

Report Date 17-Mar-15

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1. Identification

Product Name: TROUBADOUR 2F INSECTICIDE

Synonyms: None

Product Use : Methoxyfenozide Insecticide
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 (No symbol required)
Skin Irritation : Causes light skin irritation
Eye Irritation : Causes eye irritation
Acute Toxicity Oral : LD50 >5,000 mg/kg
Acute Toxicity Dermal : LD50 >2,000 mg/kg

Hazard Categories: Oral/Dermal/Inhalation Toxicity - 5/5/5; Eye Irritation - 2B; Skin Irritation -

3

Hazard Statement : May be harmful if swallowed

May be harmful in contact with skin

Causes eye irritation Causes mild skin irritation May be harmful if inhaled

3. Composition / Information on Ingredients

Component
MethoxyfenozideCAS Number
161050-58-4Weight %
22.6Blend of formulation aidsProprietary77.4

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 the

eyes. Call a poison control center or doctor for treatment advice.

Skin: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to minutes. Call a poison control center or doctor for treatment advice.
 Inhalation: Move to fresh air. If not breathing, call an ambulance or 911, then give artificial

respiration. Call a poison control center or doctor for treatment advice.

Ingestion: No emergency medical treatment necessary.

Indication of Immediate Medical : No specific antidote. Treatment of exposure should be directed at the control of

Attention and Special Treatment the symptoms and the clinical condition of the patient.

Needed

5. Fire Fighting Measures

Extinguishing Media: Not a combustible or flammable liquid. Use extinguishing media suitable for

underlying cause of fire.

Specific Hazards Arising from the : If exposed to fire from another source and water is evaporated, exposure to

Chemical high temperatures may cause toxic fumes.

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

water from fire fighting, if possible, to prevent environmental damage.



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6. Accidental Release Measures

Personal Precautions: Avoid breathing vapors. Keep unprotected and unnecessary personnel out of

spill area.

Protective Equipment : Use chemical-resistant gloves, safety glasses, shoes plus socks.

Emergency Procedures : Prevent spills from entering soil, ditches, sewers, waterways and/or

groundwater.

Methods and Materials for : Contain spilled material if possible. Absorb with clay, dirt, sand or other similar

Containment and Cleanup materials. Sweep up and place in suitable, properly labeled containers.

7. Handling and Storage

Precautions for Safe Handling: Keep out of reach of children. Do not handle material near food, feed or drinking

water. Avoid contact with skin and eyes.

Conditions for Safe Storage : Do not store near food, feed or drinking water. The minimum recommended

storage temperature is 32 Degrees F. The maximum storage temperature is 104 Degrees F. Store in a well-ventilated area. Keep container tightly closed when

not in use.

8. Exposure Controls / Personal Protection

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

Appropriate Engineering Controls: Provide general and/or local exhaust ventilation to control airborne levels below

the exposure guidelines.

Personal Protective Equipment : Use chemical-resistant gloves, safety glasses, shoes plus socks.

9. Physical and Chemical Properties

Odor/Appearance: Off white liquid with mild odor.

Flash Point, ⁰F : Not flammable

Boiling Point, ⁰F : No data available

Freezing point) ⁰C : No data available

Melting Point(Freezing point), °C : No data available Vapor Pressure, mm Hg @ 20 °C : No data available

Vapor Density : No data available Solubility in Water : Not applicable

Molecular Formula: Not applicable, formulated mixture.

Density, g/mL @ 25 °C : 1.066

Evaporation Rate(Butyl Acetate = : No data available

1)

Octanol/Water Partition : No information found

Coefficient

pH: 6-7

Flammable Limits (approximate : No data available

volume % in air)

Auto-ignition Temperature : No data available

Decomposition temperature : No information found

10. Stability and Reactivity

Reactivity: No information found

Chemical Stability: Stable



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Hazardous Decomposition : Smoke may contain unidentified toxic and/or irritating compounds. May emit

Products nitrogen oxides, carbon monoxide and carbon dioxide.

Hazardous Polymerization: Will not occur

Conditions to Avoid: Avoid contact with strong oxidizing agents.

Incompatible Materials: None currently known.

11. Toxicological Information

Acute Toxicity (Oral LD50) : >5,000 mg/kg Acute Toxicity (Dermal LD50) : >2,000 mg/kg

Acute Toxicity Inhalation LC50 : >0.9 mg/L/4 hours (for aerosol). Mist may cause irritation of the upper

respiratory tract.

Likely Routes of Exposure : Skin and eyes

Skin Irritation: Brief contact is essentially non-irritating to the skin.

Eye Irritation: Essentially non-irritating to the eyes.

Skin Sensitization: No information found

Carcinogenic: Not listed by IARC, NTP or OSHA.

Chronic Effects: Repeated exposures to the active ingredient may cause methemoglobinemia,

thereby impairing the blood's ability to transport oxygen.

Other Hazards: In animals, effects have been reported on the following organs: blood, kidney,

liver, thyroid.

12. Ecological Information

Ecotoxicity: No relevant information found

Persistence and Degradability: No relevant information found Bioaccumulative Potential: No relevant information found

Mobility in Soil: No relevant information found Other Adverse Effects: No relevant information found

13. Disposal Considerations

: This material must be disposed of according to Federal, State or Local **Waste Disposal Method**

procedures under the Resource Conservation and Recovery Act.

14. Transport Information

UN Proper Shipping Name: Not regulated by DOT, IATA or IMDG.

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 : None required

Transportation

Freight Classification: Pesticides, NOI, Insecticides, Other than Poison (NMFC Item 155050, Sub 11,

Class 70)

15. Regulatory Information

National Fire Protection : **Association Rating**



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Health: 0 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: 62719-442-5905

FIFRA Signal Word : Caution

FIFRA Label Statement : Keep out of reach of children.

FIFRA Label Statement : Harmful if absorbed through skin or inhaled. FIFRA Label Statement : Avoid contact with eyes, skin or clothing.

FIFRA Label Statement

16. Other Information

Data of Preparation/Revision: 17-March-2015