

MATERIAL SAFETY DATA SHEET

EPOXICONAZOLE

1. Manufacturer/Information service:

Jiangsu Sevencontient Green Chemical Co.,Ltd
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Trade name: **EPOXICONAZOLE**

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2. Composition of the product and info about the ingredients

Use: Fungicide
Type of formulation: Technical grade
IUPAC: (2RS,3SR)-1-[3-(2-chlorophenyl)-2,3-epoxy-2-(4-fluorophenyl)propyl]-1H-1,2,4-triazole
CAS: rel-1-[[[(2R,3S)-3-(2-chlorophenyl)-2-(4-fluorophenyl)oxiranyl]methyl]-1H-1,2,4-triazole
Reg. No.: 133855-98-8 (formerly 106325-08-0)
Formula: C₁₇H₁₃ClFN₃O

Content a.s	CAS n°	Active ingredient
98 %	133855-98-8	Epoxiconazole

3. Potential hazards

Toxic in the environment. May cause long-term damage to the aquatic environment.

4. First aid measures

Inhalation: *move victim to fresh air. If needed, administer oxygen or apply artificial respiration. Obtain medical attention if necessary.*

Eye contact: *immediately flush with water for 15 minutes, occasionally lifting the upper and lower lids. If irritation persists, seek medical attention.*

Contact with skin: *wash immediately with plenty of water and soap. If necessary seek medical attention.*

Swallowing: *give victim 1 or 2 glasses water to drink. Seek medical advice before inducing vomiting. Never give food or drinks to an unconscious victim. In case of accident or if you feel unwell, seek medical advice (show the label where possible).*

5. Fire fighting measures

Suitable extinguishing media: CO₂, dry powder, foam or water spray.

Not suitable extinguishing media: high-pressure water jet.

Special protective equipment: wear an independent respirator.





Specific method: when possible, let the fire burn out because the amount of water can enlarge the contaminated surface. Cool containers / tanks with water.

6. Accidental release measures

Personal precaution measures: use suitable protective agents.

Environmental protection measures: do not allow entering drains or watercourses.

Cleaning, clearing measures: take up *mechanically*. Clean up affected area. Use an adequate container for disposal.

7. Exposure controls / Personal protection

Technical measures: provide adequate ventilation, especially in closed areas.

Hygienic measures: wash hands before each break and after work. Keep away from food, drinks and animal feeding stuff. Do not eat, drink or smoke during handling.

Personal protection:

Respiratory protection: use a respirator with a P1 filter.

Hand protection: protective gloves.

Eye protection: safety goggles.

8. Handling and storage

Handle product in a well-ventilated area. Normal precautions for handling chemicals should be respected. Use personal protective agents. Keep away from heat or ignition sources.

store in a cool, dry, well-ventilated area, out of reach of children. Store in fireproof location. Keep package well closed. Do not store together with strong acids and alkali. Keep away from food, drinks and animal feeding stuff.

9. Physical and chemical properties

Appearance: Colourless crystals

Odour: weak

Melting point: 136.2 °C

Relative density: 1.384 (room temperature)

Solubility: in water--- 6.63×10^{-4} g/100ml

In acetone---14.4 g/100ml

10. Stability and reactivity

Stability: stable under normal, dry storage conditions.

Materials to avoid: acid and alkali conditions

Hazardous decomposition products: NO_x

11. Toxicological information

Epoxiconazole

Oral LD₅₀ acute oral: > 5000 mg/kg (rat)

Skin and eyes LD₅₀: > 2000 mg/kg (rat)

LC₅₀ inhalation (4h): > 5.3mg/l(rat)

Non-irritating to eyes and skin of rabbits.

12. Ecotoxicological information

Toxicity to aquatic organisms and water fauna:





LC₅₀ Daphnia (48h): 8.7mg/l

Toxicity to birds:

acute oral LD₅₀ for quail: 2000 mg/kg

LC₅₀ for quail: 5000 mg/kg

13. Disposal considerations

Remainders of spraying solution ought to be diluted 10 times and sprayed over the treated plot according to the descriptions of use. Do not pollute ponds, watercourses and canals with the product or the empty packaging. Never reuse the empty packaging for other materials. To avoid spraying solutions after treatments, calculate how much liquid is needed on the basis of the area that need to be treated and the amount of water needed for each hectare

The empty packaging need to be rinsed with water by means of a manual system (three successive times shaking with water) or by means of a cleaning system with water under pressure, placed on the spraying tank. The wash water needs to be poured in the spraying tank. The rinsed packaging must be brought to a specific collector.

14. Transport information

UN-No 3077

Class 9

Packaging group III

Description of the goods environmentally hazardous substance, Solid, n.o.s.

15. Regulatory information

S-sentences:

S2: Keep out of reach of children.

S13: Keep away from food, drink and animal feeding stuffs.

S20/21: When using, do not eat, drink or smoke.

16. Other information

All information and instructions provided in this MSDS are based on the current state of scientific and technical knowledge at the date indicated on the present MSDS and are presented in good faith and believed to be correct. This information applies to the PRODUCT AS SUCH. In case of formulations or mixes, it is necessary to ascertain that a new danger will not appear. It is the responsibility of persons in receipt of this MSDS to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product.

