

# MATERIAL SAFETY DATA SHEET

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Scotts® Aqua-Gro® L with PsiMatric™ Technology

## 1. PRODUCT AND COMPANY IDENTIFICATION

### PRODUCT NAME:

Scotts® Aqua-Gro® L with PsiMatric™ Technology

**PRODUCT DESCRIPTION:** Non-ionic surfactant blend, liquid media wetting agent

### MANUFACTURER

The Scotts Company  
Hyponex - Miracle Gro - Scotts Sierra  
14111 Scottslawn Road  
Marysville, OH 43041  
Customer Service: 1-800-225-2883

### 24 HR. EMERGENCY TELEPHONE NUMBERS

CHEMTREC (U.S.): (800) 424-9300  
International: 1-703-527-3887  
Emergency Phone: 1-937-644-0011

### COMMENTS:

Applicable Product Code/Stock Number: 96122, 96132, 96144, 96154, and 96176.

## 2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS#</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Non-ionic surfactant blend	- -*	None	None
Water	7732-18-5	None	None
Dioxane	123-91-1	100 ppm	90 mg/m <sup>3</sup>
Ethylene oxide	75-21-8	1 ppm	1.8 mg/m <sup>3</sup>
Propylene oxide	75-56-9	100 ppm	48 mg/m <sup>3</sup>

### COMMENTS:

\*Consists of alkoxyated polyols.

## 3. HAZARDS IDENTIFICATION

## **EMERGENCY OVERVIEW**

### **PHYSICAL APPEARANCE:**

Hazy liquid, slight odor

### **IMMEDIATE CONCERNS:**

CAUTION: May cause skin and eye irritation!

## **POTENTIAL HEALTH EFFECTS**

### **EYES:**

Slightly irritating.

### **SKIN:**

Slightly irritating.

### **INGESTION:**

Practically non-toxic. May cause gastrointestinal irritation, nausea, diarrhea, or vomiting.

### **INHALATION:**

Mists may cause upper respiratory tract irritation.

### **ROUTES OF ENTRY:**

Routes of exposure for liquids include eye, skin, ingestion, and inhalation.

### **COMMENTS:**

KEEP OUT OF REACH OF CHILDREN.

## **4. FIRST AID MEASURES**

### **EYES:**

DO NOT RUB EYES. Immediately flush eyes with large amounts of water for 15 minutes lifting the lower and upper lids. Seek medical attention if necessary.

### **SKIN:**

Remove contaminated clothing and immediately wash affected area with large amounts of water for at least 5 minutes. If irritation or redness persists, seek medical attention as needed.

### **INGESTION:**

If person is conscious and alert, give 1-2 glasses of water to drink. Do not give anything by mouth to an unconscious person. Seek medical attention. Do not leave person unattended. Induce vomiting only upon advice of a physician.

### **INHALATION:**

Not an expected route of exposure. If respiratory irritation or stress develops, remove individual to fresh air. Seek medical attention if necessary.

### **NOTES TO PHYSICIAN:**

All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred. Treat symptomatically. No specific antidote is available.

### **ADDITIONAL INFORMATION:**

Skin contact may aggravate existing skin conditions/diseases.

## **5. FIRE FIGHTING MEASURES**

### **FLASHPOINT AND METHOD:**

>93°C (200°F) Penskey-Martens CC

### **FLAMMABLE LIMITS:**

Not available

**FLAMMABLE CLASS:**

WILL BURN

**EXTINGUISHING MEDIA:**

Dry chemical, carbon dioxide, and/or foam are recommended.

**EXPLOSION HAZARDS:**

Product will burn under fire conditions.

**FIRE FIGHTING PROCEDURES:**

Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus (SCBA) and full protective clothing.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Oxides of carbon.

## 6. ACCIDENTAL RELEASE MEASURES

**ENVIRONMENTAL PRECAUTIONS****WATER SPILL:**

Do not flush to drain. Spills may be reportable to the Scotts Customer Services (800-225-2883).

**GENERAL PROCEDURES:**

Control spill with dykes and absorb with absorbent pads or booms. If necessary, apply an inert granular or loose absorbent to spill. When absorbed, sweep or otherwise collect into recovery drums and dispose of properly.

## 7. HANDLING AND STORAGE

**HANDLING:**

Avoid direct or prolonged contact with eyes and skin. Avoid breathing vapors or mists. Ethylene oxide may collect in container head space. Although concentrations are expected to remain below established exposure limits, provide adequate ventilation when accessing or working with open containers and tanks.

**STORAGE:**

Store in tightly closed containers. Store in an area that is dry, well-ventilated, away from ignition sources, and away from incompatible materials. **KEEP OUT OF REACH OF CHILDREN.**

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:**

When engineering controls are mandated by use conditions or a potential for exposure exists, minimize exposure to employees with general area dilution or exhaust ventilation.

**PERSONAL PROTECTIVE EQUIPMENT****EYES AND FACE:**

Wear appropriate protective safety goggles/glasses as described in 29 CFR 1910.133. A full-face shield and eyewash station are recommended.

**SKIN:**

Skin contact should be minimized through use of appropriate clothing and suitable long-sleeved clothing (i.e., shirts and pants). Consideration must be given both to durability as well as permeation resistance. USDA accepted Nitrile (CFR-20) or neoprene rubber (CFR-21) gloves are recommended.

**RESPIRATORY:**

When work conditions are such that aerosols or mists may be generated or present, use a suitable NIOSH/MSHA approved respirator. Under normal conditions with adequate ventilation, no protection is necessary.

**WORK HYGIENIC PRACTICES:**

Personal hygiene is an important work practice exposure control measure and the following general measures should be taken when working with or handling this material.

1. Do not store, use, and/or consume food, beverages, tobacco products, or cosmetics in area where this material is stored.
2. Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
3. Wash exposed skin promptly to remove accidental splashes of contact with this material.

**OTHER USE PRECAUTIONS:**

No exposure limits were found for this product or any of its ingredients.

**COMMENTS:**

These recommendations provide general guidance for handling this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. While developing safe handling procedures, do not overlook the need to clean equipment and piping systems for maintenance and repairs.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:**

Liquid

**ODOR:**

Slight odor

**APPEARANCE:**

Hazy liquid

**pH:**

5.0 to 7.0(5% solution)

**VAPOR PRESSURE:**

Not Established

**VAPOR DENSITY:**

Not Applicable

**FREEZING POINT:**

<20°C (68°F)

**SPECIFIC GRAVITY:**

1.02 to 1.04 at 23°C (73°F)

**COMMENTS:****WATER SOLUBILITY:**

Dispersible

## 10. STABILITY AND REACTIVITY

**STABLE:**

YES

**HAZARDOUS POLYMERIZATION:**

NO

**CONDITIONS TO AVOID:**

Keep away from heat, sparks and open flames.

**POLYMERIZATION:**

Will not occur

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Thermal - Oxides of carbon.

**INCOMPATIBLE MATERIALS:**

Avoid contact with strong oxidizing agents and strong bases.

## 11. TOXICOLOGICAL INFORMATION

**ACUTE**

**EYES:**

Eye irritation, (rabbit). Slightly irritating.

**DERMAL LD<sub>50</sub>:**

No dermal LD50 data available. Skin irritation (rabbit): slightly irritating.

**ORAL LD<sub>50</sub>:**

Oral LD50 (rat): 5500 mg/kg.

**INHALATION LC<sub>50</sub>:**

No data available.

**GENERAL COMMENTS:**

Ethylene Oxide is considered a possible human carcinogen by IARC, NTP, & OSHA. Dioxane and Propylene Oxide were considered to be suspect human carcinogens.

## 12. ECOLOGICAL INFORMATION

**ECOTOXICOLOGICAL INFORMATION:**

No data available

## 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:**

Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or inappropriate. Please be advised that state and local requirements for waste disposal may be more restrictive or different from federal laws and regulations. Consult state and local regulations regarding the proper disposal of this material.

## **GENERAL COMMENTS:**

Any containers or equipment should be decontaminated immediately after use.

## **14. TRANSPORT INFORMATION**

### **DOT (DEPARTMENT OF TRANSPORTATION)**

#### **PROPER SHIPPING NAME:**

This product is not DOT regulated

#### **OTHER SHIPPING INFORMATION:**

The listed Transportation Classification does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors.

## **15. 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 CHRONIC: NO**

#### **TITLE III NOTES:**

Glycol ethers (per the current EPA definition) at a level estimated to be 4%.

#### **PROPOSITION 65 STATEMENT:**

This product may contain trace amounts of the following materials that are regulated under California Proposition 65: Ethylene Oxide, 1,4-dioxane, Propylene Oxide.

## **16. OTHER INFORMATION**

### **REVISION SUMMARY**

New MSDS

### **NFPA CODES**

#### **HEALTH:**

1 FIRE: 1 REACTIVITY: 0

### **HMIS CODES**

#### **HEALTH:**

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**MANUFACTURER DISCLAIMER:**

The information contained herein is, to the best of Scott's knowledge and belief, accurate and reliable as of the date of preparation of this document. However, no warranty or guarantee, express or implied, is made as to the accuracy or reliability, and Scotts shall not be liable for any loss or damage arising out of the use thereof. No authorization is given or implied to use any patented invention without a license. In addition, Scotts shall not be liable for any damage or injury resulting from abnormal use, from any failure to adhere to recommended practices or from any hazards inherent in the nature of the product.

**COMMENTS:**

For additional information concerning product use, call The Scotts Company Consumer Services at 800-225-2883. Use of this product is regulated by the U.S. Environmental Protection Agency (EPA) through the approved product label. It is a violation of Federal law to use this product in a manner inconsistent with its labeling.