



NETAFIM TECHFILTER ®

Issue Date: 10/97

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**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**


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Chemical Product

NETAFIM TECHFILTER ®

Common Name: Herbicide; Trifluralin impregnated filter rings.  
 Chemical Description: Trifluralin.  
 TSCA/CAS No.: This product is a mixture. The primary CAS No. is 1582-09-8.

Manufactured For

Netafim Irrigation  
 5470 E. Home Ave.  
 Fresno, CA. 93727

Emergency Phone Numbers

Emergency Telephone: DAYS: 559-453-6800 EVES. & WEEKENDS: 888-691-1935  
 EPA National Response Center: 800-424-8802

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**SECTION 2. HAZARDOUS INGREDIENTS**


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CHEMICAL	CAS NO.	%	TLV OR PEL	RQ (lbs)
Trifluralin	1582-09-8	Trade Secret	N.A.*	N.P.*

\* N.A. – Not Available.

\* N.P. – Not Pertinent.

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**SECTION 3. EMERGENCY/HAZARDS OVERVIEW**


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Orange filter rings with slight aromatic odor. It is unlikely that a hazardous condition will exist or be created when working with this product. Will emit toxic vapors when burned. Not D.O.T. regulated.

HEALTH: 1 REACTIVITY: 0 FLAMMABILITY: 0 ENVIRONMENT: 0  
 (0 = Insignificant 1 = Slight 2 = Moderate 3 = High 4 = Extreme)

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**SECTION 4. FIRST AID**

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- Eyes:** Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention if irritation persists.
- Skin:** Wash with plenty of soap and water. Remove contaminated clothing and shoes. Get medical attention if irritation persists.
- Ingestion:** Call a physician or Poison Control Center for instructions.
- Inhalation:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

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**SECTION 5. FIRE AND EXPLOSION HAZARDS**

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| Flash Point:                            | Not applicable   |
| Test Method:                            | Not applicable   |
| LEL Flammable Limits:                   | Not determined   |
| UEL Flammable Limits:                   | Not determined   |
| Autoignition Temperature:               | Not determined   |
| Flammability Classification:            | Nonflammable   |
| Known Hazardous Products of Combustion: | Not known  |
| Properties that Initiate/Contribute to  |  |
| Intensity of Fire:                      | None   |
| Potential For Dust Explosion:           | None   |
| Reactions that Release Flammable Gases  |  |
| Or Vapors:                              | Not known  |
| Potential For Release of Flammable      |  |
| Vapors:                                 | None   |
| Unusual Fire & Explosion Hazards:       | Toxic, irritating vapors may be produced if product is involved in fire.   |
| Extinguishing Media:                    | Water, fog, foam, CO <sub>2</sub> , and dry chemical.  |
| Special Firefighting Procedures:        | Wear positive pressure, self contained breathing apparatus and goggles. Avoid smoke inhalation. Contain any liquid runoff. |

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**SECTION 6. SPILLS AND LEAKS**

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- Containment:** In the event of a fire where water is used for firefighting, prevent runoff from entering drinking water supplies or streams.
- Clean Up:** Collect runoff liquid or absorb onto absorbent material and package for disposal.

Evacuation: Not necessary.

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## SECTION 7. STORAGE AND HANDLING

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**Storage:** Keep out of reach of children. Avoid contact with eyes, skin and clothing. Harmful if swallowed or absorbed through the skin. Keep in original sealed packages until ready for use. Store in a dry location and do not expose to direct sunlight. Do not store near food or feeds.

**Transfer Equipment:** Not applicable.

**Work/Hygienic Practices:** Harmful if swallowed, absorbed through skin, or inhaled. Avoid contact with eyes, skin or clothing. Wear waterproof gloves when handling. Wash with soap and water after handling. Do not contaminate feed and foodstuffs.

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## SECTION 8. PERSONAL PROTECTIVE EQUIPMENT

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**Eyes:** Not normally needed. If desired, goggles may be worn.

**Skin:** Impervious gloves.

**Respiratory:** Not normally needed.

**Ventilation:** Recommended but no TLV established.

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## SECTION 9. PHYSICAL AND CHEMICAL DATA

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Appearance:	Orange, disk filter rings.
Odor:	Slight aromatic odor.
PH:	Not available.
Vapor Pressure:	Not known.
Vapor Density (Air = 1):	Not known.
Boiling Point:	Not applicable.
Freezing Point:	Not known.
Water Solubility:	0.3 ppm @ 25° C
Density:	< 1
Evaporation Rate:	Not available.
Viscosity:	Not available.
% Volatile:	Not available.
Octanol/Water Partition Coefficient:	Not available.
Saturated Vapor Concentration:	Not available.

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**SECTION 10. STABILITY AND REACTIVITY**

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Stability:	Stable.
Conditions to Avoid:	None known.
Incompatibility:	Do not store near heat or flame.
Hazardous Decomposition Products:	Toxic fumes may result under fire conditions.
Hazardous Polymerization:	Will not occur.

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**SECTION 11. POTENTIAL HEALTH EFFECTS**

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Acute Effects:

Eyes:	May cause slight temporary eye irritation.
Skin:	No allergic skin reaction is expected. However, prolonged or repeated exposure may cause skin irritation.
Ingestion:	May cause nausea, abdominal discomfort, vomiting and diarrhea.
Inhalation:	None expected.
Subchronic Effects:	None known.
Chronic Effects:	None known.

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**SECTION 12. ECOLOGICAL INFORMATION**

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Algal/Lemna Growth Inhibition:	Toxic when added directly to water.
Toxicity to Fish and Invertebrates:	Relatively non-toxic.
Toxicity to Plants:	Toxic.
Toxicity to Birds:	Relatively non-toxic.

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**SECTION 13. DISPOSAL**

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Do not contaminate lakes, streams, ponds, estuaries, oceans or other waters by discharge of waste effluents or equipment washwaters. Dispose of waste effluents in accordance with state and local waste disposal regulations. Also, chemical additions or other alterations of this product may invalidate any disposal information in this MSDS. Therefore, consult local waste regulators for proper disposal.



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