

河北捷润科技有限公司

Hebei JRain Technology Co., Ltd.

Date: Mar.4th, 2025

Material Safety Data Sheet

1. PRODUCTION AND COMPANY IDENTIFICATION

Product Name : PENCONAZOLE 97%TC

Company : HEBEI JRAIN TECHNOLOGY CO.,LTD.

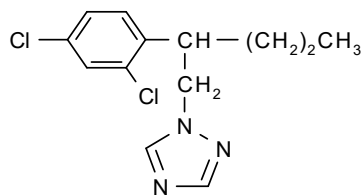
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2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS No.	W/W
penconazole	66246-88-6	
molecular formula: C ₁₃ H ₁₅ Cl ₂ N ₃		
structure formula:		



molecular weight: 284.2

appearance: white crystal

content :	97.0%min
insoluble in actone :	0.5%max
moisture :	0.5%max
PH value :	3.5~6.5

3. HAZARD IDENTIFICATION OF PREPARATION

NONE

4. FIRST AID MEASURES

Skin contact : Wash with soap and warm water

If in eyes ,immediately flush eyes with plenty of water and continue for 15min.

If inhaled, remove victim to fresh air, if not breathing, give artificial respiration.

If swallowed, get medical attention immediately, include vomiting if victim is conscious.

Never give anything by mouth to an unconscious person.

- ◆ Remove all contaminated clothing
- ◆ Call a doctor when symptoms aggravate.
- ◆ In case of emergency, call your local poison control center for advice.

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5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable: CO₂, dry chemical powder or spray

Not to be used : High pressure water jet.

Exposure hazards : None

Fire –fighters should be provided with impervious clothing and self-containing breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Do not get in eyes or on clothing. Avoid prolonged contact with skin. Avoid breathing spray mist. Do not take internally. Wear long sleeved shirt and long pants, waterproof gloves, shoes plus socks, protective eyewear and a dust/mist filtering respirator. Wash hands before eating, drinking, chewing gum, smoking or using the toilet.

Environmental precautions: Avoid breakage of packages.

Spill control/Clean up: Solid spillage should be picked up with an industrial vacuum cleaner and disposed of in accordance with local regulations.

7. HANDLING AND STORAGE

Ensure adequate ventilation when handling, respiratory protection is recommended.

Store in a cool place, and protect from excessive heat.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Technical protective measure : adequate ventilation.

Exposure control limits : none.

Respiratory protection : Wear a gauze mask.

Hand Protection : Wear rubber gloves.

Eye protection : Wear dust-proof glasses.

Skin Protection : Wear overalls.

9. PHYSICAL AND CHEMICAL PROPERTIES

Melting point : 60°C .

Appearance: white powder.

Odor: slightly odor .

Flammability : non-flammable .

Oxidizing properties : none

Explosive properties : none

Vapor pressure : 0.21mPa(20°C)

Solubility(20°C): In water 70mg/L, In ethanol 730, acetone 770, toluene 610, *n*-hexane 22, *n*-octanol 400 (all in g/l, 25 °C)

10. STABILITY AND REACTIVITY

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Thermal stability: Stable to hydrolysis (pH 1-13), and to temperatures up to 350 °C.

Condition to avoid: None .

Hazardous reactions : None .

Hazardous decomposition products : None .

11. TOXICOLOGICAL INFORMATION

Oral: Acute oral LD₅₀ for rats 2125, mice 2444 mg/kg. **Skin and eye:** Acute percutaneous LD₅₀ for rats >3000 mg/kg. Not a skin irritant; irritating to eyes (rabbits). Not a skin sensitiser (guinea pigs). **Inhalation:** LC₅₀ (4 h) >4000 mg/m³. **NOEL:** (2 y) for rats 3.8, mice 0.71 mg/kg b.w. daily; (1 y) for dogs 3.3 mg/kg b.w. daily. **Other:** Not mutagenic, not teratogenic, not oncogenic. **Toxicity class** WHO (a.i.) III

12. ECOLOGICAL INFORMATION

Birds: Acute oral LD₅₀ (8 d) for Japanese quail 2424, Pekin ducks >3000, mallard ducks >1590 mg/kg. LC₅₀ (8 d) for bobwhite quail and mallard ducks >5620 ppm. **Fish:** LC₅₀ (96 h) for rainbow trout 1.7-4.3, carp 3.8-4.6, bluegill sunfish 2.1-2.8 mg/l. **Daphnia:** IC₅₀ (48 h) 7-11 mg/l. **Algae:** IC₅₀ (5 d) for *Scenedesmus subspicatus* 3.0 mg/l; EC₅₀ (5 d) for *Selenastrum capricornutum* 0.83 mg/l. **Bees:** Non-toxic to bees; LD₅₀ (oral and topical) >5 g/bee. **Worms:** LC₅₀ (14 d) for earthworms >1000 mg/kg.

13. DISPOSAL CONSIDERATION

Product/Waste disposal: Must be disposed of special means, eg. Suitable incineration, in accordance regulations.

14. TRANSPORT INFORMATION

UN 3077, Class 9, Packing Group III.

15. REGULATORY INFORMATION

Safety phrases : Keep out of reach of children.

Keep away from food, drink and animal feed stuff.

16. OTHER INFORMATION

None.

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