

# MATERIAL SAFETY DATA SHEET

## MANUFACTURER

Nature's Lawn & Garden, Inc. 52 Sonwil Dr. Buffalo, NY 14225

## EMERGENCY INFORMATION

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## SECTION I - PRODUCT IDENTIFICATION

DATE PREPARED: May 01, 2006

PRODUCT NAME: AERIFY PLUS

GENERAL/GENERIC ID: Soil Conditioner / Soil Enhancement

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	EXPOSURE OSHA - PEL
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(\* ) 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): 98 C

SPECIFIC GRAVITY: 1.03

VAPOR PRESSURE (mm Hg): N/E

VAPOR DENSITY (air=1): N/E

SOLUBILITY (in water): 100%

EVAPORATION RATE: N/E

pH OF CONCENTRATE: 9 (1% SOL)

APPEARANCE AND ODOR: Dark Brown / black Liquid

## SECTION IV - FIRE & EXPLOSION HAZARD DATA

FLASH POINT (F): N/A

FLAMMABLE LIMITS: N/A

LEL: NOT DETERMINED

VEL: NOT DETERMINED

EXTINGUISHING MEDIA: DRY CHEMICAL, ALCOHOL-RESISTANT FOAM, OR WATER SPRAY/FOG

SPECIAL FIRE FIGHTING PROCEDURES: SELF CONTAINED POSITIVE PRESSURE BREATHING APPARATUS

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: None

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: None

## SECTION VI - HEALTH HAZARD DATA

### ROUTE(S) OF ENTRY:

**INHILATION:** yes      **SKIN:** yes      **INGESTION:** UNLIKELY

### HEALTH HAZARDS (ACUTE & CHRONIC):

**ACUTE:** Vapors and mist irritate nose and throat. Inhalation of high concentrations may cause headaches, vomiting and coma. Prolonged exposure may cause unconsciousness or death. Liquid and mists can severely irritate or damage eyes and cause corneal burns. prolonged or repeated skin contact may cause irritation and dermatitis. Swallowing large quantities causes headaches, nausea, vomiting, stomach cramps and diarrhea, and can cause unconsciousness or death.

**CHRONIC:** Prolong or repeated exposure to high concentrations can produce severe or fatal central nervous system depression.

### CARCINOGENICITY:

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

**SIGNS AND SYMPTOMS OF EXPOSURE:** Eye and skin irritation, headache, nausea, and vomiting. Prolonged or repeated exposure may cause unconsciousness or death.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** Persons with pre-existing skin disorders, eye problems, or impaired respiratory function may be more susceptible to the effects of this substance.

### \*\*\*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.

**INHALATION:** REMOVE VICTIM TO FRESH AIR, ADMINISTER OXYGEN IF BREATHING IS DIFFICULT. APPLY ARTIFICIAL RESPIRATION IF VICTIM IS NOT BREATHING. GET IMMEDIATE MEDICAL ATTENTION.

## SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

**SPILL STEPS:** Remove all sources of ignition. Contain spill by diking with absorbent material. Recover for reuse or absorb small spills on absorbent material and dispose of in approved waste disposal containers. Soak up liquid and contain. Rinse the area of spill several times. Slight foaming action will occur. Repeated rinsing will reduce slick surface.

**WASTE DISPOSAL METHOD:** Dispose of in accordance with local, state and federal regulations.

**STORAGE & HANDLING:** Store in a cool dry area away from heat. Keep container closed when not in use. Do not reuse container. 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. Product will stain clothing. Do not spill on clothing. May not wash out of clothing completely

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

## WARRANTY

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