



**BioWorks®**

**MilStop® Broad Spectrum  
Foliar Fungicide**

Revision: September 10, 2018

## SAFETY DATA SHEET

### 1. IDENTIFICATION

General Use: Foliar Fungicide

Common Name: MilStop® Broad Spectrum Foliar Fungicide

MANUFACTURED FOR: BioWorks, Inc.  
100 Rawson Rd, Suite 205  
Victor, NY 14564

EMERGENCY TELEPHONE NUMBERS: BioWorks, Inc: 800-877-9443  
CHEMTREC: 800-424-9300 (USA and Canada)

### 2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: White to off-white powder with mild, characteristic odor. Harmful if swallowed. Causes moderate eye irritation.

#### POTENTIAL HEALTH EFFECTS

INHALATION: Dust may irritate the respiratory tract.

EYE CONTACT: Causes moderate eye irritation.

SKIN CONTACT: Not a primary skin irritant.

INGESTION: Harmful if swallowed

CHRONIC: No known effects based on animal studies.

CARCINOGENICITY: The ingredients in this product are not listed by NTP, OSHA, or ACGIH as a carcinogen.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

COMPONENT	CAS No.	%	OSHA PEL	ACGIH TLV
Potassium bicarbonate	298-14-6	85	N/E	N/E
Inert ingredients	confidential	15	N/E	N/E

N/E = not established

### 4. FIRST-AID MEASURES

INHALATION: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

SKIN CONTACT: Remove contaminated clothing. Wash thoroughly with soap and water immediately. Get medical attention if irritation develops.

EYE CONTACT: In cases of contact, hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

INGESTION: If swallowed, do NOT induce vomiting. Call a physician.

## 5. FIRE-FIGHTING MEASURES

FLASH POINT: Not applicable.

AUTOIGNITION TEMPERATURE: Not determined

EXTINGUISHING MEDIA: Not combustible.

SPECIAL FIRE-FIGHTING PROCEDURES: Evacuate personnel to a safe area. Keep personnel removed and upwind of fire. Wear self-contained breathing apparatus and full protective equipment.

UNUSUAL FIRE and EXPLOSION HAZARDS: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition will produce oxides of carbon and potassium.

## 6. ACCIDENTAL RELEASE MEASURES

GENERAL: Take all additional action necessary to prevent and remedy the adverse effects of the spill. This product should be prevented from entering bodies of water.

SPECIFIC: In case of spill, collect material immediately. Wipe residual material from surfaces with cloth. Do not wash residues into drains or other waterways.

## 7. HANDLING and STORAGE

Avoid contact with skin and eyes. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse.

Store in original container in a cool, dry place away from acids. Prevent exposure to moisture. Keep container tightly closed and out of reach of children. Avoid contamination with other pesticides or fertilizers. Do not contaminate water, food or feed.

## 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Avoid contact with skin or clothing. Keep container tightly closed.

PERSONAL PROTECTION:

RESPIRATORY: Use with adequate ventilation to prevent dust inhalation.

PROTECTIVE GLOVES: Use protective gloves.

OTHER: Applicators and other handlers must wear: long-sleeved shirt, long pants, socks and shoes, Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: white to off-white powder

ODOR: mild, characteristic odor

VAPOR PRESSURE: Not applicable

SPECIFIC GRAVITY: 0.76-0.86 g/cc

SOLUBILITY in water: Soluble

pH: 8.0-8.4 @ 1%

MELTING POINT: Not determined

BOILING POINT: Not determined

APPARENT DENSITY: 6.3-7.2lbs/gal

VISCOSITY: Not determined

## 10. STABILITY AND REACTIVITY

STABILITY: Stable under normal recommended storage and handling conditions. (see section 7)

HAZARDOUS POLYMERIZATION: Will not occur.

INCOMPATIBILITY: Strong acidic materials.

HAZARDOUS THERMAL DECOMPOSITION PRODUCTS: Thermal decomposition will produce oxides of carbon and potassium.

## 11. TOXICOLOGICAL DATA

ACUTE ORAL: LD50 = 2,700 mg/kg (rat)

ACUTE DERMAL: LD50 >5,000 mg/kg (rat)

ACUTE INHALATION: LC50 > 2.3 mg/L (rat)

SKIN IRRITATION: Irritation index (rabbit) = 0.17

EYE IRRITATION: Non-irritating for 0.5% active ingredient (rabbit)

SENSITIZATION: Not a sensitizer in guinea pigs

GENOTOXICITY: No data available.

TERATOGENICITY: No data available.

## 12. ECOLOGICAL INFORMATION

FISH TOXICITY: No data available

DAPHNIA MAGNA TOXICITY: No data available

ALGAE: No data available

OTHER: Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment wash water.

## 13. DISPOSAL CONSIDERATIONS

Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

## 14. TRANSPORT INFORMATION

Land: ADR / RID Class: Not controlled under ADR (Europe)  
Water: IMDG Class: Not controlled under IMDG  
Air: IATA - DGR Class: Not controlled under IATA

### OTHER:

US DOT: Not Regulated  
Canadian TDG: Not Regulated under Canadian Transport of Dangerous Goods Regulations

PROPER SHIPPING NAME: Fungicide, Agricultural, Solid NOS

HAZARD CLASS: Not applicable

UN NUMBER: Not applicable

PACKING GROUP: Not applicable

LABEL REQUIRED: Not applicable

## 15. REGULATORY INFORMATION

UNITED STATES (EPA Reg. No. 70870-1-68539)

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other information, including direction for use.

### CAUTION

Dust may irritate the respiratory tract.

Causes moderate eye irritation.

Harmful if swallowed

CANADA (PCP No. 28095)

WHMIS: This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

## 16. OTHER INFORMATION

CONTACT: BioWorks, Inc.  
100 Rawson Rd, Suite 205  
Victor, NY 14564

TELEPHONE: 800-877-9443

## DISCLAIMER AND LIMITATIONS OF LIABILITY

BUYER ASSUMES ALL RESPONSIBILITY FOR SAFETY IF USE IS NOT IN ACCORDANCE WITH LABEL INSTRUCTIONS. THIS PRODUCT HAS BEEN RESEARCHED TO PROVIDE NECESSARY DATA TO SUPPORT ITS USE ON THE ORNAMENTAL AND AGRICULTURAL PLANTS LISTED ON THE LABEL. HOWEVER, IT IS UNDERSTOOD THAT TESTS MAY NOT HAVE BEEN CARRIED OUT ON ALL VARIETIES OR CULTIVARS AND UNDER ALL GROWING CONDITIONS ON ALL PLANTS LISTED ON THE LABEL. THE USER SHOULD ALWAYS FOLLOW THE LABEL DIRECTIONS AND EXERCISE CARE WHEN USING THIS PRODUCT ON A GIVEN VARIETY UNTIL FAMILIAR WITH THE RESULTS UNDER HIS GROWING CONDITIONS.

NO WARRANTY OR REPRESENTATION IS MADE, EXPRESS OR IMPLIED, CONCERNING THE RESULTS OBTAINED FROM THE USE OF THIS PRODUCT IF NOT USED IN ACCORDANCE WITH THE DIRECTIONS OR ESTABLISHED SAFE PRACTICE. THE EXCLUSIVE REMEDY OF THE USER OR BUYER AND THE LIMIT OF LIABILITY OF BIOWORKS, INC. OR ANY OTHER SELLER, FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT SHALL BE THE PURCHASE PRICE PAID BY THE USER OR BUYER FOR THE QUANTITY OF THIS PRODUCT INVOLVED. THE BUYER AND ALL USERS ARE DEEMED TO HAVE ACCEPTED THE TERMS OF THIS NOTICE, WHICH MAY BE VARIED ONLY BY AGREEMENT IN WRITING, SIGNED BY A DULY AUTHORIZED REPRESENTATIVE OF BIOWORKS, INC.