



## Safety Data Sheet

Report Date 18-Mar-22

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### 1. Identification

**Product Name** : TYCOON  
**Synonyms** : None  
**Product Use** : Azoxystrobin+Difenoconazole Fungicide  
**Manufacturer/Supplier** : Helena Agri-Enterprises, LLC  
**Address** : 225 Schilling Blvd. Collierville, TN 38017  
**General Information** : 901-761-0050  
**Transportation Emergency Number** : CHEMTREC:800-424-9300

### 2. Hazard Identification



**Signal Word** : Warning  
**Skin Irritation** : Not classified as hazardous under 29 CFR 1910.1200 (2012)  
**Eye Irritation** : Not classified as hazardous under 29 CFR 1910.1200 (2012)  
**Acute Toxicity Oral** : LD50 > 2,000 mg/kg (female rat)  
**Acute Toxicity Dermal** : LD50 > 2,000 mg/kg (rat)

**Hazard Categories** : Inhalation Toxicity-4; Skin Sensitization-1B

**Hazard Statement** : Harmful if inhaled  
May cause an allergic skin reaction

### 3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Azoxystrobin	131860-33-8	22.13
Difenoconazole	119446-68-3	13.87
Other ingredients, including:		64.00
1,2-Propanediol	57-55-6	Trade Secret

### 4. First Aid Measures

**Eye** : Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**Skin** : Remove contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.

**Inhalation** : Move person to fresh air. If 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.

**Ingestion** : Call 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 by a poison control center or doctor. Do not give anything by mouth if unconscious.

**Indication of Immediate Medical Attention and Special Treatment Needed** : May cause an allergic skin reaction. There is no specific antidote if 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



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- Extinguishing Media** : Use dry chemical, foam or carbon dioxide extinguishing media. If water is used to fight fire, dike and collect runoff.
- Specific Hazards Arising from the Chemical** : During a fire, irritating and possibly toxic gases may be generated by thermal decomposition or combustion.
- Special Fire Fight Proc** : Wear self-contained breathing apparatus and full protective clothing. Evacuate nonessential personnel from the area to prevent human exposure to fire, smoke, fumes or products of combustion.

### 6. Accidental Release Measures

- Personal Precautions** : Keep unprotected and unnecessary personnel out of spill area.
- Protective Equipment** : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. In case of emergency spills, use a NIOSH-approved respiratory with any N, R, P or HE filter. Eyewash and emergency shower should be available in work area.
- Emergency Procedures** : Control the spill at its source. Contain the spill to prevent spreading or contaminating soil or from entering sewers, drainage systems or any body of water. Clean up spills immediately.
- Methods and Materials for Containment and Cleanup** : Cover entire spill with absorbent material, collect and place into 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 disposal.

### 7. Handling and Storage

- Precautions for Safe Handling** : 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** : Store in a locked area.

### 8. Exposure Controls / Personal Protection

- TLV/PEL** : No TLV or PEL established for any of the product's ingredients.
- Appropriate Engineering Controls** : Use effective engineering controls to comply with occupational exposure limits (if applicable).
- Personal Protective Equipment** : Splashproof goggles or face shield, impervious gloves, impervious apron and footwear. Respiratory protection not normally needed. Eyewash and emergency shower should be available in work area.

### 9. Physical and Chemical Properties

- Odor/Appearance** : Light yellow to yellow liquid; weak odor.
- Flash Point, °F** : >212 Degrees F.
- Boiling Point, °F** : Not available
- Melting Point(Freezing point), °C** : Not available
- Vapor Pressure, mm Hg @ 20 °C** : Not determined for mixture
- Vapor Density** : Not available
- Solubility in Water** : Not determined for mixture
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 1.08-1.12



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Evaporation Rate(Butyl Acetate = 1) : Not available  
Octanol/Water Partition Coefficient : Not available  
pH : 5 to 9 (1% wt/vol)  
Flammable Limits (approximate volume % in air) : Not available  
Auto-ignition Temperature : 941 Degrees F.  
Decomposition temperature : Not available

### 10. Stability and Reactivity

Reactivity : Not reactive.  
Chemical Stability : Stable  
Hazardous Decomposition Products : None known.  
Hazardous Polymerization : Will not occur  
Conditions to Avoid : None known.  
Incompatible Materials : None known.

### 11. Toxicological Information

Acute Toxicity (Oral LD50) : >2,000 mg/kg (female rat). Not classified as hazardous under 29 CFR 1910.1200 (2012).  
Acute Toxicity (Dermal LD50) : >2,000 mg/kg (rat). Not classified as hazardous under 29 CFR 1910.1200 (2012).  
Acute Toxicity Inhalation LC50 : 2.06-5.17 mg/L/4 hour (rat). Harmful if inhaled.  
Likely Routes of Exposure : Dermal, inhalation  
Skin Irritation : Not classified as hazardous under 29 CFR 1910.1200 (2012). Slightly irritating.  
Eye Irritation : Not classified as hazardous under 29 CFR 1910.1200 (2012). Mildly irritating.  
Skin Sensitization : May cause an allergic skin reaction. A skin sensitizer in animal tests (Guinea pig).  
Carcinogenic : Not listed by IARC, NTP or OSHA.  
Chronic Effects : Difenconazole: Kidney and liver effects at high doses (>5,000 ppm, rats). Eye effects in dogs at high dose levels. Propylene Glycol: Reported to cause central nervous system depression, headache, nausea.  
Other Hazards : CA PROPOSITION 65 WARNINGS: No listed ingredients appear on the CA PROPOSITION 65 WARNINGS listing.

### 12. Ecological Information

Ecotoxicity : Azoxystrobin/Difenconazole: Fish (Rainbow Trout) 96-hour LC50=470 ppb/1.1 mg/L; Green Algae 5-day EC50=106 ppb/EbC50=0.032 mg/L; Invertebrate (Water Flea) 48-hour EC50=259 ppb/0.77 mg/L; Bird (Mallard Duck) 14-day LD50>250 mg/kg.  
Persistence and Degradability : Azoxystrobin: Not persistent in soil. Stable in water. Difenconazole: Stable in soil and water.  
Bioaccumulative Potential : Azoxystrobin: Low bioaccumulation potential. Difenconazole: no information available.  
Mobility in Soil : Azoxystrobin: Moderate mobility in soil. Sinks in water after 24 hours. Difenconazole: Low to moderate mobility in soil. Sink in water (after 24 hours).  
Other Adverse Effects : No information available.



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### 13. Disposal Considerations

**Waste Disposal Method** : This material must be disposed of according to Federal, State or Local procedures under the Resource Conservation and Recovery Act.

### 14. Transport Information

**UN Proper Shipping Name** : Not regulated by DOT for ground transportation. Regulated if shipped by air (IATA) or water (IMDG).  
**Transport Hazard Class** : None  
**UN Identification Number** : None  
**Packaging Group** : None  
**Environmental Hazards** : Not listed as a Marine Pollutant on Appendix B to 49 CFR Part 172.101.  
**Transport in Bulk** : Not regulated by DOT.  
**Special Precautions for Transportation** : If shipped by air (IATA) or water (IMDG), ship as: UN3082, Environmentally Hazardous Substance, Liquid, n.o.s., (Azoxystrobin, Difenoconazole), 9, PG III, Marine Pollutant  
**Freight Classification** : Pesticides, NOI, Fungicides, Other than Poison (NMFC Item 155050, Sub 11, Class 70)

### 15. Regulatory Information

**National Fire Protection Association Rating**

Health: 2      Fire: 1      Reactivity: 0  
Rating Level: (4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum)

**S.A.R.A Title III Hazard Classification (Yes/No)**

Immediate( Acute) Health: Y  
Delayed (Chronic) Health: Y  
Sudden Release of : N  
Pressure: N  
Fire: N  
Reactive: N

**FIFRA Information** : This Chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labelling 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:

**EPA Registration Number** : 5905-651

**FIFRA Signal Word** : Caution

**FIFRA Label Statement** : Keep out of reach of children.

**FIFRA Label Statement** : Harmful if swallowed.

**FIFRA Label Statement** : Causes moderate eye irritation.

**FIFRA Label Statement** : Wash thoroughly with soap and water after handling and before

**FIFRA Label Statement** : eating, drinking, chewing gum, using tobacco, or using the toilet.

**FIFRA Label Statement** : Avoid contact with eyes or clothing.

**FIFRA Label Statement** : Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

### 16. Other Information

**Data of Preparation/Revision** : 18-March-2022