

MATERIAL SAFETY DATA SHEET OF

TRICYCLAZOLE 40% SC

1. IDENTIFICATION OF THE CHEMICAL PRODUCT AND COMPANY

Supplier: Shanghai Bosman Industrial Co., Ltd

Street address: No. 1611, North Sichuan Road, Hongkou, Shanghai R.P. China

Tel: + 86 21 63065878

Fax: + 86 21 63065878

Recommended use: Fungicide

Formulation: Suspension concentrate (SC)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Other ingredients determined not to be hazardous

INGREDIENT	CAS NO	PROPORTION(%, w/w)
Tricyclazole	41814-78-2	40% min.
Other ingredients	--	Up to 100%

3. HAZARDS IDENTIFICATION

Potential health effects: This section includes possible adverse effects which could occur if this material is not handled in the recommended manner.

Eye: May cause slight irritation with corneal injury.

Skin: Prolonged exposure may cause slight skin irritation. A single prolonged exposure is not likely to result in the material being absorbed through the skin in harmful amounts. Did not cause allergic skin reactions when tested in guinea pigs.

Ingestion: Single dose oral toxicity is moderate. Small amounts swallowed incidental to normal handling operations are not likely to cause injury; however, swallowing larger amounts may cause injury, even death.

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4. FIRST AID MEASURES

Eye contact : Immediately rinse eyes with a large amount of running water. Hold eyelids apart to rinse the entire surface of the eyes and lids.

Skin contact : Wash with plenty of soap and water, including hair and under fingernails. Do not apply any medicating agents except on the advice of a physician. Remove contaminated clothing and decontaminate prior to use.

Inhalation : Move the victim from contaminated area to fresh air. Apply artificial respiration if necessary, preferably by mechanical means. Avoid mouth to mouth resuscitation.

Ingestion : If swallowed, induce vomiting immediately as directed by physician. Never give anything by mouth to an unconscious person. Seek medical attention immediately

Medical instructions : Note to Physician: No specific antidote. Supportive care. Treatment based on judgment of the physician in response to the reactions of the patient.

5. FIRE FIGHTING MEASURES

Flash point: Not Applicable

Method used: Not Applicable

Flammable limits

LFL: Not Determined

UFL: Not Determined

Auto-ignition temp.: No ignition up to 8000C (14720F)

Extinguishing media: Use water, CO2, dry chemical, foam.

Fire and explosion hazards: Toxic, irritating fumes may be formed under fire conditions. As a finely divided material, may form dust mixtures in the air which could explode if subjected to an ignition source (based on information for tricyclazole).

Fire-fighting equipment: Wear positive-pressure, self-contained breathing apparatus.

6. ACCIDENT RELEASE MEASURES

In case of spill or Leak: Wear chemical goggles or a full face shield, rubber gloves, rubber boots, long sleeved shirt, long pants, head covering and chemical cartridge respirator with organic vapor cartridges or use a self-contained breathing apparatus. For small spills cover with an absorbent material such as per litter. Sweep up and place in an approved chemical container. Wash the spill area with water containing a strong detergent, absorb with pet litter

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or other absorbent material, sweep up and place in a chemical container. Seal the container and handle in an approved manner. Flush the area with water to remove any residue. Do not allow wash water to contaminate water supplies.

7. HANDLING AND STORAGE

Ventilation : Laboratory fume hood or local exhaust ventilation.

Storage information : Store the material in a well- ventilated, secure area out of reach of children and domestic animals. Do not store food, beverages or tobacco products in the storage area. Prevent eating, drinking, tobacco use, and cosmetic application in areas where there is a potential for exposure to the material. Wash thoroughly with soap and water after handling.

Special Instructions for storage : Store the product in closed original containers. Protect from light.

Storage Compatibility with other products : Store separately from feed, food and stimulants.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Breathing Protection : Use respirator or laboratory fume hood. In production settings, airline supplied hood-type respirators are preferred to provide face, eye and respiratory protection.

Shower and change clothing is skin contact occurs

Eye protection : Goggles or appropriate respirator

Skin Protection : Impervious gloves and body covering to prevent skin covering

Ingestion : Prevent eating, drinking, tobacco usage and cosmetic application in areas where there is a potential for exposure to the material. Always wash thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form : Liquid

Color : NA

Odor : NA

pH : NA

Corrosive: Non corrosive

Oxidisation: Not an oxidiser

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10. STABILITY AND REACTIVITY

Stability: (Conditions to avoid) Stable at normal temperatures and storage conditions.

Incompatibility: (Specific materials to avoid) None known.

Hazardous decomposition products: Will produce carbon monoxide, mercaptan or hydrazine derivatives if heated to decomposition or when involved in a fire.

Hazardous polymerization: Not known to occur.

11. TOXICOLOGICAL

Acute toxicity

Oral Acute oral LD₅₀ for rats 314, mice 245, dogs >50 mg/kg.

Skin and eye Acute percutaneous LD₅₀ for rabbits >2000 mg/kg. Slight eye irritant;

Irritation: non-irritating to skin (rabbits).

Sensitization: Not a skin sensitiser (guinea pigs).

Inhalation LC₅₀ (1 h) for rats 0.146 mg/l air.

Chronic toxicity

NOEL (2 y) for rats 9.6 mg/kg b.w., for mice 6.7 mg/kg b.w.; (1 y) for dogs 5 mg/kg b.w.;
3-generation reproduction for rats 3 mg/kg b.w..

12. ECOLOGICAL INFORMATION

Birds Acute oral LD₅₀ for mallard ducks and bobwhite quail >100 mg/kg.

Fish LC₅₀ (96 h) for bluegill sunfish 16.0, rainbow trout 7.3, goldfish fingerlings 13.5, carp 21 mg/l.

Daphnia LC₅₀ (48 h) >20 mg/l; NOEC (21 d) 0.96 mg/l.

Algae EC₅₀ (96 h) 9.3 mg/l; NOEC (96 h) 4.0 mg/l (Williams test).

13. DISPOSAL CONSIDERATION

Triple rinse container and add rinsate to spray tank, burn, if circumstances, especially wind direction permit, otherwise dispose of at an approved landfill. Dispose of this product only by using in accordance with label directions. Dispose of liquid contaminated material/or contaminated soil in an approved landfill. Disposal must be in accordance with applicable

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local regulations.

14. TRANSPORT INFORMATION

DOT

UN number : 2902

Proper shipping name : PESTICIDE LIQUID, TOXIC, N.O.S (Tricyclazole)

Class : 6.1

Packing group : III

IATA

UN number : 2902

Proper shipping name : PESTICIDE LIQUID, TOXIC, N.O.S (Tricyclazole)

Class : 6.1

Packing group : III

IMDG

UN number : 2902

Proper shipping name : PESTICIDE LIQUID, TOXIC, N.O.S (Tricyclazole)

Class : 6.1

Packing group : III

15. REGULATORY INFORMATION

Follow all local, international decree, regulation and laws.

16. OTHER INFORMATION

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This MSDS summarizes our best knowledge of the health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user should read this MSDS and consider the information in the context of the how the product will be



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handled and used in the workplace including in conjunction with other products.

If clarification or further information is needed to ensure that an appropriate risk assessment can be made the user should contact the company.

-- END OF MSDS --