

# MATERIAL SAFETY DATA SHEET

## Microfoam EF

FILE NO.: PNG0189  
MSDS DATE: 5/15/2012  
P/N: 17018008

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** MicrofoamEF  
**SYNONYMS:**  
PRODUCT CODES: PNG0189

**MANUFACTURER:** B&G Equipment Company  
**DIVISION:**  
**ADDRESS:** 135 Region South Drive  
Jackson, GA 30233

**EMERGENCY PHONE:** 800.544.8811  
**CHEMTREC PHONE:**  
**OTHER CALLS:** 678.688.5601  
**FAX:** 678.688.5633

**CHEMICAL NAME:** N/A  
**CHEMICAL FAMILY:** N/A  
**CHEMICAL FORMULA:** N/A

**PRODUCT USE:** Foaming agent for microbial transfer  
**PREPARED BY:** Robert Heiney

#### SECTION 1 NOTES:

### SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>%WT</u>
Trade secret	-	0-10%
Trade secret	-	0-10%
Trade secret	-	0-10%
Trade secret	-	10-20%
Trade secret	-	10-20%
Trade secret	-	60-70%

### SECTION 3: HAZARDS IDENTIFICATION

**EMERGENCY OVERVIEW:** Irritant

**ROUTES OF ENTRY:** Eye Contact, Skin Contact

#### POTENTIAL HEALTH EFFECTS

**EYES:** Irritation may occur

**SKIN:** Slight Irritation may occur

**INGESTION:** May be harmful if swallowed

**INHALATION:** May cause irritation of respiratory tract

#### ACUTE HEALTH HAZARDS:

**CHRONIC HEALTH HAZARDS:** Prolonged contact may cause persistent irritation or dermatitis

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** Individuals with breathing disorders may be affected by vapors or airborne particles

#### SECTION 3 NOTES:

### SECTION 4: FIRST AID MEASURES

**EYES:** Flush eyes with water. If irritation persist seek medical attention.

**SKIN:** Remove contaminated clothing. If skin contact occurs flush with plenty of water.

**INGESTION:** Drink 1-2 glasses of water do not induce vomiting. Consult physician.

**INHALATION:** Move to fresh air.

**NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** No special instructions.

#### SECTION 4 NOTES:

### SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: N/A  
(% BY VOLUME) LOWER:

**FLASH POINT:** N/A

F:  
C:  
METHOD USED:

**AUTOIGNITION TEMPERATURE:** N/A

F:  
C:

#### NFPA HAZARD CLASSIFICATION

HEALTH:1 FLAMMABILITY:0 REACTIVITY:0  
OTHER:

#### HMIS HAZARD CLASSIFICATION

HEALTH:1 FLAMMABILITY:0 REACTIVITY:0  
PROTECTION:

**EXTINGUISHING MEDIA:** DRY CHEMICAL, CO2, WATER SPRAY

**SPECIAL FIRE FIGHTING PROCEDURES:** DO NOT enter fire area without proper protection. Heat may build pressure and rupture closed containers.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** N/A

**HAZARDOUS DECOMPOSITION PRODUCTS:** N/A

**SECTION 5 NOTES:** Non-flammable water soluble

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**ACCIDENTAL RELEASE MEASURES:** Limit area to qualified personnel. Absorb all material with Dri-Sorb or other type of absorbent. Scoop or scrape up all material and place improper receptacle.

### SECTION 7: HANDLING AND STORAGE

Handle in accordance to good industrial hygiene and safety practice. Store containers between 40F and 100F. Store away from strong oxidizing agents.

**OTHER PRECAUTIONS:** Avoid contact with eyes.  
KEEP AWAY FROM CHILDREN

#### SECTION 7 NOTES:

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Ensure adequate ventilation in confined areas.

**VENTILATION:** Normal

**RESPIRATORY PROTECTION:** No special requirements

**EYE PROTECTION:** Chemical goggles

**SKIN PROTECTION:** Chemical resistant clothing or gloves when processing bulk amounts over 50 gallons.

#### OTHER PROTECTIVE CLOTHING OR EQUIPMENT

**WORK HYGIENIC PRACTICES:** Where gross exposure is experienced use good hygiene practices.

**EXPOSURE GUIDELINES:** N/A

#### SECTION 8 NOTES:

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Clear green liquid

**ODOR:** Fragranced

**PHYSICAL STATE:** Liquid

pH AS SUPPLIED: 7.0

pH (other):

BOILING POINT: F: 220 C: 104

**MELTING POINT:** N/A

**FREEZING POINT:** N/A

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### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES - cont.

VAPOR PRESSURE (mmHg): N/A

VAPOR DENSITY (AIR = 1): N/A

SPECIFIC GRAVITY (H<sub>2</sub>O = 1): 1.04 F: 72 C: 23

EVAPORATION RATE: N/A

BASIS (=1):

SOLUBILITY IN WATER: Complete

PERCENT SOLIDS BY WEIGHT: N/A

VOLATILE ORGANIC COMPOUNDS (VOC): N/A

MOLECULAR WEIGHT: N/A

VISCOSITY: N/A

SECTION 9 NOTES:

### SECTION 10: STABILITY AND REACTIVITY

STABILITY: STABLE UNSTABLE  
X

CONDITIONS TO AVOID (STABILITY): Strong acids and temperature > 200F

INCOMPATIBILITY (MATERIAL TO AVOID): Strong acids

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: N/A

HAZARDOUS POLYMERIZATION: N/A

CONDITIONS TO AVOID POLYMERIZATION: N/A

SECTION 10 NOTES:

### SECTION 11: TOXICOLOGICAL INFORMATION

#### TOXICOLOGICAL INFORMATION:

Component	LD50 oral	LC50 Inhalation	LD50 dermal
Trade Secret	4900 mg/kg (Rat)	-	-
Trade Secret	3300 mg/kg (Rat)	-	-
Trade Secret	1288 mg/kg (Rat)	-	-

SECTION 11 NOTES:

### SECTION 12: ECOLOGICAL INFORMATION

#### ECOLOGICAL INFORMATION:

SECTION 12 NOTES: This surfactant complies with the biodegradability criteria as laid down in regulation (EC) No. 648/2004 on detergents.

### SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of material in accordance to all State, Local and Federal regulations.

RCRA HAZARD CLASS: N/A

SECTION 13 NOTES:

### SECTION 14: TRANSPORT INFORMATION

#### U.S. DEPARTMENT OF TRANSPORTATION

PROPER SHIPPING NAME: Cleaning compound, NOI, Liquid

HAZARD CLASS: N/A

ID NUMBER: N/A

PACKING GROUP: N/A

LABEL STATEMENT: N/A

#### WATER TRANSPORTATION

PROPER SHIPPING NAME: Cleaning compound, NOI, Liquid

HAZARD CLASS: N/A

ID NUMBER: N/A

PACKING GROUP: N/A

LABEL STATEMENTS: N/A

#### AIR TRANSPORTATION

PROPER SHIPPING NAME: Cleaning compound, NOI, Liquid

HAZARD CLASS: N/A

ID NUMBER: N/A

PACKING GROUP: N/A

LABEL STATEMENTS: N/A

#### OTHER AGENCIES:

SECTION 14 NOTES:

### SECTION 15: REGULATORY INFORMATION

#### U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): Excluded

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): Excluded

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): Excluded

311/312 HAZARD CATEGORIES: Excluded

313 REPORTABLE INGREDIENTS: N/A

#### STATE REGULATIONS:

Subject to the reporting requirements under the Massachusetts Hazardous List.

Subject to reporting under the New Jersey right to know Hazardous Substance List.

Subject to the Pennsylvania Hazardous Substance List.

#### INTERNATIONAL REGULATIONS:

SECTION 15 NOTES:

### SECTIONS 16: OTHER INFORMATION

#### OTHER INFORMATION:

PREPARATION INFORMATION: Update MSDS

#### DISCLAIMER:

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