

MATERIAL SAFETY DATA SHEET

BioStim, LLC
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For Emergency Call: (830) 331-9878

SECTION I: IDENTIFICATION

Trade Name: MCJ (MicroJet™)

Product Description: Lyophilized bacterial cultures, and a non-repellant/non-ionic foaming agent

Chemical Name: No ICU for this mixture is known to exist

SECTION II: PRODUCT COMPOSITION

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>TLV(ACGIH)</u>
Bacterial Cultures 1%	N/A	N/A
Foaming Agent 99%	N/A	N/A

Ingredients not identified are proprietary or non-hazardous. Values are not product specific. Active Ingredients 99.9% live bacteria.

SECTION III: PHYSICAL DATA

Physical State: liquid	%Volatiles by volume: <5%
Boiling Point: n/a	Surface Tension (KYNES/CM @ 25C): n/a
Freezing/Melting Point: -5°C	Evaporation Rate : n/a
Vapor Density: no data	pH: 6.5 – 8.5
Solubility in Water: moderate-contains viable bacteria	Specific gravity: no data
Appearance and odor: pale amber liquid, unscented	

SECTION IV: FIRE AND EXPLOSION HAZARD DATA

Flash Point: above 93.3°C CC
Extinguishing Media: Foam, dry chemical, carbon dioxide
Special Firefighting Procedures: Do not use water. Wear self-contained breathing apparatus and impervious clothing. Under fire conditions the alcohol will burn.
Unusual Fire and Explosion Hazard: None known

SECTION V: REACTIVITY DATA

Stability: Stable under normal conditions	Incompatibility (materials to avoid): Strong oxidizers, acids and bactericidal compounds
Hazardous polymerization: None known	
Conditions to Avoid: Excessive heat	

SECTION VI: TOXICOLOGICAL INFORMATION

Low toxicity (LD₅₀>5g/kg). None of the components present in this material are listed by OSHA or ACGIH as being carcinogens.

SECTION VII: STORAGE AND DISPOSAL CONSIDERATIONS

Store at ambient temperature, do not allow to freeze. Dispose of empty container in household garbage. Dispose of waste product in accordance with local, provincial, state and federal government regulations. Do not contaminate food or feed products when storing or disposing of product.

SECTION VIII: TRANSPORTATION INFORMATION

DOT Shipping Name: Not applicable	DOT Label(s): Not applicable
Freight Classification: LTL Class 55	DOT Hazard Class: Non-Hazardous

SECTION IX: HEALTH HAZARD ASSESSMENT

KEEP OUT OF REACH OF CHILDREN

People with autoimmune deficiencies should avoid contact.

Inhalation Health Risks: Not expected under normal conditions.

Eye Contact Health Risks and Symptoms of Exposure: May cause eye irritation, tearing and blurred vision.

Skin Absorption Health Risks and Symptoms of Exposure: No skin absorption expected. Can cause mild skin irritation. Prolonged or repeated exposure can cause irritation and reddening of the skin, progressing into dermatitis.

Ingestion Health Risks and Symptoms of Exposure: Harmful if swallowed. Can cause nausea, diarrhea and abdominal cramps.

First-aid procedures:

Eyes: Immediately flush with running water for 20 min. Hold eyelids open during flushing. If irritation persists have eyes examined and treated by medical personnel.

Skin: Remove contaminated clothing and footwear. Flush skin with copious amounts of soap and water until foam has washed away (up to 20 min.). Wash clothing and footwear before reuse. If irritation persists seek medical attention.

Ingestion: Drink 1-2 glasses of water to dilute. Do not induce vomiting unless directed by physician or poison control center. Call physician or poison control center.

Inhalation: Remove victim to fresh air if trouble breathing; if symptoms persist, seek medical attention immediately.

SECTION X: SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled: Caution: Slippery when spilled. Apply suitable absorbent (like cat litter) and sweep up spilled material. Transfer into waste container for appropriate disposal. Continue to dilute the affected area with water until foam has disappeared. Dispose of waste in accordance with all federal, state and local laws.

SECTION XI: SPECIAL PROTECTION INFORMATION

Ventilation: General mechanical ventilation

Respiratory protection (specify type): Prolonged usage requires a NIOSH/MSHA approved respirator. Avoid breathing vapors and/or dust.

Eye protection: Face shield recommended

Skin protection: Gloves recommended

Other protective equipment: Eyewash station in work area

SECTION XII: REGULATORY INFORMATION (UNITED STATES)

SARA TITLE III (Superfund Amendments and Reauthorization Act)

311/312 HAZARD CATEGORIES:

Fire: No Pressure Generating: No Reactivity: No Acute: No

313 REPORTABLE INGREDIENTS: None known

303/304 EMERGENCY PLAN: There are no SARA Title III Section 302 extremely hazardous substances present in this formulation.

TSCA (Toxic Substance Control Act): TSCA STATUS: All chemical substances found in this product comply with the Toxic Substances Control Act inventory reporting requirements.

SECTION XIII: OTHER INFORMATION

HMIS CODES

FIRE: 1

HEALTH: 1

REACTIVITY: 1

HMIS Rating Notes: We have assigned HMIS ratings to this product based on the hazards of its ingredients and the final product. Since the customer is most aware of the applications and conditions of use, they must ensure that the proper personal protective equipment is provided consistent with the information in this MSDS.

SECTION XIV: OTHER COMMENTS

Although the information and recommendations set forth in this sheet are believed to be correct as of the date hereof BIOSTIM, LLC makes no representation as to the completeness or accuracy of such information and recommendations for specialty application. BioStim, LLC shall in no event be responsible for any damages of application. BioStim, LLC shall in no event be responsible for any damages of whatsoever nature directly or indirectly resulting from the publication or use of or reliance upon such information and recommendations for specialty application. You are encouraged to advise anyone working with or exposed to such products of the information contained herein. Additionally, since actual use by others is beyond our control, no guarantee, express or implied, is made by BioStim, LLC as to the effect of such use, the results to be obtained, or the safety and toxicity of the product nor does BioStim, LLC assume any liability arising out of use, misuse by others of the product referred to herein. Information provided herein is provided by BioStim, LLC solely for customer's assistance in complying with the Occupational Safety and Health Act of 1970 and regulations there under. Any other use is prohibited.
