6 mg/l (20°C)
Log Pow	: 2,5 (20°C)
Viscosity, kinematic	: No data available.
Viscosity, dynamic	: No data available.
Explosive properties	: No data available.
Oxidising properties	: No data available.
Explosive limits	: No data available.

Other information

Bulk density	: 1.34 g/cm^3

Section 10. STABILITY AND REACTIVITY

10.1. Reactivity
Stable under normal conditions of use.
10.2. Chemical stability
Stable under normal conditions.
10.3. Possibility of hazardous reactions
No dangerous reactions known.
10.4. Conditions to avoid
Keep away from heat and direct sunlight.
10.5. Incompatible materials
Strong acids. Strong bases. Strong oxidation agent.
10.6. Hazardous decomposition products
Combustion generates : Carbon oxides (CO, CO2).

Section 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Inhalation:dust,mist: Toxic if inhaled.

azoxystrobin (ISO); methyl (E)-2-{2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl}-3-methoxyacrylate (131860-33-8)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 4000 mg/kg
LC50 inhalation rat (mg/l)	> 4,67 mg/l

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified
Aspiration hazard : Not classified

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity

Ecology - general effects. : Very toxic to aquatic life. Very toxic to aquatic life with long lasting
Acute aquatic toxicity : Very toxic to aquatic life.
Chronic aquatic toxicity : Very toxic to aquatic life with long lasting effects.

Persistence and degradability

No additional information available.

Bio-accumulative potential

Log Pow 2.5 (20°C)

Mobility in soil

No additional information available.

Results of PBT and vPvB assessment

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

Other adverse effects

Avoid release to the environment.

Section 13: DISPOSAL CONSIDERATIONS

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

Additional information : Empty containers should be taken for recycle, recovery or waste in accordance with local regulation.

Ecology - waste materials : Avoid release to the environment.

European List of Waste (LoW) code : 07 04 00 - wastes from the MFSU of organic plant protection products (except 02 01 08 and 02 01 09), wood preserving agents (except 03 02) and other biocides

Section 14: TRANSPORT CONSIDERATIONS

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
2811	2811	2811	2811	2811
14.2. UN proper shipping name				
TOXIC SOLID, ORGANIC, N.O.S. (azoxystrobin (ISO); methyl (E)-2-{2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl}-3-methoxyacrylate)	TOXIC SOLID, ORGANIC, N.O.S. (azoxystrobin (ISO); methyl (E)-2-{2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl}-3-methoxyacrylate)	TOXIC SOLID, ORGANIC, N.O.S. (azoxystrobin (ISO); methyl (E)-2-{2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl}-3-methoxyacrylate)	TOXIC SOLID, ORGANIC, N.O.S. (azoxystrobin (ISO); methyl (E)-2-{2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl}-3-methoxyacrylate)	TOXIC SOLID, ORGANIC, N.O.S. (azoxystrobin (ISO); methyl (E)-2-{2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl}-3-methoxyacrylate)
Transport document description				
UN 2811 TOXIC SOLID, ORGANIC, N.O.S. (azoxystrobin (ISO); methyl (E)-2-{2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl}-3-methoxyacrylate), 6.1, III, (E), ENVIRONMENTALLY HAZARDOUS	UN 2811 TOXIC SOLID, ORGANIC, N.O.S. (azoxystrobin (ISO); methyl (E)-2-{2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl}-3-methoxyacrylate), 6.1, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS	UN 2811 TOXIC SOLID, ORGANIC, N.O.S. (azoxystrobin (ISO); methyl (E)-2-{2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl}-3-methoxyacrylate), 6.1, III, ENVIRONMENTALLY HAZARDOUS	UN 2811 TOXIC SOLID, ORGANIC, N.O.S. (azoxystrobin (ISO); methyl (E)-2-{2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl}-3-methoxyacrylate), 6.1, III, ENVIRONMENTALLY HAZARDOUS	UN 2811 TOXIC SOLID, ORGANIC, N.O.S. (azoxystrobin (ISO); methyl (E)-2-{2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl}-3-methoxyacrylate), 6.1, III, ENVIRONMENTALLY HAZARDOUS
14.3. Transport hazard class(es)				
6.1	6.1	6.1	6.1	6.1
				
14.4. Packing group				
III	III	III	III	III
14.5. Environmental hazards				

Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes
No supplementary information available.				

Section 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

EU-Regulations

No REACH Annex XVII restrictions

Azoxystrobin Techn. min. 98% is not on the REACH Candidate List Azoxystrobin Techn. min. 98% is not on the REACH Annex XIV List

Directive 2012/18/EU (SEVESO III)

Seveso III Part I (Categories of dangerous substances)	**Qualifying quantity (tonnes)**	
	Lower-tier	**Upper-tier**
H2 ACUTE TOXIC — Category 2, all exposure routes — Category 3, inhalation exposure route	200	50
E1 Hazardous to the Aquatic Environment in Category Acute 1 or Chronic 1	200	100

National regulations: No additional information available.

Chemical safety assessment: *No chemical safety assessment has been carried out*

Section 16: OTHER INFORMATION

Abbreviations and acronyms:	
SDS	Safety Data Sheet
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
PBT	Persistent Bioaccumulative Toxic
vPvB	Very Persistent and Very Bioaccumulative
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
LC50	Median lethal concentration
LD50	Median lethal dose
CAS	CAS (Chemical Abstracts Service) number
EG-nr	EINECS- en ELINCS-number
EINECS	European Inventory of Existing Commercial Substances
OEL	Occupational Exposure Limit

Full text of H- and EUH-statements:	
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 3 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 3
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
H331	Toxic if inhaled.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet