

MATERIAL SAFETY DATA SHEET

CUSTODIA

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1. IDENTIFICATION

Product name: **CUSTODIA**
Chemical name of active ingredient(s): **Azoxystrobin:** methyl (E)-2-[[6-(2-cyanophenoxy)-4-pyrimidinyl]oxy-alpha-(methoxymethylene)benzeneacetate
Tebuconazole: (±)-alpha-[2-(4-chlorophenyl)ethyl]-alpha-(1,1-dimethylethyl)-1*H*-1,2,4-triazole-1-ethanol
Manufacturer: Makhteshim Agan of North America, Inc.
3120 Highwoods Boulevard, Suite 100
Raleigh, NC 27604
Phone: 1-919-256-9300
Phone: 1-800-535-5053
For fire, spill, and/or leak emergencies, contact Infotrac.
For medical emergencies and health and safety inquiries, contact Prosar. Phone: 1-877-250-9291

2. HAZARDS IDENTIFICATIONS

PHYSICAL PROPERTIES:

APPEARANCE: White homogenous liquid

ODOR: Characteristic

EMERGENCY OVERVIEW: WARNING May be fatal if swallowed. Harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing. Causes moderate eye irritation. Causes skin irritation. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may generate: carbon monoxide, carbon dioxide, nitrogen oxides, chlorides.

PHYSICAL OR CHEMICAL HAZARDS: Avoid contact with strong oxidizing agents.

3. COMPOSITION/INFORMATION ON INGREDIENTS

COMMON NAME	CAS NO.	%	OSHA/PEL	ACGIH/TLV	OTHER	NTP/IARC/OSHA (Carcinogenicity)
Azoxystrobin	131860-33-8	11.47	NE	NE	NA	NA
Tebuconazole	107534-96-3	18.72	NE	NE	NA	NA

NA=Not applicable; NE: Not established

4. FIRST AID MEASURES

IF SWALLOWED:	<ul style="list-style-type: none">• Call a poison control center or doctor immediately for treatment advice.• Have person sip a glass of water if able to swallow.• Do not induce vomiting unless told to do so by a poison control center or doctor.• Do not give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15-20 minutes.• Call a poison control center or doctor for treatment advice.
IF IN EYES:	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15-20 minutes.• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.• Call a poison control center or doctor for treatment advice.
IF INHALED:	<ul style="list-style-type: none">• Move person to fresh air.• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably, mouth-to-mouth, if possible.• Call a poison control center or doctor for further treatment advice.

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Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact PROSAR at 1-877-250-9291 for emergency medical treatment information.

5. FIRE FIGHTING MEASURES

FLASH POINT: Not applicable

FLAMMABLE LIMITS: LFL/UFL: Not applicable

EXTINGUISHING MEDIA: Water spray, water fog, foam, dry chemical.

FIRE & EXPLOSION HAZARDS: Not flammable and not explosive but thermal decomposition may generate carbon monoxide, carbon dioxide, nitrogen oxides, chlorides.

FIRE-FIGHTING PROCEDURES: Fight fires from a protected location. Dike fire control water for later disposal. Do not breathe smoke, gases or vapors generated. Wear self-contained breathing apparatus and full-protective clothing.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may generate: carbon monoxide, carbon dioxide, nitrogen oxides, chlorides.

6. ACCIDENTAL RELEASE MEASURES

ACTION TO TAKE FOR SPILLS/LEAKS: In the event of minor spillage: Absorb in sand or other inert material. Use appropriate container to avoid environmental contamination. In the event of major spillage: Collect and contain as much free liquid as possible. Dike spills using absorbent or impervious materials such as sand or clay for later disposal.

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING: Do not breathe fumes. Avoid contact with skin and eyes. Carefully open containers. After partial use, replace lids and close tightly. Do not put concentrate or dilute material into food or drink containers. Do not contaminate other pesticides, fertilizers, water, food, or feed by handling, storage, or disposal.

PRECAUTIONS TO BE TAKEN IN STORAGE: Store locked up. Keep out of reach of children and animals. Keep container tightly closed when not in use. Store in the original container only. Store in a cool, dry, well-ventilated place. Protect from sunlight and from excessive heat. Do not store near food or feed.

STORAGE TEMPERATURE (MIN/MAX): Normal and ambient temperature.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION, PACKAGING AND USE OF THIS PRODUCT.

FOR COMMERCIAL APPLICATIONS AND/OR ON-FARM APPLICATIONS CONSULT THE PRODUCT LABEL.

SKIN PROTECTION: Wear coveralls over short-sleeved shirt and short pants. Wear chemical-resistant footwear plus socks.

HAND PROTECTION: Wear chemical-resistant gloves, such as barrier laminate, nitrile rubber, neoprene rubber, or Viton.

EYE PROTECTION: Wear chemical goggles or face shield.

RESPIRATOR REQUIREMENTS: During spraying wear suitable respiratory equipment.

ADDITIONAL PROTECTIVE MEASURES: Follow the manufacturer's instructions for cleaning/maintaining personal protective equipment (PPE). If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

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USER SAFETY RECOMMENDATIONS:

Users should:

- Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE 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 into clean clothing.

EXPOSURE GUIDELINES: Refer to Section 2.

ENGINEERING CONTROLS: Refer to product label.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	White homogenous liquid
ODOR:	Characteristic
pH:	6.5
RELATIVE DENSITY:	1.08 - 1.09 g/ml
VISCOSITY:	187-596 mPa.s {shear rate 200-100 1S, 20 °C}
SOLUBILITY:	Suspension concentration
FLASH POINT:	Not applicable
LOG P OCTANOL:	Azoxystrobin: 2.5 (20°C) Tebuconazole: 3.7 (20°C)

EXPLOSION PROPERTIES: Not explosive

OXIDIZING PROPERTIES: Not oxidizing

10. STABILITY AND REACTIVITY

PHYSICO-CHEMICAL STABILITY: Stable under normal use and storage conditions.

HAZARDOUS REACTIONS: Avoid contact with strong oxidizing agents.

POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Protect from sunlight.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may generate carbon monoxide, carbon dioxide, nitrogen oxides, chlorides.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY/IRRITATION STUDIES:

Acute Oral LD₅₀ (Rat): 300 mg/kg < LD₅₀ < 2,000 mg/kg

Acute Dermal LD₅₀ (Rat): > 2,000 mg/kg

Acute Inhalation LC₅₀ (Rat): > 4.79 mg/L (4 hrs)

Eye Irritation (Rabbit): Non-irritating

Skin Irritation (Rabbit): Non-irritating

Dermal Sensitization (Guinea Pig): Not a skin-sensitizer

TOXICOLOGICAL INFORMATION:

CARCINOGENICITY: Not carcinogenic

GERM CELL MUTAGENICITY: Not mutagenic

REPRODUCTIVE TOXICITY: **Tebuconazole:** Possible risk of harm to the unborn child.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL HAZARDS: This pesticide is toxic to mammals, fish, and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwater or rinsate.

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ECOTOXICOLOGICAL INFORMATION:

96 H-LC₅₀ - Rainbow trout [mg/l]: 5.48

48 H-LC₅₀-Daphnia magna [mg/l]: 2.15

Bees LD₅₀ [µg/Bee]: > 200 Not toxic to bees

72 H-EC₅₀ - Algae [mg/l]: 8.72

Birds LC₅₀ [mg/kg]: > 2000 (quail)

Persistence and Degradability: Low bioaccumulation potential in soil

13. DISPOSAL CONSIDERATIONS

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of unused pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative of the nearest EPA Regional Office for guidance in proper disposal methods.

CONTAINER DISPOSAL: Dispose of product containers, waste containers, and residues according to label instructions and local, state, and federal health and environmental regulations.

14. TRANSPORT INFORMATION

DOT CLASSIFICATION: Not regulated.

INTERNATIONAL TRANSPORTATION:

IMO (vessel): UN 3082, Environmentally hazardous substance, liquid, N.O.S. (Azoxystrobin, Tebuconazole), 9, PGIII, Marine Pollutant

IATA (air): UN 3082, Environmentally hazardous substance, liquid, N.O.S. (Azoxystrobin, Tebuconazole), 9, PGIII, Marine Pollutant

15. REGULATORY INFORMATION

SARA TITLE III CLASSIFICATION:

Section 302: Not applicable.

Section 311/312: Acute health hazard (immediate)
Chronic health hazard (delayed)

Section 313: Not applicable.

CA PROPOSITION 65: Not applicable

CERCLA RQ: Not applicable

RCRA CLASSIFICATION: Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

TSCA STATUS: The ingredients of this product are listed on the TSCA inventory or exempt.

16. OTHER INFORMATION

HAZARD RATINGS	NFPA	HMIS	
HEALTH:	2	2	0 MINIMAL
FLAMMABILITY:	0	0	1 SLIGHT
REACTIVITY:	0	0	2 MODERATE
			3 HIGH
			4 SEVERE

MSDS DATE: 5-10-13

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