

innovative turf solutions

Health	Flammability
1	1
Hazard	Reactivity
0	0

Penatec™ MATERIAL SAFETY DATA SHEET

IDENTIFICATION SYSTEM

I. PRODUCT IDENTIFICATION

Trade Name: Penatec™	
Generic Name(s): SOIL PENETRANT, SURFACTANT, WETTING AGENT	
Manufacturer: Innovative Turf Solutions 3318 Glenmont Lane Cincinnati, OH 45248	Telephone Numbers: 513 317 8311

II. HAZARDOUS INGREDIENTS-NONE

MILDY IRRATATING INGREDIENTS/OTHER	CAS No.	%	
DIETHYLENE GYCOL	111-46-6	1-5%	MILD SKIN AND EYE IRRATATION, EXCESSIVE BREATHING OF VAPORS MAY CAUSE DIZZINESS.
PROPANOL	8013-70-5	.025% or less	PROPANOL IS A COMBUSTIBLE LIQUID

Note: Specific identity of product ingredients withheld as a trade secret. Ingredient identity is available to health professionals and others in accordance with 29 CFR 1910.1200(i). Only the most restrictive data for the ingredients in this product are given here.

III. PHYSICAL DATA

Boiling Point (°F): 212F	Specific Gravity : 1.05
Vapor Pressure (mm. Hg): NA	
Vapor Density (Air = 1): NA	
Solubility in Water: TRANSLUCENT EMULSION	
Appearance and Odor: CLEAR LIGHT YELLOW LIQUID WITH SLIGHT SULFUROUS ODOR	

IV. FIRE AND EXPLOSION DATA

Flash Point: 212F
Special Fire Fighting Procedures: ALL
Unusual Fire and Explosion Hazards: may support combustion.
Extinguishing Media: ALL

V. REACTIVITY

Stability: Stable
Hazardous Polymerization: WILL NOT OCCUR

Incompatibility: STRONG OXIDIZERS	
NA = Not Applicable ND = Not Determined	Date Prepared : January 24, 2011

VI. HEALTH HAZARD INFORMATION

Routes of Exposure and Effects:
 Skin: Prolonged contact may cause irritation and drying resulting in dermatitis.
 Eyes: May irritate or burn eyes.
 Inhalation: Excessive exposure to vapors may cause irritation of respiratory tract.
 Ingestion: May irritate gastrointestinal tract.

Carcinogenicity: None of the ingredients are listed by NTP, IARC or OSHA. IARC, 1987, concludes that there is limited evidence suggesting the Carcinogenicity in humans .

Emergency and First Aid Procedures:
 Skin: Wash with soap and water until clean.
 Eyes: Flush with water until irritation ceases. If irritation persists contact physician.
 Inhalation: Move to area free vapors. If symptoms of irritation persist contact physician.

VII. HANDLING AND USE PRECAUTIONS

Steps to be Taken if Material is Released or Spilled: Contain spill and pick up material with suitable absorbent.

Waste Disposal Methods: Product should be disposed of in accordance with applicable local, state and federal regulations.

Handling and Storage Precautions: DO NOT ALLOW TO FREEZE

VIII. INDUSTRIAL HYGIENE CONTROL MEASURES

Ventilation Requirements: Mechanical, general room ventilation. Use local ventilation to maintain PEL's/TLV's.

Eye Protection: Chemical safety goggles.

Gloves: As appropriate for industrial work.

Other Protective Clothing or Equipment: As appropriate for industrial work.

IX. SPECIAL PRECAUTIONS

NONE

DEPARTMENT OF TRANSPORTATION INFORMATION

Shipping Name: ANIONIC SURFACTANT	Hazard Class: Not Hazardous
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Hazardous Substance: None

Cautionary Labeling: None required	Date Prepared: September 12, 2011
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All information presented herein is believed to be accurate; however, it is the user's responsibility to determine in advance of need that the information is current and suitable for their circumstances. No warranty or guarantee, expressed or implied is made by Innovative Turf Solutions as to this information, or as to the safety, toxicity or effect of the use of this product.