MATERIAL SAFETY DATA SHEET

Syngenta Crop Protection, LLC
Post Office Box 18300
Greensboro, NC 27419

In Case of Emergency, Call
1-800-888-8372

1. PRODUCT IDENTIFICATION

<table>
<thead>
<tr>
<th>Product Name:</th>
<th>MONUMENT 75 WG</th>
<th>Product No.:</th>
<th>A9842A</th>
</tr>
</thead>
<tbody>
<tr>
<td>EPA Signal Word:</td>
<td>Caution</td>
<td>CAS No.:</td>
<td>290332-10-4</td>
</tr>
<tr>
<td>Active Ingredient(%)</td>
<td>Trifloxysulfuron-Sodium (75.0%)</td>
<td>Syngenta Hazard Category:</td>
<td>B</td>
</tr>
<tr>
<td>Chemical Name:</td>
<td>2-Pyridinesulfonamide, N-[(4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]-3(2,2,2-trifluoroethoxy)-, monosodium salt, monohydrate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chemical Class:</td>
<td>Sulfonylurea Herbicide</td>
<td></td>
<td></td>
</tr>
<tr>
<td>EPA Registration Number(s):</td>
<td>100-1134</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Section(s) Revised: 11, 15

2. HAZARDS IDENTIFICATION

Health and Environmental
Harmful if inhaled. May be harmful in contact with skin.

Hazardous Decomposition Products
None known.

Physical Properties
Appearance: Light beige to brown granules
Odor: Not determined

Unusual Fire, Explosion and Reactivity Hazards
During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Material</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crystalline Silica, Quartz and Cristobalite</td>
<td>10 mg/m³ (%SiO2+2) (respirable dust)</td>
<td>0.025 mg/m³ (respirable silica)</td>
<td>0.05 mg/m³ (respirable dust) **</td>
</tr>
<tr>
<td>Diatomaceous Earth</td>
<td>80 mg/m³ %SiO2 (20 mppcf) TWA</td>
<td>Not Established</td>
<td>6 mg/m³ TWA **</td>
</tr>
<tr>
<td>Trifloxysulfuron-Sodium (75.0%)</td>
<td>Not Established</td>
<td>Not Established</td>
<td>10 mg/m³ TWA ***</td>
</tr>
</tbody>
</table>

** recommended by NIOSH
*** Syngenta Occupational Exposure Limit (OEL)

Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.
Syngenta Hazard Category: B

4. FIRST AID MEASURES

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

Fire and Explosion
- Flash Point (Test Method): Not Applicable
- Flammable Limits (% in Air): Lower: Not Applicable, Upper: Not Applicable
- Autoignition Temperature: Not Available
- Flammability: Not Applicable

Unusual Fire, Explosion and Reactivity Hazards
During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.

In Case of Fire
- Use dry chemical, foam or CO2 extinguishing media. 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.
- Prevent use of contaminated buildings, area, and equipment until decontaminated. Water runoff can cause environmental damage. If water is used to fight fire, dike and collect runoff.

6. ACCIDENTAL RELEASE MEASURES

In Case of Spill or Leak
- 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 in Protective Equipment Section. 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

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.

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.
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.

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

Inhalation: A respirator is not normally required when handling this substance. Use effective engineering controls to comply with occupational exposure limits.

In case of emergency spills, use a NIOSH approved respirator with any N, R, or P or HE filter.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Light beige to brown granules</td>
</tr>
<tr>
<td>Odor</td>
<td>Not determined</td>
</tr>
<tr>
<td>Melting Point</td>
<td>Not Available</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>Not Applicable</td>
</tr>
<tr>
<td>Specific Gravity/Density</td>
<td>0.60 - 0.80 g/cm³</td>
</tr>
<tr>
<td>pH</td>
<td>8 - 12 (1% w/w dilution in deionized water)</td>
</tr>
<tr>
<td>Solubility in H2O</td>
<td></td>
</tr>
<tr>
<td>Trifloxysulfuron-Sodium</td>
<td>102.5 mg/l @ 77°F (25°C) (pH 5.4)</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td></td>
</tr>
<tr>
<td>Trifloxysulfuron-Sodium</td>
<td>7.5 x 10(-8) mmHg @ 77°F (25°C)</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stability</td>
<td>Stable under normal use and storage conditions.</td>
</tr>
<tr>
<td>Hazardous Polymerization</td>
<td>Will not occur.</td>
</tr>
<tr>
<td>Conditions to Avoid</td>
<td>None known.</td>
</tr>
<tr>
<td>Materials to Avoid</td>
<td>None known.</td>
</tr>
<tr>
<td>Hazardous Decomposition Products</td>
<td>None known.</td>
</tr>
</tbody>
</table>

11. TOXICOLOGICAL INFORMATION

Acute Toxicity/Irritation Studies (Finished Product)

<table>
<thead>
<tr>
<th>Route</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ingestion</td>
<td>Oral (LD50 Rat) : &gt; 5000 mg/kg body weight</td>
</tr>
<tr>
<td></td>
<td>Dermal (LD50 Rat) : &gt; 2000 mg/kg body weight</td>
</tr>
<tr>
<td>Inhalation</td>
<td>Inhalation (LC50 Rat) : &gt; 2.55 mg/l air - 4 hours</td>
</tr>
<tr>
<td>Eye Contact</td>
<td>Minimally Irritating (Rabbit)</td>
</tr>
<tr>
<td>Skin Contact</td>
<td>Slightly Irritating (Rabbit)</td>
</tr>
<tr>
<td>Skin Sensitization</td>
<td>Not a Sensitizer (Guinea Pig)</td>
</tr>
</tbody>
</table>

Reproductive/Developmental Effects


Chronic/Subchronic Toxicity Studies

Trifloxysulfuron-Sodium : Not Available

Carcinogenicity
12. ECOLOGICAL INFORMATION

Ecotoxicity Effects
Trifloxysulfuron-Sodium:
- Invertebrate (Water Flea) Daphnia Magna 48-hour EC50 > 108 ppm
- Green Algae 72-hour EC50 23 ppm
- Bird (Bobwhite Quail) 14-day LD50 > 2250 mg/kg

Environmental Fate
Trifloxysulfuron-Sodium:
The information presented here is for the active ingredient, trifloxysulfuron-sodium.
Not persistent in soil or water. Highly mobile in soil. Will leach. Sinks in water (after 24 h).

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.
15. REGULATORY INFORMATION

EPCRA SARA Title III Classification
Section 311/312 Hazard Classes: Acute Health Hazard
Section 313 Toxic Chemicals: Not Applicable

California Proposition 65
This product contains trace amounts of chemical(s) known to the State of California to cause cancer as unintended impurities resulting from other entities manufacturing or processing operations which Syngenta cannot control.

CERCLA/SARA 304 Reportable Quantity (RQ)
None

RCRA Hazardous Waste Classification (40 CFR 261)
Not Applicable

TSCA Status
Exempt from TSCA, subject to FIFRA

16. OTHER INFORMATION

<table>
<thead>
<tr>
<th>NFPA Hazard Ratings</th>
<th>Health: 1</th>
<th>Flammability: 1</th>
<th>Instability: 0</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Health:</td>
<td>Flammability:</td>
<td>Reactivity:</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>1</td>
<td>0</td>
</tr>
</tbody>
</table>

HMIS Hazard Ratings

0 Minimal
1 Slight
2 Moderate
3 Serious
4 Extreme

For non-emergency questions about this product call:
1-800-334-9481

Original Issued Date: 3/10/2003
Revision Date: 4/18/2012
Replaces: 7/25/2011

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein.

End of MSDS