

Syngenta

HERITAGE(R) FUNGICIDE

Syngenta Crop Protection Canada  
 HERITAGE(R) FUNGICIDE  
 Date issued: 03/09/18 (Y/M/D)

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 Section 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION  
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Company: Syngenta Crop Protection Canada, Inc.  
 140 Research Lane  
 Guelph, Ontario  
 N1G 4Z3  
 Phone number: (519) 836-5665  
 Emergency phone: 1-800-327-8633 (1-800-FASTMED)  
 Name used on label: HERITAGE FUNGICIDE  
 Product use: Fungicide  
 Formulation Number: A12704A  
 Registration Number: 26155  
 A Registered Trade Mark of a Syngenta group company.

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 Section 2 - COMPOSITION/INFORMATION ON INGREDIENTS  
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Identity	CAS-no.	Typical %	Other information
AZOXYSTROBIN TECHNICAL	131860-33-8	50 %	
KAOLIN	1332-58-7	40.9 %	
Other Ingredients:		9.1 %	

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 Section 3 - HAZARDS IDENTIFICATION  
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Physical hazards: None  
 Health hazards: This material may cause mild irritation following eye contact.

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 Section 4 - FIRST AID MEASURES  
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IF IN EYES: Immediately flush eyes with running water for a minimum of 20 minutes. Hold eyelids open during flushing. If irritation persists, repeat flushing. Obtain medical attention immediately.  
 IF ON SKIN: Flush skin with running water for a minimum of 20 minutes. Start flushing while removing contaminated clothing. If irritation persists, repeat flushing. Obtain medical attention immediately.  
 IF SWALLOWED: Provided the patient is conscious, give 1 or 2 glasses of water to drink. Immediately contact Syngenta's Emergency Information Network at 1-800-F-A-S-T-M-E-D (327-8633). Vomiting should only be induced under the direction of a physician or a poison control center. If spontaneous vomiting occurs, have victim lean forward with head down to avoid breathing in of vomitus, rinse mouth and administer water. Immediately transport victim to an emergency facility.  
 IF INHALED: Remove victim to fresh air. Apply artificial respiration if breathing has ceased or shows signs of failing. Obtain medical attention as a precaution.

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 Section 5 - FIRE FIGHTING MEASURES  
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Flash point: Not Applicable  
 Autoignition temperature: No data  
 Flammable limits (STP): Not applicable  
 Minimum Ignition Energy: 3 - 10 mJ (dust cloud)  
 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 runoff water with, for example, temporary earth barriers.  
 PROTECTIVE EQUIPMENT: A self-contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

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 Section 6 - ACCIDENTAL RELEASE MEASURES  
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ENVIRONMENTAL PRECAUTIONS: Washings must be prevented from entering surface water drains.  
 METHODS FOR CLEANING UP: Wear appropriate equipment (gloves, glasses, apron) when attempting to clean up the spill. Sweep up spilled product with a broom and shovel into tightly closable container. If on a floor or hard surface, wash the surface or floor with detergent and water, then rinse. If on soil, collect contaminated surface soil with the product. If the product is clean, it may be used; otherwise follow the DISPOSAL instructions.

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 Section 7 - HANDLING AND STORAGE  
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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: 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.

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 Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION  
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Occupational exposure limits  
 SYNGENTA Standard AZOXYSTROBIN TECHNICAL  
 8 hr TWA: 2 mg/m3  
 Not applicable to field use.  
 Occupational exposure standards: No Occupational Exposure Limit Assigned.  
 ENGINEERING CONTROLS: This product is intended for use outdoors where engineering controls are not necessary.  
 BODY PROTECTION: Applicators and other handlers must wear: Long-sleeved shirt and long pants, waterproof gloves and shoes plus socks.  
 PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water is: Coveralls, waterproof gloves, chemical-resistant footwear plus socks, protective eyewear and Chemical-resistant headgear for overhead exposure.  
 HYGENIC MEASURES: Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing 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.  
 General information: An adequate supply of clean potable water should be available to allow thorough flushing of skin and eyes in event of contact with this compound.

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 Section 9 - PHYSICAL AND CHEMICAL PROPERTIES  
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Physical state: Granule  
 Colour: beige to brown  
 Odour: No characteristic odour  
 Melting point: 114 - 116 deg C (Azoxystrobin Technical).  
 Vapor Pressure: 1.25 mm Hg at 25 deg C. (Azoxystrobin Technical)  
 Vapour density: No data  
 Specific gravity: No data  
 Bulk density: 31.2 - 43.7 lb/cu ft  
 pH: 5 - 8  
 Solubility in Water: 6 mg/L @ 20 deg C (Azoxystrobin Technical)  
 Vapour Pressure: 8.25 x 10<sup>-13</sup> mmHg @ 20 deg C (Azoxystrobin Technical)

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 Section 10 - STABILITY AND REACTIVITY  
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HAZARDOUS REACTIONS (CONDITIONS TO AVOID): Stable under normal conditions.  
 Hazardous polymerization: Will not occur.  
 HAZARDOUS REACTIONS (MATERIALS TO AVOID): oxidising agents  
 HAZARDOUS DECOMPOSITION PRODUCTS: Combustion products - Carbon dioxide, carbon monoxide.

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 Section 11 - TOXICOLOGICAL INFORMATION  
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ACUTE TOXICITY (LETHAL DOSES)  
 LD50 Oral rat: > 5000 mg/kg (Low oral toxicity).  
 LD50 Dermal rat: > 2000 mg/kg  
 LC50 Inhalation rat: > 4.67 mg/L (4 hours)  
 Additional inform.: Unlikely to cause harmful effects under normal conditions of handling and use.  
 ACUTE TOXICITY (IRRITATION, SENSITIZATION ETC.)  
 Eye Irritation Results: Moderate irritant.  
 Skin Sensitisation (Buehler guinea pig): It is not a skin sensitiser.  
 Inhalation Results: May be irritant to the respiratory tract.

DELAYED OR CHRONIC TOXICOLOGICAL EFFECTS  
 Long Term Exposure Symptoms: No long term risks to man are associated with the normal handling and use of this material.

GENERAL INFORMATION ABOUT ACUTE OR OTHER TOXICITIES  
 General information  
 Subchronic and chronic studies at high doses showed bile duct and liver effects in lab animals.  
 Studies in animals have shown that repeated doses produce no carcinogenic, reproductive or developmental effects.  
 Material was not mutagenic in lab studies.  
 Inform. applies to: AZOXYSTROBIN TECHNICAL

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 Section 12 - ECOLOGICAL INFORMATION  
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ECOTOXICITY  
 Toxicity to fish  
 LC50 Bluegill sunfish: 1.1 ppm  
 Assessment: Toxic to fish.  
 Inform. applies to: AZOXYSTROBIN TECHNICAL  
 Toxicity to daphnia  
 EC50 Daphnia magna: 259 ppb  
 Inform. applies to: AZOXYSTROBIN TECHNICAL  
 Toxicity to daphnia  
 EC50 Daphnia magna: 1.8 ug/l (48 hours)  
 Assessment: Very toxic to aquatic invertebrates.  
 Additional information: (Not necessarily identical to the EC classification risk phrases).

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 Section 13 - DISPOSAL CONSIDERATIONS  
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Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site.  
 Before taking the container to the collection site:  
 (1) Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.  
 (2) Make the empty, rinsed container unsuitable for further use.  
 If there is no container collection site in your area, dispose of container in accordance with provincial requirements. For information on the disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

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 Section 14 - TRANSPORT INFORMATION  
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TRANSPORT/ADDITIONAL INFORMATION  
 ROAD TRANSPORTATION: Not regulated by TDG.

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 Section 15 - REGULATORY INFORMATION  
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Other regulations, restrictions and prohibitions  
 Pest Control Products (PCP) Act Registration No: 26155

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 Section 16 - OTHER INFORMATION  
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 COMPAS Code: 46010351  
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