



Safety Data Sheet

Report Date 25-Apr-16

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1. Identification

Product Name : VIATHON (EPA REG NO 42519-35-5905)
Synonyms : None
Product Use : Systemic Fungicide
Manufacturer/Supplier : Helena Chemical Company
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; Aquatic Toxicity Acute/Chronic-3/3
Hazard Statement : Suspected of damaging fertility or the unborn child
Harmful to aquatic life
Harmful to aquatic life with long lasting effects

3. Composition / Information on Ingredients

Component	CAS Number	Weight %
Potassium Phosphite	13977-65-6 AND 13492-26-7	49.0
Tebuconazole	107534-96-3	3.3
Other ingredients	Proprietary	47.7

4. First Aid Measures

Eye : Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for further treatment advice.
Skin : Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.



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- Inhalation** : 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 a poison control center or doctor for further treatment advice.
- Ingestion** : Call a poison control center or doctor immediately for treatment advice. Rinse mouth with water. Do not induce vomiting. Do not give anything by mouth if unconscious.
- Indication of Immediate Medical Attention and Special Treatment Needed** : In the event of an adverse response, treatment should be directed toward control of the symptoms.

5. Fire Fighting Measures

- Extinguishing Media** : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
- Specific Hazards Arising from the Chemical** : Phosphorus 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** : Keep unprotected and unnecessary personnel out of spill area. Avoid breathing mist/vapors. Ensure adequate ventilation.
- Protective Equipment** : Splashproof goggles or face shield, chemical-resistant gloves, impervious apron and footwear. Respiratory protection not normally 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 product enter into drains. Do not discharge into lakes, streams, ponds, drains, or other waters.
- Methods and Materials for Containment and Cleanup** : Contain spilled product with an inert absorbent material. Vacuum up as much liquid as possible. Place reclaimed product in a closed and properly labeled waste drum. Store drum in separate area until proper disposal. Flush residue with water, collect and place in containers with material for disposal.

7. Handling and Storage

- Precautions for Safe Handling** : Wear suitable protective clothing. Do not eat, drink or smoke during product handling. When opening a package, do it in a way to avoid leaks and formation of dust and aerosols.
- 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. 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 area.

8. Exposure Controls / Personal Protection

TLV/PEL : No information found



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- Appropriate Engineering Controls** : Use general and local exhaust ventilation.
- Personal Protective Equipment** : Splashproof goggles or face shield, chemical-resistant 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** : Brown liquid; no odor to a very faint sweet odor.
- Flash Point, °F** : Not available
- Boiling Point, °F** : No information found
- Melting Point(Freezing point), °C** : No information found
- Vapor Pressure, mm Hg @ 20 °C** : No information found
- Vapor Density** : No information found
- Solubility in Water** : Dispersible
- Molecular Formula** : Not applicable, formulated mixture.
- Density, g/mL @ 25 °C** : 1.41-1.47
- Evaporation Rate(Butyl Acetate = 1)** : No information found
- Octanol/Water Partition Coefficient** : 3.76 (20 Degrees C.)
- pH** : 3.8 to 5.27 (25 Degrees C.)
- Flammable Limits (approximate volume % in air)** : No information found
- Auto-ignition Temperature** : Not applicable
- Decomposition temperature** : No information found

10. Stability and Reactivity

- Reactivity** : No information found
- Chemical Stability** : Stable
- Hazardous Decomposition Products** : Not available
- Hazardous Polymerization** : Will not occur
- Conditions to Avoid** : No information found
- Incompatible Materials** : This product is incompatible with oxidizing materials like 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).
- Acute Toxicity Inhalation LC50** : >5.4 mg/L/4 hour (rat). Not classified as hazardous under 29 CFR 1910.1200 (2012).



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- Likely Routes of Exposure** : Skin and eyes
- Skin Irritation** : Not classified as hazardous under 29 CFR 1910.1200 (2012).
- Eye Irritation** : Not classified as hazardous under 29 CFR 1910.1200 (2012).
- Skin Sensitization** : Not a contact sensitizer.
- Carcinogenic** : Not listed by IARC, NTP or OSHA.
- Chronic Effects** : Reproductive Toxicity: Suspected of damaging fertility or the unborn child.
(Tebuconazole technical grade)
- Other Hazards** : None currently known.

12. Ecological Information

- Ecotoxicity** : Aquatic Toxicity (Acute): Harmful to aquatic life. Aquatic Toxicity (Chronic): Harmful to aquatic life with long lasting effects.
- Persistence and Degradability** : The photolysis/metabolism half-life of tebuconazole is 2-3 months in natural water.
- Bioaccumulative Potential** : Bioconcentration Factor (BCF): 78
- Mobility in Soil** : It is strongly bound to soil and has low mobility.
- Other Adverse Effects** : No information found

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.
- Transport Hazard Class** : None
- UN Identification Number** : None
- Packaging Group** : None
- Environmental Hazards** : No information found
- Transport in Bulk** : No information found
- Special Precautions for Transportation** : No information found
- Freight Classification** : Pesticides, NOI, Fungicides, Other than Poison (NMFC Item 155050, Sub 11, Class 70)

15. Regulatory Information

- National Fire Protection Association Rating** :



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Health: 1 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: 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 : 42519-35-5905

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 before

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

FIFRA Label Statement : No additional label statements.

16. Other Information

Data of Preparation/Revision : 25-April-2016