

MATERIAL SAFETY DATA SHEET

UNITED HORTICULTURAL SUPPLY

TURF TRAX™

Spray Indicator For Turf

FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CALL CHEMTREC - DAY OR NIGHT 1-800-424-9300

SECTION I - IDENTIFICATION OF PRODUCT

MANUFACTURER'S NAME:
United Horticultural Supply
150 South Main Street
Fremont, NE 68025-5697

EMERGENCY TELEPHONE NO.:
CHEMTREC (800) 424-9300 (24 Hours)

TRADE NAME AND SYNONYMS: TURF TRAX™ Spray Indicator For Turf

CHEMICAL NAME AND SYNONYMS: Nonionic Polymeric Colorant

CHEMICAL FAMILY: Polymer Bound Aromatic Organic Colorant

SECTION II - PRODUCT COMPONENTS

COMPONENT:	%	THRESHOLD LIMIT VALUE (Units):
Proprietary	100	None established

SECTION III - PHYSICAL INFORMATION

APPEARANCE AND ODOR: Dark blue liquid with a very faint odor

BOILING POINT (°F): 215

SOLUBILITY IN WATER: Soluble

EVAPORATION RATE (BUTYL ACETATE = 1): 1

SPECIFIC GRAVITY (WATER = 1): 1.05 @ 77°F

PERCENT VOLATILE (BY WEIGHT): 80 @ 100°C

VAPOR DENSITY (AIR = 1): > 1

VAPOR PRESSURE (MM OF MERCURY): 18

SECTION IV - FIRE AND EXPLOSION HAZARD INFORMATION

FLASH POINT (SPECIFY METHOD - °C): 260 (COC)

FLAMMABLE LIMITS (PERCENT BY VOLUME): None established

FIRE EXTINGUISHING MEDIA: Use water, carbon dioxide, foam or dry powder. Do not use a direct water stream, use a water spray.

SPECIAL FIRE FIGHTING PROCEDURES: Use water spray to cool containers. Wear self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Avoid breathing smoke, fumes and decomposition products.

NFPA HAZARD RATING:

0 Least	
1 Slight	1 Health
2 Moderate	0 Flammability
3 High	0 Reactivity
4 Severe	

MSDS: TURF TRAX™ Spray Indicator For Turf

SECTION V - REACTIVITY INFORMATION

STABILITY: Stable **CONDITIONS TO AVOID:** None

INCOMPATIBILITY (Avoid contact with): Strong acids, alkalies and oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition or burning may liberate oxidizing carbon and/or nitrogen and other unidentified organic compounds.

HAZARDOUS POLYMERIZATION: Will not occur. **CONDITIONS TO AVOID:** None known.

SECTION VI - HEALTH INFORMATION

TOXICOLOGICAL TEST DATA: (Source of Information - Registry of Toxic Effects of Chemical Substances):

Acute Oral LD₅₀ (rat): > 5000 mg/kg

EFFECTS OF OVEREXPOSURE:

Contact with eyes may cause slight irritation.

Repeated or prolonged contact may be irritating or cause dermatitis.

No known risks due to inhalation.

EMERGENCY AND FIRST AID PROCEDURES: Call a physician immediately in all cases of suspected poisoning.

Eyes: Immediately flush eyes with large amounts of water for 15 minutes. If irritation persists, contact a physician.

Skin: Wash affected area immediately with large amounts of soap and water. Remove and wash contaminated clothing before reuse. Contact a physician if irritation occurs.

Ingestion: Give two glasses of water and contact a physician. Never give anything by mouth to an unconscious person.

Inhalation: Remove victim to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known

POTENTIAL CARCINOGEN STATUS (Source of Information - Registry of Toxic Effects of Chemical Substances):

None listed

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Wear appropriate protective equipment as specified in Section VIII. Floors may be slippery. Contain spilled material. Transfer to secure containers. Where applicable, collect using absorbent material.

WASTE DISPOSAL METHOD:

All material should be packaged, labeled, transported and disposed or reclaimed in conformance with all applicable local, state and federal regulations.

MSDS: TURF TRAX™ Spray Indicator For Turf

SECTION VIII - SPECIAL PROTECTION INFORMATION

PROTECTIVE CLOTHING:

Eye Protection (Type): Safety goggles or splash goggles
Gloves (Type): Chemical resistant gloves
Respiratory Protection: Not normally needed
Other Clothing: Long-sleeved shirt and pants, socks and shoes

VENTILATION:

Local Exhaust: Not normally required
Mechanical (General): If ventilation is not adequate provide mechanical ventilation
Special: Not normally required
Other: Work in well ventilated area

SECTION IX - SPECIAL PRECAUTIONS

HANDLING AND STORAGE:

Due to the highly concentrated color of this product, avoid washing even small quantities into a sewer system without proper equipment.

SECTION X - REGULATORY INFORMATION

SARA TITLE III HAZARD CATEGORY: IMMEDIATE N FIRE N SUDDEN RELEASE
 DELAYED N REACTIVE N OF PRESSURE N

SUBSTANCES REGULATED UNDER SARA, TITLE III, SECT. 313:

None

DATE OF ISSUE: 01/07/97
SUPERSEDES: 02/27/96

All information contained in this Material Safety Data Sheet is furnished free of charge and is intended for your evaluation. In our opinion the information is, as of the date of this Material Safety Data Sheet, reliable, however, it is your responsibility to determine the suitability of the information for your use. You are advised not to construe the information as absolutely complete since additional information may be necessary or desirable when particular, exceptional or variable conditions or circumstances exist or because of applicable laws or government regulations. Therefore, you should use this information only as a supplement to other information gathered by you, and you must make independent determinations of the suitability and completeness of the information from all sources to assure both proper use of the material described herein and the safety and health of employees. Accordingly, no guarantee expressed or implied is made by United Horticultural Supply as to the results to be obtained based upon your use of the information, nor does United Horticultural Supply assume any liability arising out of your use of the information.