



SHREEJI PESTICIDES PVT. LTD
(A SUBSIDIARY OF WILLOWOOD CHEMICALS PVT. LTD)

Material safety data sheet

AZOXYSTROBIN 11 + TEBUCONAZOLE 18.3% SC

Publish Date 19-Feb-2017

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

1.1. Product identifier

Synonyms Azoxystrobin 11 + Tebuconazole 18.3% SC
Pure substance/mixture

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

Recommended Use Fungicide
Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Supplier Address Shreeji Pesticides Pvt. Ltd.
(Sub. of Willowood Chemicals Pvt. Ltd.)
Unit-I: 69/P, Village - Manjusar, Taluka - Savli, Dist. Vadodara - 391775
Unit-II: 73, Village - Manjusar, Taluka - Savli, Dist. Vadodara - 391775
Gujarat, India

Email address info@shreejipesticides.com

1.4. Emergency telephone number

Emergency Telephone +91 2667 264701

Section 2: HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

Classification of the product is based on the coformulants listed in section 3
Repr. cat. 3;R63 - Xn;R22 - N;R51-53

Full text of R-phrases: see section 16

2.2. Label elements

The product is classified and labeled in accordance with Directive 1999/45/EC





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Hazard symbols	Xn - Harmful N - Dangerous for the environment
R-Phrases	R22 - Harmful if swallowed R63 - Possible risk of harm to the unborn child R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
S phrases	S2 - Keep out of the reach of children S36 - Wear suitable protective clothing S53 - Avoid exposure — obtain special instructions before use S60 - This material and its container must be disposed of as hazardous waste S64 - If swallowed, rinse mouth with water (only if the person is conscious) S20/21 - When using do not eat, drink or smoke

2.3. Other hazards Other Information

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixture

Chemical Name	Weight-%	CAS No	EC No	Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Classification according to 67/548/EEC	REACH Registration Number
Azoxystrobin	10-12	131860-33-8	-	607-256-00-8	Acute Tox. 3 (H331) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	T; R23 N; R50-53	-
Tebuconazole	16-20	107534-96-3	-	603-197-00-7	Acute Tox. 4 (H302) Repr. 2 (H361d) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410)	Xn; R22 Repr.Cat.3; R63 N; R50-53	-

Full text of R-phrases: see section 16

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

General advice	If symptoms persist, call a physician. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing.
Inhalation	Remove to fresh air. Call a physician. If breathing is irregular or stopped, administer artificial respiration.
Skin Contact	Consult a physician if necessary. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.
Ingestion	Call a physician immediately. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Rinse mouth.



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Self-protection of the first aider Use personal protective equipment as required.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms None known

4.3. Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

Section 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media

No information available.

5.2. Special hazards arising from the substance or mixture

No specific hazard known.

5.3. Advice for firefighters

In the event of fire, wear self-contained breathing apparatus
In the event of fire and/or explosion do not breathe fumes

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Use personal protective equipment as required.

For emergency responders

Use personal protection recommended in Section 8.

6.2. Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Take up mechanically, placing in appropriate containers for disposal.

6.4. Reference to other sections

Other Information

See also section 8,13

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling



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Advice on safe handling

Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Wash contaminated clothing before reuse. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product.

General Hygiene Considerations

When using do not eat, drink or smoke. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children.

7.3. Specific end use(s)

Risk Management Methods (RMM)

The information required is contained in this Material Safety Data Sheet.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye/face protection Tight sealing safety goggles.
Body Protection Suitable protective clothing.

General Hygiene Considerations

When using do not eat, drink or smoke. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product.

Environmental exposure controls Do not allow into any sewer, on the ground or into any body of water.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

<u>Property</u>	<u>Values</u>	<u>Method</u>	<u>Remarks</u>
Appearance			
Physical state	: Liquid		
Color	: white		
Odor	: characteristic		
Odor threshold	: No data available		
pH	: 5.5-6.5	CIPAC MT 75.3	solution (1 %)
Melting point/freezing point °C	: No data available		
Boiling point/boiling range °C	: No data available		
Flash point °C	: >118	EEC A.9	Not determined
Evaporation rate	: Not Applicable		



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Flammability (solid, gas)	:	Not Applicable		
Upper/lower flammability or explosive limits	:	No data available		
Vapor pressure kPa	:	No data available		
Vapor density	:	No data available		
Relative density	:	1.08-1.10	EEC A.3	20.3 °C
Solubility(ies) mg/l	:	No data available		
Partition Coefficient (n-octanol/water) Log Pow	:			See Section 12 for more information
Autoignition temperature °C	:	500	EEC A.15	
Decomposition temperature °C	:	No data available		
Kinematic viscosity mm²/s 40 °C	:	153.5	OECD 114	
Explosive properties	:	Not an explosive		
Oxidizing properties	:	No data available		

9.2. Other information

Bulk density g/ml	:	
Surface tension mN/m	:	Not Applicable
Minimum ignition energy (MIE) mJ	:	

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

Not available.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

Heat, flames and sparks.

10.5. Incompatible materials

No information available

10.6. Hazardous decomposition products

Chemical Name

Tebuconazole Carbon dioxide (CO₂), Carbon monoxide, Nitrogen oxides (NO_x), Hydrogen chloride.

Section 11: TOXICOLOGY INFORMATION

11.1. Information on toxicological effects

Acute toxicity

	<u>Values</u>	<u>Species</u>	<u>Method</u>	<u>Remarks</u>
Oral LD50 mg/kg	: 300-2000	Rat	OECD 423	
Dermal LD50 mg/kg	: >2000	Rat	OECD 402	
Inhalation LC50 mg/l/4h	: >4.79	Rat	OECD 403	Maximum attainable concentration



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Skin corrosion/irritation : Non-irritating to the skin Rabbit OECD 404
Serious eye damage/eye irritation : Not irritating to eyes Rabbit OECD 405
Respiratory/skin sensitization : Not a skin sensitizer Guinea pig OECD 406

Chronic toxicity

Germ cell mutagenicity

Chemical Name

Azoxystrobin : Not classified
Tebuconazole : Not classified

Carcinogenicity

Chemical Name

Azoxystrobin : Not Carcinogenic
Tebuconazole : Not classified

Reproductive toxicity

Chemical Name

Azoxystrobin : Not classified
Tebuconazole : H361d - Suspected of damaging the unborn child

STOT - single exposure

Chemical Name

Azoxystrobin : No information available
Tebuconazole : No information available

STOT - repeated exposure

Chemical Name

Azoxystrobin : No information available
Tebuconazole : No information available

Aspiration hazard

Chemical Name

Azoxystrobin : Not available
Tebuconazole : No information available

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Acute toxicity

Aquatic toxicity	Values	Species	Method	Remarks
Fish 96-hour LC50 mg/l	: 5.4	Oncorhynchus mykiss	OECD 203	
Crustacea 48-hour EC50 mg/l	: 2.15	Daphnia magna	OECD 202	
Algae 72-hour EC50 mg/l	: 1.34	P. subcapitata	OECD 201	Static
Other plants EC50 mg/l	:			Not available
Terrestrial Toxicity				
Birds Oral LD50 mg/kg				
Chemical Name				
Tebuconazole	: 1988	Bobwhite quail		
Bees Oral LD50 µg/bee				
Chemical Name				
Tebuconazole	: 83.05			Oral

12.2. Persistence and degradability



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Abiotic Degradation	<u>Values</u>	<u>Method</u>	<u>Remarks</u>
Water DT50 days			
Chemical Name			
Azoxystrobin	: 214		
Tebuconazole	: 365		
Soil DT50 days			
Chemical Name			
Azoxystrobin	: 80		
Tebuconazole	: 34.8		

Biodegradation			
Chemical Name			
Tebuconazole	: Not readily biodegradable	OECD 301B	

12.3. Bioaccumulative potential

Partition Coefficient (n-octanol/water) Log Pow	<u>Values</u>	<u>Method</u>	<u>Remarks</u>
Chemical Name			
Tebuconazole	: 3.7		
Bioconcentration factor (BCF)			
Chemical Name			
Tebuconazole	: 78		

12.4. Mobility in soil

Adsorption/Desorption	<u>Values</u>	<u>Method</u>	<u>Remarks</u>
Chemical Name			
Tebuconazole	: 769		Koc

12.5. Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB

12.6. Other adverse effects

No information available.

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from residues/unused products	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated packaging	Improper disposal or reuse of this container may be dangerous and illegal.
Other Information	Waste codes should be assigned by the user based on the application for which the product was used.

Section 14: TRANSPORTATION INFORMATION

IMDG/IMO

14.1 UN/ID No 3082



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14.2 Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Azoxystrobin Tebuconazole)
14.3 Hazard Class 9
14.4 Packing Group III
14.5 Marine pollutant Yes
14.6 Special precautions for user

RID/ADR

14.1 UN/ID No 3082
14.2 Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Azoxystrobin Tebuconazole)
14.3 Hazard Class 9
14.4 Packing Group III
14.5 Environmental hazard Yes
14.6 Special precautions for user

ICAO/IATA

14.1 UN/ID No 3082
14.2 Proper shipping name ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Azoxystrobin Tebuconazole)
14.3 Hazard Class 9
14.4 Packing Group III
14.5 Environmental hazard Yes
14.6 Special precautions for user
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not Applicable



Section 15: REGULATORY INFORMATION

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

15.2. Chemical safety assessment

A chemical safety assessment according to regulation (EC) No. 1907/2006 is not required. A risk assessment was performed according to directive (EC) No. 91/414 or according to regulation (EC) No. 1107/2009.



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Section 16: OTHER INFORMATION

Full text of R-phrases referred to under sections 2 and 3

R22 - Harmful if swallowed

R23 - Toxic by inhalation

R63 - Possible risk of harm to the unborn child

R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

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