

Sharda International Africa cc.

P.O. Box 82021, Southdale, 2135, South Africa.
Tel: 011-680.5247, Fax: 011-680.4848
eMail: shardain@vsnl.com, Website: <http://www.shardaintl.com>
(Company registration No. 2006/186705/23)

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Material Safety Data Sheet of “Segar”

1. Product name: **SEGAR** Version 1 – 2012.

Supplied by: Sharda Worldwide Exports Pvt. Ltd
Domnic Holm, 29th Road,
Bandra (w), Mumbai-400050, India.
Tel: 91-22-5678-2800

Registered by: Sharda International Africa cc.
P.O. Box 82021,
Southdale, 2135, South Africa.
Tel: 011-680-5247

Poison Centres: UNITAS Hospital – 0800-111-9900 and Tygerberg Hospital – 021-931-6129.
NetCare 082911.

2. Composition / information on ingredients

Active Ingredient: Azoxystrobin

Formulation Composition

Contents	CAS No.	Content
Azoxystrobin	131860-33-8	25%
Inert ingredients		75%

3. HAZARDS IDENTIFICATION

Potential Health Effects

Likely routes of exposure: Eye, skin, inhalation.

Eye contact, short term: This is unlikely to be an eye irritant.

Skin contact, short term: This is not regarded as a skin irritant.

Inhalation, short term: This is unlikely to be an inhalation hazard.

Potential Environmental Effects

Refer to Section 11 for toxicological and Section 12 for environmental information.

4. FIRST AID MEASURES

Eye contact: Flush eyes with clean water for at least 15 minutes. Get medical attention.

Skin contact: Remove contaminated clothing. Wash affected areas with soap and water. Get medical attention if irritation persists.

Inhalation: Move the patient to fresh air. Remove contaminated clothing. Keep warm and at rest. Get medical attention.

Ingestion: Rinse mouth with water. Give patient plenty of water to drink. If vomiting occurs give more water to

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drink. Do not give anything by mouth to an unconscious person. Get medical attention.

Advice to doctors / physician: Treat symptomatically.

Antidote: No antidote known.

5. FIRE-FIGHTING MEASURES

Extinguishing Media: Water, foam, dry chemical, CO₂.

Fire and Explosion Hazards: This product is not combustible. Do not allow fire-fighting water to contaminate drains or water sources.

Hazardous Products of Combustion: During a fire packaging and containers may produce irritating and toxic gases.

Fire Fighting Equipment: Wear personal protective clothing and a self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear personal protective clothing (overall, eye protection, gloves, boots).

Environmental Precautions: Control the spill at the source. Contain the spill to prevent spreading and the contamination of soil. Prevent contamination of drains and any water source.

Methods of Cleaning up: Use absorbent material (soil, saw dust) to absorb spilt material. Place contaminated absorbent material and soil in a marked container for disposal in an approved manner.

Refer to Section 13 for disposal of spilled material.

7. HANDLING AND STORAGE

Good industrial practice in housekeeping and personal hygiene should be followed at all times when handling this product.

Handling:

Avoid contact with eyes and skin.

Do not eat, drink or smoke while handling this product.

Wash hands and exposed skin thoroughly after handling or contact with this product.

Do not contaminate drains, sewers and water bodies when disposing of equipment rinse water.

Refer to Section 13 for disposal of rinse water.

Observe all safeguards on the label as to cleaning and destruction of the container.

Storage:

Keep out of reach of children, uninformed persons and animals.

Store in away from food, drink, seed and animal feed.

Store in a dry well-ventilated place protected from sunshine and rain.

Store only in the original labelled container.

Minimum Shelf Life: 2 years.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Airborne Exposure:

Ensure that the workplace is well ventilated.

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Engineering Controls:

Wear appropriate overalls, eye protection, gloves and boots.
If dust is a problem, wear an appropriate respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES OF PRODUCT

These are typical data based on tests but may vary from sample to sample. These typical values should not be construed as a guaranteed analysis of any specific lot or as specifications for the product.

Colour (or colour range)	White
Form	Liquid
Odour	Odourless
Flash Point	Not applicable
Density	1.082
Solubility	Water based formulation
pH	6.3
Partition Coefficient	log Pow = 2.5 at 20 °C

10. STABILITY AND REACTIVITY

Stability: Stable under normal use conditions.

Hazardous Decomposition: Can decompose at high temperatures to form toxic gasses.

Materials to Avoid / Reactivity: Oxidising agents.

11. TOXICOLOGICAL INFORMATION

This section is intended for use by toxicologists and health professionals.
Data obtained on this and similar products and components are summarised below.

Acute Oral Toxicity: Rat, LD50: 2 500 mg/kg body weight

Acute Dermal Toxicity: Rat, LD50: 2 000 mg/kg body weight

Skin Irritation: Rabbit, OECD 404 Test: Not a skin irritant.

Eye Irritation: Rabbit, OECD 405 Test: Not an eye irritant.

Skin Sensitization: Guinea Pig, Buehler Test: Not a skin sensitiser.

12. ECOLOGICAL INFORMATION

This section is intended for use by ecotoxicologists and environmental specialists.
Data obtained on this and similar products and components are summarised below.

Aquatic Toxicity, Algae and/or Aquatic Plants: Green Algae (*Selenastrum capricornutum*):
Acute toxicity, 72 hrs, static, ErC50 (growth rate): 0.1 ppm.

Aquatic Toxicity, Fish:

Bluegill Sunfish (*Lepomis macrochirus*): Acute toxicity, 96 hours, static, LC50: 1.1 mg/l
Rainbow Trout: Acute toxicity, 96 hours, static, LC50: 0.47 mg/l

Aquatic Toxicity, Invertebrates:

Water Flea (*Daphnia magna*), 48 hours, static, EC50: 259 ppb; highly toxic.

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Arthropod Toxicity

Honey bee (*Apis mellifera*): Contact, 48 hours, LD50: > 200 µg/bee
Azoxystrobin is practically non-toxic to bees, parasitic wasps and predatory mites.

Avian Toxicity

Bobwhite Quail (*Colinus virginianus*): Dietary toxicity, 5 days, LC 50: > 5 200 mg/kg diet
Mallard Duck (*Anas platyrhynchos*): Dietary toxicity, 5 days, LC 50: > 5 200 mg/kg diet

Bioaccumulation

There is a low potential for bioaccumulation.

Dissipation in Soil: Not persistent in soil.

Dissipation in Water: Stable in water.

13. DISPOSAL CONSIDERATIONS

Product

Do not burn.
Dispose of as hazardous industrial waste.
Keep out of drains, sewers, ditches and water ways.
Follow all local, regional, national and international regulations.

Containers

Triple or pressure rinse empty containers.
Pour rinse water into spray tank; spray on target area.
Store for collection by approved waste disposal service.
Dispose of as non hazardous industrial waste.
Do not burn empty containers.
Do not use containers for any other purpose.
Follow all local, regional, national and international regulations.

14. TRANSPORT INFORMATION

This is for information only. Apply appropriate local regulations.

Freight classification: Fungicide, not regulated.

Environmental classification: Water and marine pollutant; NOS Class 9, UN 3082.

15. REGULATORY INFORMATION

RSA: Registration Number L 8593, Act Number 36 of 1947.

SEARCH: Registration in the following countries –

RSA Classification: Group III (Blue, Caution)

16.

The information presented is not necessarily exhaustive but is regarded as representative. These data are presented in good faith and are believed to be correct. No representation as to the completeness or accuracy of these data is made. No responsibility for damages of any nature whatsoever resulting from the use of or reliance upon this information will be accepted. In the event of any uncertainty, consult the supplier before use.
