

Material Safety Data Sheet



Transportation and Medical Emergency Phone: **1-800-535-5053 (INFOTRAC)**

General Phone: 317-580-8282

EPA Reg. No.: 71711-31-67690

Creation Date: 09/09/2010

Hachi-Hachi® Insecticide

SePRO Corporation 11550 North Meridian Street

Suite 600, Carmel, IN 46032-4562

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT: Hachi-Hachi Insecticide

COMPANY IDENTIFICATION:

SePRO Corporation

11550 North Meridian Street, Suite 600

Carmel, IN 46032

www.sepro.com

Information Phone: 317-580-8282 (Monday - Friday, 8:00 am to 5:00 pm EST)

2. HAZARDOUS IDENTIFICATIONS

EMERGENCY OVERVIEW - WARNING

- May be fatal if swallowed
- Harmful if absorbed through skin
- Causes severe eye irritation

ROUTES OF EXPOSURE

- Dermal

POTENTIAL HEALTH EFFECTS

- **Eye contact:** Causes severe eye irritation
- **Dermal:** Harmful if absorbed through skin
- **Ingestion:** May be fatal if swallowed
- **Inhalation:** Inhalation of high concentrations of this product causes signs of respiratory and secretory irritation.

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

Skin Contact: 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.

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 the poison control center or doctor. Do not give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

Flammable Properties: Does not flash.

Auto Ignition Temperature: Not combustible.

Extinguishing Media: Water, foam, dry powder, or carbon dioxide.

Firefighting Equipment and Procedures: Firefighters should wear positive pressure, self-contained breathing apparatus. Avoid permitting extinguishing media, such as water, foam, and dry chemicals, flow into ponds, rivers, and lakes.

Hazardous Decomposition Products: Carbon dioxide, carbon monoxide, nitrogen oxides, and sulfur dioxide.

6. ACCIDENTAL RELEASE MEASURES

General and Disposal: Use proper protective equipment to minimize personal exposure (see Section 8). Take all necessary action to prevent and to remedy the effects of the spill. Ensure that the disposal is in compliance with federal or local disposal regulations (see Section 13). Notify the appropriate authorities immediately (see Section 15 for any applicable Reportable Quantity (RQ)). Report to authorities if water enters watercourse or sewer.

Land Spill or Leak: Do not breathe the liquid. Use a suitable dust respirator. Avoid contact with skin and eyes. Carefully sweep up the spilled product, avoiding formation of a dust cloud, and place it in a suitable container. Seal the container. The area can be washed with water to remove the last traces of the product, but keep out of watercourses or sewers. Inform authorities immediately if contamination occurs.

Report large spills to **INFOTRAC** and consult SePRO Corporation for assistance.

3. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Component Name</u>	<u>% by Wt.</u>
Tolfenpyrad (CAS# 129558-76-5)	15.0%

Chemical Name (IUPAC): (4-chloro-3-ethyl-1-methyl-N-[4-(*p*-tolxy)benzyl]pyrazole-5-carboxamide

Chemical Formula: C₂₁H₂₂ClN₃O₂

Components not precisely identified are proprietary or not hazardous.

4. FIRST AID MEASURES

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.

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7. HANDLING AND STORAGE

Precautions to Be Taken In Handling and Storage.

Handling Precautions: Avoid contact with skin, eyes, or clothing. Do not eat, drink, smoke, or chew gum or tobacco while handling this product and until hands and face are thoroughly washed with soap and water. Do not use the toilet before thoroughly washing hands. Remove and wash contaminated clothing before reuse.

Storage Precautions: Store in original container and keep closed. Store in a cool, dry place. Do not expose contents to sunlight. Do not store contents at high temperature (>120°F).

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Engineering Controls: Control airborne contaminants below the exposure guidelines (see below for any applicable OSHA/ACGIH exposure limits). Use with adequate ventilation to minimize exposure. Local exhaust ventilation may be necessary, especially when the product is used in a confined area.

Pesticide Applicators and Workers must refer to the Product Label and Directions for Use attached to the product for agricultural use requirements and the measures below as appropriate.

Manufacturing and Packaging Personnel: Manufacturing and packaging personnel should use this product in well-ventilated areas. In accordance with recommended OSHA standards, they should wear:

- Impervious gloves (PVC or rubber), especially when prolonged or repeated contact is anticipated;
- Safety glasses or chemical goggles; and
- Approved dust respirators, especially when handling in a confined space.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Pale yellow liquid
Specific Gravity: 1.03
pH: 6.1

10. STABILITY AND REACTIVITY

Flash Point: 96°C
Flammable Point: None
Auto Ignition: None
Chemical Stability: This product is stable for at least 12 months of storage at ambient temperatures
Incompatibility with Other Materials: Not known
Hazardous Decomposition Products: None
Hazardous Polymerization: None

11. TOXICOLOGICAL INFORMATION

The following data were developed with formulated product:

Oral LD₅₀ (Rat) = 102 mg/kg (male); 83 mg/kg (female)
Dermal LD₅₀ (Rat) = >2,000 mg/kg
Inhalation LC₅₀ (Rat) = 542 mg/m³ (0.542 mg/L)
Eye Irritation (Rabbit) = Severe eye irritation with complete clearing by day 16
Skin Irritation (Rabbit) = Severe and reversible
Skin Sensitization (Guinea Pig) = Not sensitizing

The following data were developed with technical material:

SUBCHRONIC (TARGET ORGAN EFFECTS)
4-week Inhalation Toxicity (Rats): No effect 10 mg/m³ (highest dose)

21-Day Dermal Toxicity (Rats): No effect 200 mg/kg (highest dose)

13-Week Subacute Oral Toxicity (Rats): No effect 1.0 mg/kg/day: low body weight and high liver and kidney weights were observed as were some hematological and blood chemistry parameters. These effects dissipated after withdrawal of treatment.

13-Week Dietary Toxicity (Mice): No effect 46.2 mg/kg: effects observed were decreases in food consumption.

13-week Subacute Oral toxicity (Beagle Dogs): No effect 10 mg/kg: effects observed were limited to emesis and abnormal feces.

CHRONIC (TARGET ORGAN EFFECTS)
2-Year Chronic Oral Toxicity/Carcinogenicity (Rats): NOAEL = 0.6 mg/kg/day. Low body weight and high liver and kidney weights were observed.

78-Week Dietary Oncogenicity (Mice): NOAEL 2.2 mg/kg/day. Effects observed were decreases in body weight and a decrease in spleen weight.

One-Year Chronic Oral Toxicity (Beagle Dogs): NOEL 5 mg/kg: Effects observed were emesis and an elevation of GTP (blood enzyme).

CHRONIC CANCER INFORMATION

Tolfenpyrad technical is not a carcinogen.

Teratogenic Effects (Birth Defects): Tolfenpyrad is not a teratogen.

Reproductive Effects: Tolfenpyrad technical is not a reproductive toxin.

Mutagenicity (Genetic Effects): Tolfenpyrad technical is not a mutagen.

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12. ECOLOGICAL INFORMATION

Do not discharge effluent containing this product directly into lakes, streams, ponds, estuaries, oceans or public waters unless this product is specifically identified and addressed in a NPDES permit. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the Environmental Protection Agency. Do not contaminate water when disposing of equipment washwaters.

Tolfenpyrad technical is highly toxic to aquatic organisms and moderately toxic to birds.

13. DISPOSAL CONSIDERATIONS

General Disposal Guidance: Any disposal practice must be in compliance with all Federal, State, and local laws and regulations. State and local requirements for waste disposal may be more restrictive or otherwise different than federal laws and regulations. Chemical additions, processing, storage, or otherwise altering this material may make the waste disposal information presented in this MSDS incomplete, inaccurate or otherwise inappropriate. Waste characterization and disposal compliance are the responsibility solely of the party generating the waste or deciding to discard or dispose of the material.

Excess pesticide and rinsate should be disposed of according to label instructions and/or local regulations. Dispose of the used container according to local regulations.

Do not contaminate water, food or feed by storage or disposal. Wastes resulting from the use of this product may be disposed of on site or at approved disposal facilities.

RCRA Information: No RCRA hazardous waste ingredients.

14. TRANSPORT INFORMATION

DEPARTMENT OF TRANSPORTATION (DOT)

ID Number: UN 2902

Proper Shipping Name: Pesticides, liquid, toxic, n.o.s
(tolfenpyrad)

Hazard Class: 6.1

Packaging Group: III

15. REGULATORY INFORMATION

U.S. FEDERAL REGULATORY INFORMATION

TSCA Inventory: Exempt from TSCA.

SARA TITLE III NOTIFICATION AND INFORMATION

Section 302 (EHS) Ingredients: None

Section 304 (CERCLA & EHS): (RQ): calcium dodecylbenzenesulfonate) (1000)

Section 313 Ingredients: N-methyl-2-pyrrolidone

Section 311/312 Notifications and Information: Acute Health Hazard: No

Chronic Health Hazard: Yes for pyrrolidone

Fire Hazard: No

Sudden Release of Pressure Hazard: No

Reactivity Hazard: No

U.S. STATE REGULATORY INFORMATION

U.S. State Right-to-Know (RTK) Ingredients:

N-methyl-2-pyrrolidone

California Proposition 65: This product contains pyrrolidone, known to the State of California to cause development toxicity in laboratory animals.

CANADIAN REGULATORY INFORMATION

CPC Number: None

The MSDS contains all CPR required hazard-related information.

Users should ensure that they comply with any relevant local, state or national legislation.

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16. OTHER INFORMATION

HMIS HAZARD RATING

Health: 3

FIRE: 1

Phys. Haz.: 0

Reactivity: 0

NFPA HAZARD RATING

Health: 3

Fire: 1

Reactivity: 0

Spec. Haz.: 0

MSDS Status: Creation Date – 09/09/2010
(NA090810)

The information in this Material Safety Data Sheet relates to this specific material. It may not be valid for this material if used in combination with any other materials or in any process. It is the users' responsibility to satisfy themselves as to the suitability and completeness of this information for their own particular use.

The Information Herein Is Given In Good Faith, But No Warranty, Express or Implied, Is Made. Consult SePRO Corporation for Further Information.