

MATERIAL SAFETY DATA SHEET

Date-Issued: 01/17/2001
MSDS Ref. No: 95044
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Revision No: 1

Truban® 25EC Fungicide

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Truban® 25EC Fungicide

PRODUCT DESCRIPTION: Fungicide

MANUFACTURER

The Scotts Company
Earthgro-Hyponex-Miracle Gro
Scotts-Scotts Lawn Service-Scotts Sierra-
Swiss Farms
14111 Scottslawn Road
Marysville, OH 43041

EPA REG. NO.: 58185-8 **PN:** 95044

24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (U.S.): (800) 424-9300
International: 1-703-527-3887
Emergency Phone: 1-937-644-0011

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS#</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
5-Ethoxy-3-trichloromethyl-1,2,4-thiadiazole (Etridiazole)	2593-15-9	None	None
Xylenes (o-,m-,p- isomers)	1330-20-7	100 ppm	100 ppm

COMMENTS: Consists of a proprietary mixture of xylene range solvent, dispersant, and surfactant (up to 15% xylenes). Exposure limits are for airborne 8-hour time weighted-averages, unless otherwise indicated, and apply to occupational exposures.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS:

DANGER - Corrosive, causes eye damage and skin irritation. Harmful if swallowed.
KEEP OUT OF REACH OF CHILDREN.

POTENTIAL HEALTH EFFECTS

EYES: May cause eye irritation.

SKIN: May cause skin irritation, characterized by dryness, redness, and pain. Prolonged skin contact may cause blistering. Repeated skin contact may cause skin sensitization.

SKIN ABSORPTION: Absorption through intact skin may contribute to exposure.

INGESTION: Moderately toxic by ingestion. Ingestion of large amounts of product may cause throat irritation, nausea, diarrhea, and hematemesis (vomiting blood).

INHALATION: Inhalation of vapor or mist may cause respiratory irritation and central nervous system depression. Symptoms include dizziness, drowsiness, excitability, incoordination, irritation of eyes, nose, and throat, and nausea.

CHRONIC: Excessive exposure to Etridiazole may cause liver damage.

MEDICAL CONDITIONS AGGRAVATED: Persons with pre-existing skin disorders or impaired respiratory function may be more susceptible to effects of the substance.

ROUTES OF ENTRY: Ingestion, skin, inhalation.

TARGET ORGAN STATEMENT: Skin, eyes, respiratory tract, central nervous system, liver, and gastrointestinal tract.

4. FIRST AID MEASURES

EYES: If in eyes, hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.

SKIN: If on skin or clothing, take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

INGESTION: If swallowed, call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

INHALATION: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

NOTES TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression, and convulsion may be needed.

COMMENTS: See product label for specific First Aid Measures. The above measures are the most conservative - Pesticide Registration (PR) Notice 2001-1, January 2, 2001, and apply in the event a product label is not immediately available.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: 39°C (102°F) Cleveland Closed Cup

EXTINGUISHING MEDIA: Water, dry chemical, carbon dioxide, and/or foam are recommended.

FIRE FIGHTING PROCEDURES: Evacuate area. Flood with water. To fight large fires, wear full protective clothing and NIOSH approved self-contained breathing apparatus with full-facepiece operated in the pressure/demand mode.

AUTOIGNITION TEMPERATURE: Not Applicable

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, chlorine, oxides of sulfur, and nitrogen.

6. ACCIDENTAL RELEASE MEASURES

GENERAL PROCEDURES: Ventilate area. Cleanup personnel require protective clothing and respiratory protection. Avoid dusting or misting condition during cleanup. If material is uncontaminated, collect and reuse as recommended for product. If contaminated, put in appropriate container and dispose according to local, state, or Federal regulations. Keep spills away from drinking water supplies. After spill cleanup, flush area with water.

7. HANDLING AND STORAGE

HANDLING: See label. Wash hands with soap and water after handling product. Avoid container breakage. Avoid inhalation or contact with skin, eyes, or clothing. Do not contaminate water sources when disposing of equipment wash waters. Keep out of lakes, streams, or ponds. KEEP OUT OF REACH OF CHILDREN.

STORAGE: See label. KEEP OUT OF REACH OF CHILDREN. Avoid container breakage. Store in cool, dry area in closed container or package. Keep away from feed or foodstuffs.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Use adequate ventilation to keep the airborne concentrations of this material below the recommended exposure standard.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Use of chemical safety goggles and/or full face shield where dusting or splashing of solutions is possible is recommended. Contact lenses should not be worn when working with this material. Running water/eyewash station should be available in case material get in eyes.

SKIN: Applicators and other handlers must wear: Coveralls over short-sleeved shirt and short pants, chemical-resistant footwear plus socks, chemical-resistant headgear for overhead exposures, and a chemical-resistant apron when mixing or loading and cleaning.

RESPIRATORY: For application outdoors, wear a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C).

Ventilation: None required for routine outdoor use. For indoor use, a local exhaust system which captures contaminants at its source is recommended to prevent dispersion into the workroom air.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid
COLOR: Brown
BOILING POINT: Decomposes on heating
SOLUBILITY IN WATER: 50 ppm AI @ 25C
SPECIFIC GRAVITY: 0.98

10. STABILITY AND REACTIVITY

STABLE: YES

HAZARDOUS POLYMERIZATION: NO

CONDITIONS TO AVOID: Ignition sources and extreme heat. Contact with strong oxidizers, acids, and bases.

INCOMPATIBLE MATERIALS: Strong oxidizers. Hydrolyzes with acids and bases.

11. TOXICOLOGICAL INFORMATION

ACUTE

EYES: Corrosive (rabbit) - Technical Terrazole 25% EC

DERMAL LD₅₀: >2.0 g/kg (rabbit). Skin Irritation (rabbit) - Severe; Technical Terrazole 25% EC.

ORAL LD₅₀: 3.0 g/kg (rat); Technical Terrazole 25% EC.

INHALATION LC₅₀: (rat,4-hrs.): 8.7 mg/l air; Technical Terrazole 25% EC.

SENSITIZATION: Not a sensitizer (Technical Terrazole 25% EC). However, the active ingredient, Etridiazole, is a known dermal sensitizer.

TARGET ORGANS: Skin, eyes, respiratory tract, liver, gastrointestinal tract, and central nervous system.

CARCINOGENICITY:

IARC: Xylene, Group 3, Not classifiable as a human carcinogen.

NTP: No

OSHA: Yes

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: This product is toxic to fish. Keep out of lakes, streams, and ponds. Do not contaminate water sources by cleaning of equipment or disposal of wastes.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Disposal must be in accordance with Federal, state, and local regulations. Dispose of container in an approved waste facility.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Combustible Liquid, n.o.s. (Petroleum Aromatic Hydrocarbon), NA 1993, PGIII, Ltd Qty

OTHER SHIPPING INFORMATION: Product classified as Flammable Liquids, n.o.s., (Xylene), 3, UN 1993, PGIII, MP (etridiazole) by vessel or by bulk.

SPECIAL SHIPPING NOTES: The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES:

FIRE: YES **PRESSURE GENERATING:** NO **REACTIVITY:** NO **ACUTE:** YES **CHRONIC:** YES

GENERAL COMMENTS: Refer to product label for disposal recommendations. Contact local authorities for proper disposal of large quantities of product.

16. OTHER INFORMATION

REVISION SUMMARY Revision #: 1

This MSDS replaces the January 22, 2001 MSDS. Any changes in information are as follows:

In Section 4
Section 4 Footnotes

In Section 10
Polymerization

In Section 14
Other DOT Shipping Information

In Section 15
Fire General Regulatory

In Section 16
HMIS Flammability HMIS Health HMIS Reactivity Additional MSDS Information General Statements Section 16 Footnotes

NFPA CODES

HEALTH: 3 FIRE: 3 REACTIVITY: 1

MANUFACTURER DISCLAIMER: The information contained herein is, to the best of the Manufacturer's (see Section 1) knowledge and belief, accurate and reliable as of the date of preparation of this document. However, no warranty or guarantee, express or implied, is made as to the accuracy or reliability, and the Manufacturer shall not be liable for any loss or damage arising out of the use thereof. No authorization is given or implied to use any patented invention without a license. In addition, the Manufacturer shall not be liable for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices or from any hazards inherent in the nature of the product.

ADDITIONAL MSDS INFORMATION: NFPA Hazard Rating: 0=Least; 1=Slight; 2=Moderate; 3=High; 4=Severe.

GENERAL STATEMENTS: This document contains health, safety, and environmental information useful to emergency response agencies, health care providers, manufacturers, and workers/employees. It does not replace the precautionary language, use directions, or the storage and disposal information found on the product label.

COMMENTS: Use of this product is regulated by the U.S. Environmental Protection Agency (EPA) through the approved product label. It is a violation of Federal law to use this product in a manner inconsistent with its labeling.