



Safety Data Sheet

SDS No.:
SDS-IM/FG-H/01

Hachi Hachi

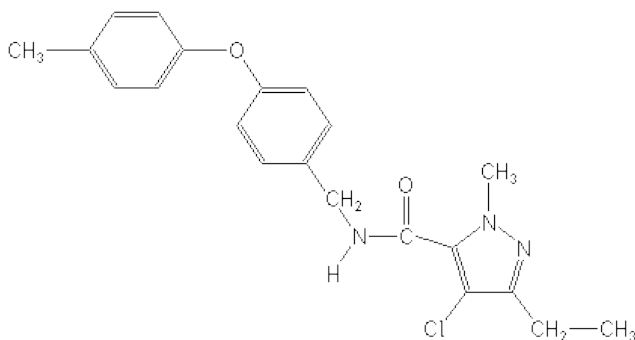
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Section 1: Identification of the Hazardous Chemical and of the Supplier

1.1 Product Identifier

Product Name: Tolfenpyrad 15SC
Trade Name: Hachi Hachi
Active Ingredient: 4-chloro-3-ethyl-1-methyl-*N*-[4-(*p*-tolylloxy)benzyl]pyrazole-5-carboxamide
CAS No.(AI): 129558-76-5
Structural Formula:



Recommended Usage: Insecticide

1.2 Supplier's Information

Address: Agricultural Chemicals (M) Sdn. Bhd.
962, Lorong Perusahaan 8
Taman Perindustrian Perai
13600 Perai, Pulau Pinang
Malaysia
Tel.: +6-04-3907988
Fax: +6-04-3905703
Web: www.agrichem.com.my
Emergency Phone: +6-04-3907988

Section 2: Hazard Identification

Classification: Acute Oral Toxicity Cat. 3
Hazardous to the Aquatic Environment – Acute Hazard, Cat. 1
Hazardous to the Aquatic Environment – Chronic Hazard, Cat. 1

Pictogram:



Signal Word: Danger



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Hazard Statement:

H301: Toxic if swallowed
H400: Very toxic to aquatic life
H410: Very toxic to aquatic life with long lasting effects

Precautionary Statement:

P264: Wash hands and exposed body parts thoroughly after handling
P270: Do not eat, drink and smoke when using this product
P273: Avoid release to the environment
P301+310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P405: Store locked up
P501: Dispose of contents/containers to authorised treatment company

Section 3: Composition and Information of the Ingredients of the Hazardous Chemical

Component	CAS No.	Weight, %	Hazard Code
Tolfenpyrad	129558-76-5	15%	No data
Propylene Glycol	57-55-6	10%	No data
Water, surfactant	-	75%	No data

Section 4: First-aid Measures

Call a POISON CENTER or doctor/physician if you feel unwell.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

Skin Contact: Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Ingestion: Do NOT induce vomiting if the person is unconscious. If conscious, rinse mouth and induce vomiting after 1 or 2 glasses of water. Call a POISON CENTER or doctor/ physician.

Symptoms: No data

Notes to Physician: No data



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Section 5: Fire-fighting Measures

- Suitable Extinguishing Media:** Carbon dioxide (CO₂), chemical foam, dry chemical, aqueous film forming foam, water spray. Avoid extinguishing from entering waterways.
- Specific Hazard During Fire:** Combustion and thermal decomposition may evolve NO_x, CO_x etc
- Special Protective Equipment:** Fire fighters should wear full-faced self-contained breathing apparatus and protective clothing

Section 6: Accidental Release Measures

- Personal Precautions:** Do not handle until all safety precautions have been read and understood. Wear appropriate protective equipment as required
- Environmental Precautions:** Avoid release to the environment
- Method for Cleaning Up:** Wear protective clothing as indicated in Section 8. Evacuate non essential personnel. Adsorb the spill with inert material such as clay or earth, and collect into waste container for disposal. Wash the contaminated area with a little water and detergent. Adsorb with inert material and collect into the same container for disposal. Prevent the spillage from entering local drainage system.

Section 7: Handling and Storage

- Precautions for Safe Handling:** Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wash thoroughly after handling. Avoid release to the environment.
- Conditions for Safe Storage:** Avoid direct sunlight. Keep in original container, tightly closed, out of reach of children. Keep away from food, drinks and animal feeding stuffs. Read the label before use. Do not contaminate water.
- Incompatibles:** Not known.

Section 8: Exposure Control and Personal Protection

- Exposure Limit:** Not established.
- Engineering Control:** Local exhaust ventilation, make available emergency shower and eyewash.
- Individual Protection Measure:** Avoid inhalation. Wash thoroughly after handling and before eating or drinking. Contaminated work clothing should not be washed before reuse. Avoid contact with skin and eyes.



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Personal Protective Equipment:

Eye Protection: Protective goggles
Skin Protection: PVC gloves and long sleeved clothing
Respiratory Protection: Pesticide respiratory masks, avoid breathing mist or vapour.

Section 9: Physical and Chemical Properties

Appearance: Whitish suspension
Odour: Characteristic odour
Odour Threshold: No data available
pH: 8 – 10 @ 20°C
Melting/Freezing Point: No data available
Initial Boiling Point: No data available
Boiling Range: No data available
Flash Point: No data available
Evaporation Rate: No data available
Flammability: No data available
Upper Flammability Limit: No data available
Lower Flammability Limit: No data available
Vapour Pressure: No data available
Vapour Density: No data available
Relative Density: 1.02 – 1.06
Solubility in Water: Dispersible in water
Partition Coefficient $P_{o/w}$: No data available
Auto-ignition Temperature: No data available
Decomposition Temperature: No data available
Viscosity: No data available

Section 10: Stability and Reactivity

Reactivity: No data
Chemical Stability: Stable for 2 years under normal storage condition
Hazardous Reaction: Not known
Condition to Avoid: Direct sunlight, heat and extreme temperature
Incompatible Material: Not known
Hazardous Decomposition Product: No data

Section 11: Toxicological Information

11.1 Acute Toxicity

Ingestion, Oral LD ₅₀ :			
	Rat, male	360mg/kg	
	Rat, female	153mg/kg	



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Skin Contact, Dermal LD ₅₀ :		
Rat	>2000mg/kg	

11.2 Chronic Effect from Short and Long Term Exposure

Skin Contact:	No skin irritation
Eye Contact:	No eye irritation
Sensitisation:	Guinea Pig Negative
Inhalation:	No data available
Ingestion:	No data available
Carcinogenicity:	No data available
Mutagenicity:	No data available
Teratogenicity:	No data available

11.3 Symptoms No data available

Section 12: Ecological Information

Ecotoxicity:

Acute Aquatic Toxicity			
	Carp, LC ₅₀ , 96 hr	0.019mg/L	
	<i>Daphnia magna</i> , EC ₅₀ , 48 hr	0.0053mg/L	
	Algae: <i>Selenastrum capricornutum</i> , EbC ₅₀ , 0-72 hr	5.01mg/L	
	Algae: <i>Selenastrum capricornutum</i> , ErC ₅₀ , 24 - 48 hr	10.0mg/L	

Persistence and Degradability:	No data available
Bioaccumulative Potential:	No data available
Mobility in Soil:	No data available
Other Adverse Effect:	No data available

Section 13: Disposal Information

Dispose of contents/container to Kualiti Alam / authorized body by DOE (pesticides).
Do not re-use empty containers.

Section 14: Transportation Information

Land (ADR/RID)	
Proper Shipping Name	Pesticide, Liquid, Toxic, N.O.S.
Hazard Class	6.1
Hazchem Code	-
UN number	2902



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Packing Group	III
Label / Mark	6
Sea (IMDG)	
Proper Shipping Name	Pesticide, Liquid, Toxic, N.O.S.
Hazard Class	6.1
UN Number	2902
Packing Group	III
Marine Pollutant	-
Label	6
Transport Document Name	-
Air (IATA)	
Proper Shipping Name	Pesticide, Liquid, Toxic, N.O.S.
Hazard Class	6.1
UN number	2902
Packing Group	III
Label / Mark	6
Transport Document Name	-

Section 15: Regulatory Information

Classification: Acute Oral Toxicity Cat. 3
Hazardous to the Aquatic Environment – Acute Hazard, Category 1
Hazardous to the Aquatic Environment – Chronic Hazard, Category 1

Signal Word: Danger

Pictogram:



Pesticides Act: Class II
Classification: Poisonous

Section 16: Other Information

Date of Preparation: 15 February 2016
Date of Revision: -
Reference Document: ICOP on Chemicals Classification and Hazard Communication 2014
GHS Purple Book
MSDS

Disclaimer: To the best of our knowledge, the information contained herein is accurate. However, we cannot assume any liability whatsoever for the accuracy or completeness of the information contained herein.