

# MATERIAL SAFETY DATA SHEET

## MANUFACTURER

Natures Lawn & Garden, Inc. 52 Sonwil Drive Buffalo, NY 14225

**EMERGENCY INFORMATION**  
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### SECTION I - PRODUCT IDENTIFICATION

**DATE PREPARED:** Jan. 2005  
**PRODUCT NAME:** Bio Enhanced 16-4-8  
**GENERAL/GENERIC ID:** LIQUID FERTILIZER For Lawns  
**DOT SHIPPING CLASS:** 70  
**HAZARD CLASSIFICATION:** Health-1, Fire-0, Reactivity- 0  
**HAZARD CLASSIFICATION KEY:** 0-least, 1-slight, 2-moderate, 3-high, 4-extreme

### SECTION II -HAZARDOUS INGREDIENTS

COMPONENT	CAS NUMBER	PERCENT	ACGIH TLV
NONE			

(\* ) INDICATES HAZARDOUS INGREDIENTS WHICH ARE TOXIC CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40 CFR 372. THE CHEMICAL NAME, CAS# AND PERCENT BY WEIGHT INFORMATION MUST BE INCLUDED IN ALL MSDS COPIED AND DISTRIBUTED FOR THIS MATERIAL.

### SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

**BOILING POINT (F):** 212 F  
**VAPOUR PRESSURE (mm Hg):** N/A  
**SOLUBILITY (in water):** COMPLETE  
**APPEARANCE AND ODOR:** COCOA BROWN LIQUID, FISH ODOR

**SPECIFIC GRAVITY:** 1.22 - 1.23  
**VAPOUR DENSITY (air=1):** N/A  
**EVAPORATION RATE:** N/A  
**pH OF CONCENTRATE:** 7.0

### SECTION IV - FIRE & EXPLOSION HAZARD DATA

**FLASH POINT (F):** None  
**FLAMMABLE LIMITS:** N/A  
**LEL:** N/A  
**VEL:** N/A  
**EXTINGUISHING MEDIA:** Water, water fog or foam.  
**SPECIAL FIRE FIGHTING PROCEDURES:** None  
**UNUSUAL FIRE & EXPLOSION HAZARDS:** None

### SECTION V - REACTIVITY DATA

**STABILITY:** Product is stable.  
**CONDITIONS TO AVOID:** None  
**MATERIALS TO AVOID:** Strong Acids or Alkali and strong Oxidizers.  
**HAZARDOUS DECOMPOSITION OR BYPRODUCTS:** Carbon Monoxide and Carbon Dioxide.  
**HAZARDOUS POLYMERIZATION:** Will not occur  
**CONDITIONS TO AVOID:** None

## SECTION VI - HEALTH HAZARD DATA

**ROUTE(S) OF ENTRY:**

**INHILATION:** NO      **SKIN:** NO      **INGESTION:** UNLIKELY

**HEALTH HAZARDS (ACUTE & CHRONIC):** Eye contact may cause irritation. Prolonged contact with skin may cause irritation or dermatitis in sensitive individuals.

**CARCINOGENICITY:** NO      **IARC MONOGRAPHS:** NO  
**OSHA REGULATED:** NO      **NTP:** NO

**SIGNS AND SYMPTOMS OF EXPOSURE:** Eye irritation. Dry and/or red itchy skin.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** None Known

**\*\*\*EMERGENCY AND FIRST AID PROCEDURES\*\*\***

**INGESTION:**DO NOT INDUCE VOMITING, CONTACT A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. OFFER SMALL AMOUNTS OF WATER OR MILK.

**EYE CONTACT:**FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.

**SKIN CONTACT:**FLUSH WITH WATER FOR 15 MINUTES. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.

## SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

**SPILL STEPS:** Contain spill and recover product for use or disposal.

**WASTE DISPOSAL METHOD:** If product can not be disposed of according to use directions on label, dispose of in accordance with local, state and federal regulations.

**STORAGE & HANDLING:** Store in a cool dry area. Keep container closed when not in use. Keep out of reach of children.

## SECTION VIII - CONTROL MEASURES

**RESPIRATORY PROTECTION:** If mist or dust conditions should be present use respirator approved by NIOSH.

**VENTILATION:** Adequate ventilation required to maintain fresh air flow.

**LOCAL EXHAUST:** Adequate

**EYES AND FACE:** Goggles or face shield

**HANDS, ARMS AND BODY:** Adequate clothing should be worn to prevent skin contact.

**WORK/HYGIENIC PRACTICES:** Wash all clothing before wearing. Wash all exposed skin surfaces with soap and water after using this product.

**SPECIAL CLOTHING AND EQUIPMENT:** Eye bath, safety shower and oxygen mask.

## WARRANTY

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