

Sharda Cropchem Limited

(Formerly known as Sharda Worldwide Exports Pvt. Ltd)
Domnic Holm, 29th Road, Bandra (West), Mumbai 400050, India
Tel: + 91 22 6678 2800, Fax: + 91 22 6678 2828/ 6678 2808
EMAIL: shardain@vsnl.com Website: <http://www.shardaintl.com>
(AN ISO 9002 COMPANY)

MATERIAL SAFETY DATA SHEET Azoxystrobin 50% WG

Section 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Company : Sharda Cropchem Limited
Domnic Holm, 29th Road, Bandra(w), Mumbai – 400 050
Phone Number : 0091-22-66782800
Product use : Fungicide
Formulation type : Water dispersible granule
UN Number : 3077
Active Ingredient : Azoxystrobin
Dangerous Goods Class/ 9
Chemical type : strobilurin Packaging Group III
Poisons Schedule : 5
Hazchem Code : 2X

USE: Fungicide for control of downy mildew, powdery mildew and suppression of botrytis bunch rot on grapes, early blight and late blight on potatoes, early blight, late blight and sclerotinia on tomatoes and powdery mildew, downy mildew and gummy stem blight on cucurbits.

Section 2: COMPOSITION /INFORMATION ON INGREDIENTS

Identity	CAS No	Typical %	Other information
Azoxystrobin Tech	131860-33-8	50%	
Other ingredients		upto 100%	

Section 3: HAZARDS IDENTIFICATION

Physical hazards:

None

Health hazards:

This material may cause mild irritation following eye contact.

Section 4 – FIRST AID MEASURES

In case of poisoning by any exposure route contact a doctor or Poisons Information Centre. Phone 131 126.

Swallowed: Rinse mouth with water. Give plenty of water to drink. If vomiting occurs give further water. Seek medical advice.

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Eye: Immediately irrigate with copious quantities of water for at least 15 minutes. Eyelids to be held open. If irritation occurs seek medical advice.

Skin: Remove contaminated clothing and wash affected areas thoroughly with soap and water. If irritation occurs seek medical advice.

Inhaled: Move affected person to fresh air. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until recovered. Seek medical advice if effects persist.

ADVICE TO DOCTOR

No specific antidote exists. Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

Flash Point : Not applicable

Autoignition temperature : No data

Flammable limits (STP) : Not applicable

Extinguishing Media :

For small fires, use foam, carbon dioxide or dry powder extinguishant. For large fires, use foam or water fog; avoid use of water jet. Contain run-off water with for example temporary earth barriers.

Protective Equipment:

A self contained breathing apparatus and suitable protective clothing must be worn in fire conditions.

Section 6: ACCIDENTAL RELEASE MEASURES

Environmental Precautions :

Washings must be prevented from entering surface water drains.

Methods For Cleaning Up:

Cover spillage with moist sand, soil or sawdust. Transfer to a container for disposal. Wash the spillage area with water and flush to a sewer serviced by a wastewater treatment facility, if that facility is permitted to treat such wastewaters. Washings must be prevented from entering surface water drains.

Section 7: HANDLING AND STORAGE

Safe Handling Advice:

Avoid contact with skin and eyes. Do not breathe dust. When using do not eat, drink or smoke. Wash face and hands before eating, drinking or smoking.

Requirements for storage rooms:

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Keep away from food, drink and animal feeding stuffs. Keep only in the original container in a cool, well ventilated place.

Additional Information:
Read the label before use

Section 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Potential -

Swallowing is unlikely under normal conditions of usage. Significant skin uptake does not occur. This product is diluted with water prior to use as a spray. This diluted form is less toxic by all routes of exposure.

Re-entry Period - Do not enter treated areas without protective clothing until the spray has dried. When prior entry is necessary, wear cotton overalls buttoned to the neck and wrist and a washable hat and chemical resistant gloves. Clothing must be laundered after each day's use.

ENGINEERING CONTROLS

In the Workplace: ensure ventilation is adequate and that air concentrations of components are controlled below quote Workplace Exposure Standards. Keep containers closed when not in use. No special requirements. Product is used outdoors.

PERSONAL PROTECTION

MANUFACTURE, PACKAGING AND TRANSPORT: Avoid skin and eye contact and inhalation of dust. Wear overalls, chemical goggles and PVC gloves. Avoid generating and inhaling dusts. If dust exists, wear dust respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

PREPARATION AND USE OF PRODUCT: When opening the container and preparing the spray, wear elbow length

PVC gloves and face shield or goggles. Will irritate the eyes and skin. Avoid contact with eyes and skin. If product in eyes, wash it out immediately with water. Wash hands after use. After each day's use, wash gloves and face shield or goggles.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Light brown/beige granule

Flash point: Not applicable (solid)

Odour: Weak, non-specific

Flammability: Not available

Vapour pressure (25°C): 1.25 mm Hg

Behaviour in water: Dispersible

Melting Point: 237.2 – 240.8⁰ F

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Bulk Density: 31.2 – 43.7 lb/cu ft
Ph-value : 5-8

Section 10: STABILITY AND REACTIVITY

Hazardous Reactions (Conditions to avoid)
Stable under normal conditions.
Hazardous polymerization
Will not occur

HAZARDOUS REACTIONS (MATERIALS TO AVOID)

Oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS

Combustion products- Carbon dioxide, carbon monoxide

Combustion or thermal decomposition will evolve toxic and irritant vapors.

Section 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY-

This product is unlikely to present a hazard during normal use (WHO Hazard Class III).

Swallowed: **NOT HARMFUL**

Tests on rats indicate the product is NOT HARMFUL following single doses of undiluted product. (LD50 = > 5000 mg/kg)

Dermal absorption: **NOT HARMFUL**

Tests on rats indicate the product is NOT HARMFUL due to skin contact following single doses of undiluted product. (LD50 = > 2000 mg/kg)

Inhaled: **NOT HARMFUL**

Tests on rats indicate the product is NOT HARMFUL due to inhalation of the undiluted product. (LC50 (4 hr) > 4670 mg/m³ - highest attainable concentration)

Due to the larger particle size of this product, inhalation is not considered to be a relevant route of exposure.

Irritation - (based on studies with rabbits)

Eye: **MODERATE IRRITANT**

Skin: **SLIGHT IRRITANT**

Sensitisation (skin allergy potential) **NOT A SENSITISER**

CHRONIC TOXICITY -

Azoxystrobin technical has been extensively tested on laboratory mammals and in test-tube systems. No evidence of mutagenic, neurotoxic, carcinogenic, teratogenic or reproductive effects was obtained.

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Section 12: ECOLOGICAL INFORMATION

ECOTOXICITY

Toxicity to fish

LC50 Bluegill sunfish

Dose : 1.1 ppm

Assessment : Toxic to fish

Inform applies to : Azoxystrobin Technical

Toxicity to daphnia

EC50 Daphnia magna

Dose : 259 ppb

Inform applies to : Azoxystrobin Technical

Section 13: SPILLS AND DISPOSAL

In case of spillage it is important to take all steps necessary to:

- Avoid eye and skin contact and inhalation of dust.
- Avoid contamination of waterways.

Procedure for spill:

(1) Keep all bystanders away.

(2) Wear full length clothing and PVC gloves.

(3) Reposition any leaking containers so as to minimise leakage.

(4) **For a product spill:** Sweep granule concentrate into a pile.

For a prepared spray spill: Dam and absorb spill with an absorbent material (eg. sand or soil).

(5) Shovel the absorbed material or granule concentrate into drums.

(6) Disposal of the absorbed material will depend upon the extent of the spill.

- For quantities up to 50 kg of product bury in a secure landfill site.

- For quantities greater than 50 kg seek advice from the manufacturer (use emergency contact number

below) before attempting disposal. Contain in a secure location until disposal method is established.

(7) Decontaminate the spill area with detergent and water and rinse with the smallest volume of water practicable.

Dispose of empty, used containers by:

(1) Rinse containers before disposal. Add rinsings to the spray tank. DO NOT dispose of undiluted chemicals on site.

(2) Dispose of rinsed, empty containers at a local authority landfill. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this

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purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

Section 14: TRANSPORT INFORMATION

Road Transport Dot

Not regulated by DOT

Section 15: REGULATORY INFORMATION

Other regulations, restrictions and prohibitions

TSCA (Toxic substances Control Act) Regulations 40 CFR 710: This product is a pesticide and is exempt from TSCA regulation.

CERCLA and SARA Regulations (40 CFR 355, 370 and 372)

This product does not contain any chemicals subject to the reporting requirement of SARA

Section 313