



Safety Data Sheet

Report Date 16-Sep-20

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1. Identification

Product Name : ODYSSEY
Synonyms : None
Product Use : Potassium Phosphite, Tebuconazole, Azoxystrobin
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 > 5,000 mg/kg (rat)
Acute Toxicity Dermal : LD50 > 5,050 mg/kg (rabbit)
Hazard Categories : Reproductive Toxicity-2
Hazard Statement : Suspected of damaging fertility or the unborn child

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Potassium phosphite	13977-65-6 and 13492-26-7	42.45
Tebuconazole	107534-96-3	2.90
Azoxystrobin	131860-33-8	2.61
Inert ingredients	Proprietary	52.04

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 the first 5 minutes, then continue rinsing.
Call a poison control center or doctor for further 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 further treatment advice.



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Inhalation : Move to fresh air. If not breathing, call 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. Have person sip a glass of water if able to swallow. 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 : There is no specific antidote. Treat symptomatically.

5. Fire Fighting Measures

Extinguishing Media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide extinguishing agents.

Specific Hazards Arising from the Chemical : Phosphorous oxides, carbon oxides, nitrogen oxides, and hydrogen chloride gas.

Special Fire Fight Proc : Wear self-contained breathing apparatus and full protective clothing.

6. Accidental Release Measures

Personal Precautions : Avoid breathing mist or vapors. Ensure adequate ventilation.

Protective Equipment : Splashproof goggles or face shield, chemical-resistant gloves, long-sleeved shirt, long pants, shoes plus socks. Use NIOSH-approved air-purifying respirator when needed. Eyewash and emergency shower should be available in work area.

Emergency Procedures : Prevent further leakage or spillage if safe to do so. Do not let the product enter drains. Do not allow discharge effluent with this product to enter lakes, streams, ponds or other waters.

Methods and Materials for Containment and Cleanup : Cover spilled product with absorbent, collect and place in suitable containers for disposal.

7. Handling and Storage

Precautions for Safe Handling : Wear suitable protective clothing. Do not eat, drink or smoke while handling the product. When opening packaging, do it in a way to avoid leaks and formation of dusts or aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for Safe Storage : Store in a cool, dry place and in such a manner as to prevent cross contamination with food, drink and animal feed. Keep separate from oxidizing materials like sodium hypochlorite. Store in original container and out of reach of children, preferably in a locked storage area. Keep container tightly closed and in a well-ventilated place.

8. Exposure Controls / Personal Protection



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TLV/PEL : No TLV or PEL established for mixture or components.

Appropriate Engineering Controls : Use general and local exhaust ventilation.

Personal Protective Equipment : Splashproof goggles or face shield, chemical-resistant gloves, long-sleeved shirt, long pants, shoes plus socks. Use NIOSH-approved air-purifying respirator when needed. Eyewash and emergency shower should be available in work area.

9. Physical and Chemical Properties

Odor/Appearance : Light brown liquid with typical odor.

Flash Point, °F : Not available

Boiling Point, °F : Not available

Melting Point(Freezing point), °C : Not available

Vapor Pressure, mm Hg @ 20 °C : Not available

Vapor Density : Not available

Solubility in Water : Suspension

Molecular Formula : Not applicable, formulated mixture.

Density, g/mL @ 25 °C : 1.37-1.39 (SG 1.4616)

Evaporation Rate(Butyl Acetate = 1) : Not available

Octanol/Water Partition Coefficient : 3.76 (tebuconazole technical)

pH : 3.5 to 4.5

Flammable Limits (approximate volume % in air) : Not available

Auto-ignition Temperature : Not applicable

Decomposition temperature : Not available

10. Stability and Reactivity

Reactivity : Not available

Chemical Stability : Stable

Hazardous Decomposition Products : Not available

Hazardous Polymerization : Will not occur

Conditions to Avoid : Not available

Incompatible Materials : Oxidizing materials, such as sodium hypochlorite.

11. Toxicological Information

Acute Toxicity (Oral LD50) : >5,000 mg/kg (rat). Not classified as hazardous under 29 CFR 1910.1200 (2012).

Acute Toxicity (Dermal LD50) : >5,050 mg/kg (rabbit). Not classified as hazardous under 29 CFR 1910.1200 (2012).



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Acute Toxicity Inhalation LC50 : >2.07 mg/L (rat). Not classified as hazardous under 29 CFR 1910.1200 (2012).
Likely Routes of Exposure : Skin and eyes
Skin Irritation : Not an irritant. Not classified as hazardous under 29 CFR 1910.1200 (2012).
Eye Irritation : May be slightly irritating. Not classified as hazardous under 29 CFR 1910.1200 (2012).
Skin Sensitization : Not a skin sensitizer.
Carcinogenic : Not listed by NTP, OSHA or IARC.
Chronic Effects : Reproductive Toxicity: Suspected of damaging fertility or the unborn child (tebuconazole technical grade).
Other Hazards : CA PROPOSITION 65 WARNING: No listed ingredients appear on the CA PROPOSITION 65 WARNINGS listing.

12. Ecological Information

Ecotoxicity : Under GHS, classified as Category 3 for Aquatic Toxicity, Chronic. Harmful to aquatic life with long lasting effects. Not classified under OSHA 29 CFR 1010.1200, HCS (2012) purposes.
Persistence and Degradability : The photolysis/metabolism half-life of tebuconazole is 2 to 3 months in natural water.
Bioaccumulative Potential : Bioconcentration Factor (BCF): 78
Mobility in Soil : Strongly bound in soil and has low mobility.
Other Adverse Effects : Not available

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 for ground transportation by DOT.
Transport Hazard Class : None
UN Identification Number : None
Packaging Group : None
Environmental Hazards : If shipped by air (IATA) or water (IMDG), ship as: UN3082, Environmentally Hazardous Substance, Liquid, n.o.s., (Tebuconazole), 9, PG III, Marine Pollutant
Transport in Bulk : Not regulated for ground transportation by DOT.
Special Precautions for Transportation : Not regulated for ground transportation by DOT.
Freight Classification : Pesticides, NOI, Fungicides, Other than Poison (NMFC Item 155050, Sub 11, Class 70)

15. Regulatory Information



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National Fire Protection Association Rating

Health: 1 Fire: 0 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: N
Delayed (Chronic) Health: Y
Sudden Release of N
Pressure:
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 : 42519-40-5905

FIFRA Signal Word : Caution

FIFRA Label Statement : Keep out of reach of children.

FIFRA Label Statement : Harmful if swallowed or if absorbed through skin.

FIFRA Label Statement : Causes moderate eye irritation.

FIFRA Label Statement : Avoid contact with skin, eyes or clothing.

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

FIFRA Label Statement : before eating, drinking, chewing gum, or using tobacco.

FIFRA Label Statement : No additional label statements.

16. Other Information

Data of Preparation/Revision : 16-September-2020