

Product: **BIO T 200A**

Date: April 18, 1994

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**SECTION I. MATERIAL IDENTIFICATION****Trade/Material Name:** Bio T 200A**Manufacturer:** BioChem Systems, Inc.  
3511 N. Ohio  
Wichita, KS 67219Phone: 800-777-7870 (Business)  
800-633-8253 (Emergency)  
Cage Number: 0XYG0**SECTION II. INGREDIENTS AND HAZARDS**

<b>Ingredient Name:</b>	<b>Exposure Limits:</b>	<b>CAS#</b>
D-limonene	N/D	5989-27-5

All components that comprise Bio T 200A are registered on the TSCA inventory.

**SECTION III. PHYSICAL DATA**

<b>Appearance &amp; Odor:</b>	Clear liquid; citrus odor.
<b>Boiling Point:</b>	348°F
<b>Evaporation Rate (H<sub>2</sub>O = 1):</b>	<1
<b>Vapor Pressure:</b>	<2 mm Hg (Primary Constituent)
<b>Specific Gravity (H<sub>2</sub>O = 1):</b>	0.840 @ 25°C
<b>Melting Point:</b>	Liquid @ 25°C
<b>Vapor Density (air = 1):</b>	>1
<b>pH:</b>	Not applicable
<b>Solubility in Water:</b>	Insoluble

**SECTION IV. FIRE AND EXPLOSION DATA**

<b>Flash Point (method):</b>	121°F (PMCC)
<b>Limits:</b>	LEL %: N/D    UEL %: N/D
<b>Extinguishing Media:</b>	Dry chemical, carbon dioxide or halon.
<b>Unusual Fire or Explosion Hazards:</b>	Guard against spontaneous combustion of improperly discarded oily rags.
<b>Special Fire Fighting Procedures:</b>	Use self-contained breathing apparatus. Do not use water.

**SECTION V. REACTIVITY DATA**

<b>Chemical Stability:</b>	Hazardous polymerization will not occur.
<b>Chemical Incompatibilities:</b>	Avoid contact with strong oxidizing agents.
<b>Conditions To Avoid:</b>	Avoid use of any ignition sources near spill.
<b>Hazardous Decomposition Products:</b>	Carbon monoxide.

**SECTION VI. HEALTH HAZARD INFORMATION**

<b>Carcinogenicity:</b>	This product is not considered a carcinogen.
<b>Medical conditions which may be aggravated by contact:</b>	Predisposition to allergic contact dermatitis.
<b>Primary entry route(s):</b>	Inhalation, skin contact, eye contact, ingestion.

## SECTION VI. HEALTH HAZARD INFORMATION (cont.)

### Signs and symptoms of overexposure:

- Eye Contact:** Causes irritation  
**Skin Contact:** Causes irritation  
**Inhalation:** Prolonged inhalation of aerosol/vapor may result in drowsiness, headache and uncoordination if used extensively in absence of general ventilation.

### First Aid:

- Eye Contact:** Flush eyes with copious amounts of water; see physician.  
**Skin Contact:** Wash skin with mild soap and water.  
**Inhalation:** Move victim to fresh air.  
**Ingestion:** Do not induce vomiting. Rinse mouth with water, then drink one glass of water. Contact physician immediately. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness, or is convulsing.

## SECTION VII. SPILL, LEAK AND DISPOSAL PROCEDURES

**Spill/Leak Procedures:** Avoid use of any ignition source near spill. Contain product with inert material or absorbent medium such as activated carbon or kitty litter.

**Waste Management/Disposal:** Hazardous substances cleaned with this product may be considered hazardous waste. Unused portions of this product must be disposed of as ignitable waste. Dispose of hazardous waste in accordance with all local, state and federal regulations.

## SECTION VIII. SPECIAL PROTECTION INFORMATION

### Personal Protective Equipment:

- Eye Protection:** Goggles  
**Gloves:** Impermeable gloves (Nitrile)  
**Respirator:** Not required in presence of good general ventilation. If conditions warrant, use NIOSH approved respirator.  
**Other:** Avoid wearing clothes saturated with cleaner.

### Workplace Considerations:

- Ventilation:** General mechanical ventilation.  
**Safety Stations:** Emergency eye wash and shower stations.

## SECTION IX. SPECIAL PRECAUTIONS

**Special Handling/Storage:** Store in original container in well-ventilated areas at temperatures below 140°F. Store in closed containers away from heat or sources of ignition and oxidizing materials. Protect against physical damage to containers.

**Other Precautions:** Avoid contact with skin, eyes and mucous membranes.

**Hazard Class:** UN 2319 (Flammable Liquid when shipped by air, internationally, or in bulk quantities. **Combustible Liquid and unregulated by DOT when shipped domestically by land in non-bulk quantities.**)

**CAS Number:** Proprietary Blend

**R.C.R.A. Hazard Class:** Ignitable

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