

Material Safety Data Sheet

Trifluralin 95% Tech

1. Chemical Product / Company Identification

Product name: Trifluralin 95% TC

Active Ingredient: Trifluralin

Manufacturer: Shanghai Tenglong Agrochem Co., Ltd.

Add: Yangpu building 24B, No.2005, Huangxing Road, Yangpu Shanghai

Phone Numbers: Tel: 86-21 5506 3225

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2. Composition/Information on Ingredients

Components	CAS Number	%(w/w)
Trifluralin	1582-09-8	95%
Other ingredients	-	to 100%

3. Hazard identification

Physical/chemical hazards: Irritating to eyes. May cause sensitization by skin contact.

Environmental hazards: Very toxic to aquatic organisms may cause long-term adverse effects in the aquatic environment.

Inhalation: Harmful if inhaled.

Ingestion: Harmful if swallowed.

Skin contact: May cause allergic skin reactions

Eye contact: Irritating.

4. First Aid Measures

If inhaled: Move person to fresh air. If person is not breathing, call 120 or an ambulance, seek medical attention.

If ingestion: If individual is conscious, wash out mouth with water, seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

If on skin: Remove contaminated clothing. Wash skin and hair thoroughly; do two soap and water washings. Wash skin and contained clothes with soap and copious amounts of water.

If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control

center or doctor for treatment advice.

5. Fire Fighting Measures

Extinguishing Media: foam, water spray, dry chemical and carbon dioxide.

Special Fire Fighting Procedures: None.

Hazardous thermal decomposition and combustion products: Could cause fire in high temperatures. When heated to decomposition material emits toxic fumes (NO_x).

Protection of fire-fighters: Fire-fighters must wear self contained breathing equipment and impervious clothing.

6. Accidental Release Measures

Personal Precautions: Wear appropriate protective gear for the situation. The product is harmful if inhaled or swallowed. Will irritate the eyes, nose, throat and skin. Keep people and animals away and upwind. Use rubber gloves and eye/face protection and use respirator.

Environmental Precautions: prevent the contamination of the floor and of beds of water.

Cleaning methods: Sweep up with sand or vermiculite and place into appropriate container for disposal. Ventilate and wash spill area and wash it with water.

7. Handling and Storage

Handling: All chemicals should be considered hazardous. Avoid direct physical contact. Use appropriate, approved safety equipment. Keep out of reach of children. Avoid contact with the eyes, skin and clothing and avoid inhalation of product or spray mist. If in eyes, wash it immediately with water. After handling and before eating, drinking or smoking, wash hands, arms and face thoroughly with soap and water. Do not contaminate food or use on household tanks.

Storage: Store in the closed, original container in a dry, cool, well-ventilated area, room temperatures. Store in locked room or place away from children, animals, food, animal feed, seed and fertilizers.

Packaging materials: Glass or plastic containers.

8. Exposure Controls/Personal Protection

Respiratory Protection: Use NIOSH/MSHA approved respirator appropriate for exposure of concern.

Eye Protection: Chemical goggles.

Protective Clothing: Rubber gloves, respirator, boots, long sleeved shirt or jacket, long pants.

9. Physical and Chemical Properties

Active ingredient: Trifluralin

Content: 95%

Chemical formula: C₁₃H₁₆F₃N₃O₄

Molecular weight: 335.32 g/mol

Appearance: Yellow solid

Solubility In Water: <0.01 g/100 mL at 22.5 °C

10. Stability and Reactivity

Conditions To Avoid: Heat and moisture.

Stability: Stable under normal conditions.

Polymerization: Will not occur.

Hazardous decomposition products: toxic gases, such as Hydrogen fluoride, Nitrogenoxides
Carbon monoxide, Carbon dioxide.

Incompatible Materials: Strong oxidizing agents..

11. Toxicological Information

Acute toxicity

Ingestion: Harmful. LD₅₀ (rat, oral): 1930 mg/kg.

Inhalation: Harmful. LC₅₀ (rat, 1h.): 2800 mg/m³

Intraperitoneal: LD₅₀ (mouse): 4600 mg/kg

Eye irritation: irritation

Skin irritation: None.

Sensitization: Harmful. May cause allergic skin reactions

Carcinogenicity: Possibly carcinogenic.

Mouse (intraperitoneal, 200 mg/kg): cytogenetic analyses

Mouse (intraperitoneal, 200 mg/kg): dominant lethal test

Target organs: Liver, kidneys, bladder, thyroid, blood, central nervous systems.

12. Ecological Information

Fish: Rainbow trout LC₅₀ (48h) = 0.011 mg/l

Aquatic organisms: Daphnia magna LC₅₀ (48h) = 0.56 mg/l

Birds and Bees: Low toxicity.

13. Disposal Considerations

All heibicide waste are considered acutely toxic. Dispose of in an approvedmanner (consult local authority) only as a last resort. Otherwise, apply ccording to label instructions. Consult label and Directions for Use.

14. Transportation Information

UN NO.: 3077

Class: 9

**15. Regulatory Information**

There is no special information for it.

16. Other Information

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 how the product will be 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 this company. Our responsibility for products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.