

Product: **BIOBRAKE**

Date: January 6, 1999

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SECTION I. MATERIAL IDENTIFICATION**Trade/Material Name:** BioBrake**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**

Ingredient Name:	Exposure Limits:
C ₉ -C ₁₂ Hydrocarbons	OSHA PEL & TLV--100 ppm
Propanol, (2-methoxymethylethoxy)	OSHA PEL & TLV--100 ppm
Acetone	OSHA PEL & TLV -- 1,000 ppm

All components that comprise BioBrake are registered on the TSCA inventory.

SECTION III. PHYSICAL DATA

Appearance & Odor:	Colorless with a slight hydrocarbon odor
Boiling Point:	134°F
Evaporation Rate (H₂O = 1):	>1
Vapor Pressure:	>2 mm Hg @ 20°C
Specific Gravity (H₂O = 1):	0.7 @ 25°C
Freezing Point:	Not determined
Vapor Density (air = 1):	>1
pH:	Not applicable
Solubility in Water:	Negligible

SECTION IV. FIRE AND EXPLOSION DATA

Flash Point (method):	0°F (TCC)
Limits:	LEL %: N/D UEL %: N/D
Extinguishing Media:	Dry chemical and carbon dioxide
Unusual Fire or Explosion Hazards:	None known
Special Fire Fighting Procedures:	Use self-contained breathing apparatus and protective fire fighting clothing.

SECTION V. REACTIVITY DATA

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

SECTION VI. HEALTH HAZARD INFORMATION

Carcinogenicity: This product is not considered a carcinogen.

Medical conditions which may be aggravated by contact: Predisposition to allergic contact dermatitis.

Primary entry route(s): Inhalation, skin contact, eye contact, ingestion.

SECTION VI. HEALTH HAZARD INFORMATION (cont.)

Signs and symptoms of overexposure:

- Eye Contact:** May cause slight eye irritation.
Skin Contact: Prolonged exposure may cause 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 person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, oxygen should be administered by qualified personnel. See a physician.
Ingestion: Induce vomiting if large volume is ingested. See physician immediately.

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. 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: Chemically impermeable gloves
Respirator: Not required in presence of good general ventilation. If conditions warrant, use NIOSH approved respirator.

Workplace Considerations:

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

SECTION IX. SPECIAL PRECAUTIONS

Danger: Extremely Flammable! Harmful if swallowed. Contents under pressure.

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.

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