



MATERIAL SAFETY DATA SHEET

PRODUCT NAME: BIO MODIFIER CD01

NFPA/HMIS: Health 1
Flammability 0
Reactivity 0

MATERIAL SAFETY DATA SHEET U.S. DEPARTMENT OF LABOR
COMPLIES WITH USDL SAFETY AND HEALTH REGULATIONS 29CFR1910.1200

SECTION 1: COMPANY AND PRODUCT IDENTIFICATION

PRODUCT NAME: Bio-Modifier

MANUFACTURER:

Bridgepoint Systems
4282 S 590 W
Salt Lake City, UT 84123
Telephone: 801-261-1282
Prepared 02/01/2011

EMERGENCIES: (800) 535-5053 (Infotrac)

NFPA/HMIS RATINGS: Health: 1, Flammability: 0, Reactivity: 0

SECTION 2: COMPOSITION/INFORMATION ON COMPONENTS

<u>PRINCIPLE HAZARDOUS INGREDIENTS :</u>	<u>TLV</u>	<u>OSHA PEL</u>
Viable Bacterial Cultures (mostly water)	N/E	N/E

SECTION 3: HAZARDS IDENTIFICATION

IMMEDIATE HEALTH EFFECTS

Eyes: Overexposure may cause irritation to eyes.

Skin: Prolonged and repeated contact may cause irritation to skin.

Inhalation: None.

Ingestion: May cause pain, nausea and vomiting.

PRIMARY ROUTES OF ENTRY: Ingestion.

SIGNS/SYMPTOMS OF OVEREXPOSURE: Gastrointestinal irritation (nausea, vomiting, diarrhea), and/or irritation to the skin and eyes.

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TARGET ORGAN EFFECTS: Irritation of the skin and eyes.

REPRODUCTIVE/DEVELOPMENTAL INFORMATION: No data available.

CARCINOGENICITY:

NTP: Known – No; Anticipated – No **OSHA:** No **IARC:** No

LONG TERM EFFECTS: No data available.

SECTION 4: FIRST AID MEASURES

EYES: Flush eyes with water for at least 15 minutes. If irritation persists, consult a physician.

SKIN: If irritation occurs, flush skin with water for at least 15 minutes. If irritation persists, consult a physician

INHALATION: If symptoms of overexposure develop, remove to fresh air. If symptoms persist, consult a physician.

INGESTION: Give 8 to 16 ounces of water to dilute substance. Do not induce vomiting. Consult a physician or local Poison Control Center. Never give anything by mouth to an unconscious person.

SECTION 5: FIRE FIGHTING MEASURES

FLASHPOINT (° Fahrenheit): No flash below boil.

EXPLOSIVE LIMITS: No data available.

AUTOIGNITION TEMPERATURE: No data available.

HAZARDOUS PRODUCTS OF COMBUSTION: None

EXTINGUISHING MEDIA: None.

FIRE FIGHTING INSTRUCTIONS: Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece operated in positive pressure mode. Move containers from fire area if it can be done without risk. Use water to keep fire-exposed containers cool.

SECTION 6: ACCIDENTAL RELEASE MEASURES

SMALL SPILL: For small spills, soak up material with an absorbent such as clay, sand, or other suitable material and dispose of properly. Flush area with water to remove trace residue.

LARGE SPILL: Dike and contain spilled material. Remove with vacuum trucks or pump to storage/salvage containers. Soak up residue with an absorbent such as clay, sand, or other suitable material. Flush area with water to remove trace residue.

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SECTION 7: HANDLING AND STORAGE

HANDLING: Handle and open containers with care.

STORAGE: Store in a cool, well ventilated place away from incompatible materials.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory Protection...	None required for recommended use. Avoid creating aerosols in poorly ventilated areas.
Protective Clothing.....	Rubber gloves & safety glasses recommended.
Ventilation.....	Normal room ventilation.
Storage.....	To maintain product activity, keep container closed, avoid prolonged exposure to temperatures above 110°F and keep from freezing.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Odor: Slight odor

Physical State: Liquid.

Appearance: Slightly turbid.

pH (1% Solution): 7

Specific Gravity: 1.000

Boiling Point: 212° F

Freezing/Melting Point: N/E

Vapor Pressure: Same as water

Vapor Density: Same as water

Solubility in Water: Complete

SECTION 10: STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable.

CONDITIONS TO AVOID: None with proper storing and handling.

MATERIALS TO AVOID: Strong acids or alkali compounds may inactivate biological cultures.

HAZARDOUS DECOMPOSITION: None.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

ROUTES OF EXPOSURE: Skin absorption, eye contact, inhalation, and ingestion.

CARCINOGENITY: None of the components of this material are listed as carcinogens by IARC, NTP, or OSHA.

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TERATOGENICITY, MUTAGENICITY, OR OTHER REPRODUCTIVE EFFECTS: No data available.

CONDITIONS AGGREGATED BY EXPOSURE: No data available.

SYNERGISTIC MATERIALS: No data available.

SECTION 12: ECOLOGICAL INFORMATION

No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

Do not dispose of on the land, in surface waters, or in storm drains. Small spills and waste may be flushed into a waste treatment sewer where local regulations permit. Larger quantities should be collected for reuse or consigned to a licensed hazardous waste hauler for disposal in accordance with federal, state and local regulations. **All disposal must be in accordance with all federal, state and local regulations.**

SECTION 14: TRANSPORT INFORMATION

No restrictions for Ground, Air, or Maritime Transportation in accordance with 49 CFR parts 100-185.

SECTION 15: REGULATORY INFORMATION

All components are listed on TSCA.

16. OTHER INFORMATION

This product has no established regulatory information. All regulatory information given is based on individual components of the mixture by component number. While this information and recommendations set forth herein are believed to be accurate and reliable, it is provided without warranty regarding its accuracy. BRIDGEPOINT SYSTEMS MAKES NO WARRANTY WITH RESPECT HERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE THEREON. Users must determine safe conditions for use and assume liability for any loss, injury, damage or expense resulting from use of this product.

N/A = Not applicable N/D = Not determined N/E = Not established