1. PRODUCT IDENTIFICATION

Product identifier on label: MURAL
Product No.: A18126B
Use: Fungicide
Manufacturer: Syngenta Crop Protection, LLC
Post Office Box 18300
Greensboro NC 27419
Manufacturer Phone: 1-800-334-9481
Emergency Phone: 1-800-888-8372

2. HAZARDS IDENTIFICATION

Classifications:
Oral: Category 4
Skin Sensitizer: Category 1B
Eye Damage/Irritation: Category 2B

Signal Word (OSHA): Warning

Hazard Statements:
Harmful if swallowed
May cause an allergic skin reaction
Causes eye irritation

Precautionary Statements:
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice.
Avoid breathing dust.
Wash hands and face thoroughly after handling.
Do not eat, drink or smoke when using this product.
Contaminated work clothing must not be allowed out of the workplace.
Protective gloves, protective clothing, eye protection.
If swallowed: Call a poison center, doctor or Syngenta if you feel unwell. Rinse mouth.
On skin: Wash with plenty of soap and water.
If skin irritation occurs: Get medical advice.
See Section 4 First Aid Measures.
Wash contaminated clothing before reuse.
Dispose of contents and container in accordance with local regulations.
Safety Data Sheet

MURAL

Date: 5/10/2016
Replaces: 9/1/2015

Other Hazard Statements: May form combustible dust concentrations in air.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Common Name</th>
<th>CAS Number</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Other ingredients</td>
<td>Other ingredients</td>
<td>Trade Secret</td>
<td>&lt;55%</td>
</tr>
<tr>
<td>Calcium Carbonate</td>
<td>Calcium Carbonate</td>
<td>Trade Secret</td>
<td>Trade Secret</td>
</tr>
<tr>
<td>Methyl (E)-2-{2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl}-3-methoxycrylate</td>
<td>Azoxystrobin</td>
<td>131860-33-8</td>
<td>30%</td>
</tr>
<tr>
<td>N-[9-(dichloromethylene)-1,2,3,4-tetrahydro-1,4-methanonaphthalen-5-yl]-3-(difluoromethyl)-1-methyl-1H-pyrazole-4-carboxamide</td>
<td>Benzovindiflupy</td>
<td>1072957-71-1</td>
<td>15%</td>
</tr>
</tbody>
</table>

Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.

4. FIRST AID MEASURES

Have the product container, label or Safety Data Sheet with you when calling Syngenta (800-888-8372), a poison control center or doctor, or going for treatment.

Ingestion: If swallowed: Call Syngenta (800-888-8372), a poison control center or doctor immediately for treatment advice. Do not give any liquid to the person. Do not induce vomiting unless told to do so after calling 800-888-8372 or by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Eye Contact: If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Call Syngenta (800-888-8372), a poison control center or doctor for treatment advice.

Skin Contact: If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call Syngenta (800-888-8372), a poison control center or doctor for treatment advice.

Inhalation: If inhaled: 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 Syngenta (800-888-8372), a poison control center or doctor for further treatment advice.

Most important symptoms/effects:
- Eye irritation
- Allergic skin reaction

Indication of immediate medical attention and special treatment needed:
- There is no specific antidote if this product is ingested.
- Treat symptomatically.
- Persons suffering a temporary allergic reaction may respond to treatment with antihistamines or steroid creams and/or systemic steroids.

5. FIRE FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:
- Use dry chemical, foam or CO2 extinguishing media. If water is used to fight fire, dike and collect runoff.

Specific Hazards:
- During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.
Special protective equipment and precautions for firefighters:
Wear full protective clothing and self-contained breathing apparatus. Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes or products of combustion.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures:
Follow exposure controls/personal protection outlined in Section 8.

Methods and materials for containment and cleaning up:
Avoid dust formation.
Control the spill at its source. Contain the spill to prevent from spreading or contaminating soil or from entering sewage and drainage systems or any body of water. Clean up spills immediately, observing precautions outlined in Section 8. Sweep up material and place in a compatible disposal container. Scrub area with hard water detergent (e.g. commercial products such as Tide, Joy, Spic and Span). Pick up wash liquid with additional absorbent and place into compatible disposal container. Once all material is cleaned up and placed in a disposal container, seal container and arrange for disposition.

7. HANDLING AND STORAGE

Precautions for safe handling:
This material is capable of forming flammable dust clouds in air, which, if ignited, can produce a dust cloud explosion. Flames, hot surfaces, mechanical sparks and electrostatic discharges can serve as ignition sources for this material. Electrical equipment should be compatible with the flammability characteristics of this material. The flammability characteristics will be made worse if the material contains traces of flammable solvents or is handled in the presence of flammable solvents.

This material could become charged under certain conditions such as pneumatic conveying.

Store the material in a well-ventilated, secure area out of reach of children and domestic animals. Do not store food, beverages or tobacco products in the storage area. Prevent eating, drinking, tobacco use, and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.

Conditions for safe storage, including any incompatibilities:
Not Applicable

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

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

### Occupational Exposure Limits:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Other</th>
<th>Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Carbonate</td>
<td>15 mg/m³ , total dust, 8 Hr. TWA, 5 mg/m³ , respirable dust, 8 Hr. TWA</td>
<td>Not Established</td>
<td>10 mg/m³ , total dust, 8 Hr. TWA, 5 mg/m³ , respirable dust, 8 Hr. TWA</td>
<td>NIOSH</td>
</tr>
<tr>
<td>Azoxystrobin</td>
<td>Not Established</td>
<td>Not Established</td>
<td>4 mg/m³ TWA</td>
<td>Syngenta</td>
</tr>
<tr>
<td>Benzoindiflupyr</td>
<td>Not Established</td>
<td>Not Established</td>
<td>1 mg/m³ TWA</td>
<td>Syngenta</td>
</tr>
</tbody>
</table>
Appropriate engineering controls:
Use effective engineering controls to comply with occupational exposure limits (if applicable).

Individual protection measures:

Ingestion:
Prevent eating, drinking, tobacco usage and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.

Eye Contact:
Where eye contact is likely, use dust-proof chemical goggles. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Skin Contact:
Where contact is likely, wear chemical-resistant gloves (such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride [PVC] or Viton), coveralls, socks and chemical-resistant footwear.

Inhalation:
A particulate filter respirator may be necessary until effective engineering controls are installed to comply with occupational exposure limits. Use NIOSH certified respirator with any N, R, P or HE filter. Use a self-contained breathing apparatus in cases of emergency spills, when exposure levels are unknown, or under any circumstances where air-purifying respirators may not provide adequate protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Beige to dark brown solid
Odor: Weak, uncharacteristic
Odor Threshold: Not Available
pH: > 8.50 - 10.50 (1% w/v @ 68 - 77°F (20 - 25°C))
Melting point/freezing point: Not Available
Initial boiling point and boiling range: Not Available
Flash Point (Test Method): Not Available
Flammable Limits (% in Air): Not Available
Flammability: Not Available
Vapor Pressure: Azoxystrobin 8.25 x 10(-13) mmHg @ 68°F (20°C)
Benzovindiflupyr Not Available
Vapor Density: Not Available
Relative Density: 0.56 g/cm³ (bulk density)
Solubility (ies): Azoxystrobin 6 mg/l in water @ 68°F (20°C)
Benzovindiflupyr Not Available
Partition coefficient: n-octanol/water: Not Available
Autoignition Temperature: Not Available
Decomposition Temperature: Not Available
Viscosity: Not Available
Other: None
10. STABILITY AND REACTIVITY

Reactivity: Not reactive.
Chemical stability: Stable under normal use and storage conditions.
Possibility of hazardous reactions: Will not occur.
Conditions to Avoid: None known.
Incompatible materials: None known.
Hazardous Decomposition Products: Not Available

11. TOXICOLOGICAL INFORMATION

Health effects information
Likely routes of exposure: Dermal, Inhalation

Symptoms of exposure: Eye irritation

Delayed, immediate and chronic effects of exposure: Eye irritation, Allergic skin reaction

Numerical measures of toxicity (acute toxicity/irritation studies (finished product))

Ingestion: Oral (LD50 Rat) : 1049 mg/kg body weight
Dermal: Dermal (LD50 Rat) : > 2000 mg/kg body weight
Inhalation: Inhalation (LC50 Rat) : 5.01 mg/l air - 4 hours
Eye Contact: Moderately Irritating (Rabbit)
Skin Contact: Non-Irritating (Rabbit)
Skin Sensitization: Sensitizing (Guinea Pig)

Reproductive/Developmental Effects
Azoxystrobin: Did not show reproductive toxicity effects in animal experiments.
Benzovindiflupyr: Did not show reproductive toxicity effects in animal experiments.

Chronic/Subchronic Toxicity Studies
Azoxystrobin: No adverse effect has been observed in chronic toxicity tests.
Benzovindiflupyr: The substance or mixture is not classified as specific target organ toxicant, single exposure.

Carcinogenicity
Azoxystrobin: Did not show carcinogenic effects in animal experiments.
Benzovindiflupyr: Animal testing did not show any mutagenic effects.
Studies in rodents have shown no treatment-related tumor findings of relevance to human health.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>NTP/IARC/OSHA Carcinogen</th>
</tr>
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<tbody>
<tr>
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<td>Methyl (E)-2-[2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl]-3-methoxyacrylate</td>
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N-[9-(dichloromethylene)-1,2,3,4-tetrahydro-1,4-methanonaphthalen-5-yl]-3-(difluoromethyl)-1-methyl-1H-pyrazole-4-carboxamide

Other Toxicity Information
None

Toxicity of Other Components
Calcium Carbonate
May irritate eyes and respiratory tract.

Other ingredients
Not Established

12. ECOLOGICAL INFORMATION

Eco-Acute Toxicity
Azoxystrobin:
Fish (Rainbow Trout) 96-hour LC50 470 ppb
Green Algae 5-day EC50 106 ppb
Invertebrate (Water Flea) 48-hour EC50 259 ppb
Bird (Mallard Duck) 14-day LD50 > 250 mg/kg

Benzovindiflupyr:
Invertebrate (Water Flea) Daphnia Magna 48-hour EC50 0.085 mg/l
Fish (Carp) 96-hour LC50 0.0035 mg/l

Environmental Fate
Azoxystrobin:
The information presented here is for the active ingredient, azoxystrobin.

Benzovindiflupyr:
The following information is for the active ingredient, benzovindiflupyr.
Biodegradability: Not biodegradable.
Does not bioaccumulate.
Slightly mobile in soils.
Results of PBT and vPvB assessment: This substance is not considered to be persistent, bioaccumulating nor toxic (PBT). This substance is not considered to be very persistent nor very bioaccumulating (vPvB).
13. DISPOSAL CONSIDERATIONS

Disposal:
Do not reuse product containers. Dispose of product containers, waste containers, and residues according to local, state, and federal health and environmental regulations.

Characteristic Waste: Not Applicable
Listed Waste: Not Applicable

14. TRANSPORT INFORMATION

DOT Classification
Ground Transport - NAFTA
Not regulated

Comments
Water Transport - International
Proper Shipping Name: Environmentally Hazardous Substance, Solid, N.O.S. (Azoxystrobin, Benzovindiflupyr), Marine Pollutant
Hazard Class: Class 9
Identification Number: UN 3077
Packing Group: PG III

Air Transport
Proper Shipping Name: Environmentally Hazardous Substance, Solid, N.O.S. (Azoxystrobin, Benzovindiflupyr)
Hazard Class: Class 9
Identification Number: UN 3077
Packing Group: PG III

15. REGULATORY INFORMATION

Pesticide Registration:
This chemical is a pesticide product registered by the 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, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

Caution: Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

EPA Registration Number(s):
100-1479

EPCRA SARA Title III Classification:
Section 311/312 Hazard Classes: Acute Health Hazard
Section 313 Toxic Chemicals: None

CERCLA/SARA 304 Reportable Quantity (RQ):
Not Applicable

RCRA Hazardous Waste Classification (40 CFR 261):
Not Applicable
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