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MATERIAL SAFETY DATA SHEET

1. PRODUCT IDENTIFICATION

Product name : Tegrol 3.6F
Common Name of the a.i. : Tebuconazole
Pesticide Class : Fungicide, triazole
EPA Registration : 42519-28

2. COMPOSITION / INFORMATION ON INGREDIENTS

ACTIVE INGREDIENT

Chemical Name : (RS)-1-p-chlorophenyl-4,4-dimethyl-3-(1H-1,2,4-triazol-1-ylmethyl)pentan-3-ol

Chemical Family : Triazole

Formula : C₁₆H₂₂ClN₃O

Molecular Weight : 307.8

Component	CAS Registry	Wt%
Tebuconazole	107534-96-3	39

3. PHYSICAL DATA

Appearance : Off-white thick opaque liquid
Odor : Faint odor
Density : 1.09 g/ml
Solubility in Water (% by Wt.) : 0.04 g/l, pH 7 20°C (Tech.)
pH : 6.5

4. FIRE AND EXPLOSION DATA

Flashpoint and Method : Not flammable
Extinguishing Media : Foam, water jet
Special Fire Fighting Procedures : Use self contained breathing apparatus, splash suit
Unusual Fire and Explosion Hazard : None

5. HEALTH HAZARD INFORMATION

Acute Toxicological Data:

Oral Toxicity(LD₅₀, rat) : 3129 mg/kg
Dermal Toxicity(LD₅₀, rat) : >5000 mg/kg
Inhalation Toxicity
(4-hour LC₅₀) : >2.08 mg/l
Eye Irritation : Slightly irritating to eyes
Skin Irritation : Slightly irritating to skin
Dermal Sensitization : Not a sensitizer

Emergency First Aid Procedures:

Inhalation : Remove to fresh air. If breathing is difficult get immediate medical attention. If person is not breathing, phone ambulance, then, if possible give artificial respiration, preferably mouth to mouth.

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 do so by a doctor or poison control enter. Do not give anything by mouth to an unconscious person.

Skin contact : Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Get medical advice if irritation develops or persists.

Eye contact : Hold eyes open and rinse slowly and gently with water for 15 minutes. Remove contact lenses, if present, after the first 5 minutes of rinsing. Get medical attention.

Notes to physician : There is no specific antidote. Treat symptomatically.

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6. REACTIVITY DATA**Stability:**

Stable under normal storage conditions.

Incompatibility:

Potassium permanganate.

Hazardous Decomposition Products:

Carbon monoxide, carbon dioxide, nitrogen oxide.

Hazardous Polymerization:

Will not occur.

7. SPILL OR LEAK PROCEDURE**Steps to be Taken if Material is Released or spilled:**

Stop leak if safe to do so, and contain spill. Absorb with sand, vermiculite or other suitable absorbent material. If absorbent material is not available try to create a dike to stop material spreading or going into drains. Sweep up and shovel and place in closed, properly labeled waste drums.

Flush residue with water.

Waste Disposal Method:

Dispose of in accordance with local regulations.

8. SPECIAL PROTECTION INFORMATION

Ventilation : Use general and local exhaust ventilation.

Respiratory Protection : Use government approved respirator.

Eye Protection : Chemical safety goggles.

Gloves : Compatible chemical resistant gloves.

9. SPECIAL PRECAUTIONS**Precautionary Labeling:**

Keep out of reach of children.

Storage and Disposal:

Store in the original container in a dry, cool, well ventilated area out of direct sunlight. Do not contaminate water, food or feed by disposal. Open dumping is prohibited. Wastes resulting from the use of this product must be disposed of in accordance with local, state, or federal regulations. Do not reuse empty container. Clean and empty containers should be disposed of in accordance with local regulations.

10. ADDITIONAL INFORMATION

Exposure Limits: Not established for Tebuconazole

Transportation classification: Not regulated for transportation

Environmental hazards:Birds

Acute Oral LD₅₀ (female Japanese quail) : 2912 mg/kg

Fish

LC₅₀ (96 hr) (Rainbow trout) : 6.4 mg/l

Bees

: Non toxic to bees

The information contained herein is applicable solely to the indicated product, and does not relate to any other use of this product as described. Its use is intended by persons having technical skill and at their own discretion and risk. The information has been developed from sources reliable. This information is furnished without warranty, expressed or implied, including the warranties of merchantability and fitness for a particular purpose is made with respect to the information contained herein.

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