



AquaGro 2000[®] M

Material Safety Data Sheet

1. HAZARDOUS INGREDIENTS

Composition: Non-ionic surfactant blend – > 99% by weight

WHMIS Classification: Subdivision B (Skin or Eye Irritant) of Division 2 (Materials Causing Other Toxic Effects) of Class D (Poisonous and Infectious Material) based on Acute Dermal Irritation Toxicity.

Chemical Abstract Service (CAS) Number: 67906-07-4

EMERGENCY OVERVIEW:

Warning Statements: WARNING: SEVERE EYE IRRITANT!

TOXICOLOGICAL INFORMATION:

Acute Dermal Toxicity: LD₅₀ = lethal dose 50% of test species, 2,000 mg/kg - rabbit

Acute Inhalation Toxicity: No test data available for this product.

Acute Oral Toxicity: LD₅₀ = lethal dose 50% of test species, 300 mg/kg - rat

2. PREPARATION INFORMATION

Date of Preparation: September 27, 2011

Supersedes Date: January 17, 2011

Prepared By: Aquatrols Corporation of America

3. PRODUCT INFORMATION

PRODUCT AND COMPANY DESCRIPTION:

Manufacturer: Aquatrols Corporation of America
1273 Imperial Way
Paulsboro, NJ 08066 USA

For Product Information: (800) 257-7797 or (856) 537-6003
Internet Address: www.aquatrols.com

Emergency Phone Number: For chemical emergency spill, leak, fire, exposure or accident, call CHEMTREC Day or Night: Domestic North America 800-424-9300. International call 703-527-3887 (collect calls accepted).

Chemical Name or Synonym: Non-ionic surfactant

Product Use: Soil-less media wetting agent

4. PHYSICAL DATA

Physical and chemical properties here represent typical properties of this product. Contact the Quality Control Department using the Product Information phone number in Section 3 for exact specifications.

PHYSICAL AND CHEMICAL PROPERTIES:

Physical Appearance: Clear, viscous liquid

Odor: Phenolic odor

Odor Threshold: Not established

pH: 5.5 – 7.5 @ 5 wt/wt%

Specific Gravity: 1.049 @ 25°C (77°F)

Water Solubility: Soluble

Evaporation Rate: Not established

Freezing Point: < 0°C (32°F)

Boiling Point: >71 C at 760 mmHg

Vapor Pressure: < 0.1mmHg @ 25°C (77°F)

Vapor Density: not available

Percent Volatiles (vol.): <1

Weight per Gallon:

Coefficient of water/oil distribution: N/A

5. FIRE OR EXPLOSION HAZARD

FIRE HAZARD DATA:

Conditions of Flammability: Combustible if heated

Extinguishing Media: Dry chemical, carbon dioxide, and/or foam are recommended

Flash Point: > 93°C (200°F) Flammability class: WILL BURN

Method Used: Pensky-Martens Closed Cup

Flammability Limits (vol/vol%): Lower: Not established **Upper:** Not established

Auto-Ignition Temperature: Not established

Special Fire Fighting Procedures: Firefighters should wear NIOSH/MSHA approved self-containing breathing apparatus and full protective clothing.

Unusual Fire and Explosion Hazards: Product will burn under fire conditions

Hazardous Decomposition Materials (Under Fire Conditions): Oxides of carbon

6. REACTIVITY DATA

STABILITY AND REACTIVITY DATA:

Chemical Stability: This material is stable under normal handling and storage conditions described in Section 8.

Conditions to be Avoided: Heat, open flame and spark.

Materials/Chemicals to be Avoided: Strong oxidizing agents, strong reducing agents.

Hazardous Decomposition Products: Oxides of carbon.

Hazardous Polymerization: Will not occur.

7. TOXICOLOGICAL PROPERTIES

POTENTIAL HEALTH EFFECTS:

Primary Route(s) of Entry: Routes of entry for liquid and solids include eye and skin contact, ingestion and inhalation.

EFFECTS OF OVEREXPOSURE:

Acute Eye: Severe irritant. Can cause redness and/or irritation.

Acute Skin: Low acute dermal toxicity. Slightly irritating. May cause redness or irritation with prolonged contact.

Acute Inhalation: Inhalation not likely. Mists may cause upper respiratory tract irritation.

Acute Ingestion: Low acute oral toxicity. May cause nausea, diarrhea, and abdominal cramps.

Chronic Effects: This product does not contain any ingredient designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens.

Exposure Guidelines: No exposure limits have been established for this product.

TOXICOLOGICAL INFORMATION:

Acute Eye Irritation: Severely irritating - Rabbit.

Acute Skin Irritation: Slightly irritating - Rabbit.

Acute Dermal Toxicity: LD₅₀ = lethal dose 50% of test species, 2,000 mg/kg – rabbit.

Acute Respiratory Irritation: No test data available for this product.

Acute Inhalation Toxicity: No test data available for this product.

Acute Oral Toxicity: LD₅₀ = lethal 50% of test species, 300 mg/kg - rat.

Chronic Toxicity: .

8. PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:

Introductory Remarks: 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.

Respiratory Protection: When respirators are required, select NIOSH/MSHA approved equipment based on actual or potential airborne concentrations in accordance with the appropriate regulatory standards and/or industrial recommendations. For reasonable foreseeable industrial end uses of this material, respiratory protection should not be necessary.

Eye/Face Protection: Requirements will vary dependent upon work environment conditions and material handling practices. Appropriate ANSI Z87 approved equipment should be selected for the particular use intended for this material. Eye contact should be prevented through use of chemical safety glasses with side shields or splash proof goggles. An emergency eye wash must be readily accessible to the work area.

Skin Protection: 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.

Engineering Controls: Where engineering controls are indicated by use conditions or a potential for exposure exists, the following traditional exposure control techniques may be used to effectively minimize employee exposures: general area dilution/exhaust ventilation.

Work Practice Controls: Personal hygiene is an important 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 foods, beverages, tobacco products or cosmetics in areas 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.

ACCIDENTAL RELEASE MEASURES:

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

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

HANDLING AND STORAGE:

Handling: Avoid breathing vapors and mists. Avoid direct or prolonged contact with skin and eyes. Use non-sparking tools and grounded/bonded equipment and containers when transferring. In cold weather, this product may stratify and freeze. This does not damage the product. If freezing occurs, thaw and remix

PREVENTIVE MEASURES CONT'

before using. Frozen material may be thawed in a warm room. Avoid localized overheating. Vent drums while heating. Mix thoroughly to assure homogeneity. 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 (see Section 6: Stability and Reactivity).

Storage: Keep containers closed. Store in a cool, dry, well-ventilated area.

Special Shipping Information: N/A (U.S. Department of Transportation Shipping Name: Non-regulated)

9. FIRST AID MEASURES

Eye Exposure: 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 Contact: Remove contaminated clothing and immediately wash affected area with large amounts of soap and water for at least 5 minutes. Clean contaminated clothing and shoes before re-use. If irritation or redness persists, seek medical attention as needed.

If Swallowed: If victim 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 victim unattended.

Inhalation: If respiratory irritation or distress occurs remove victim to fresh air. Seek medical attention if respiratory irritation or distress continues.

Medical Conditions Possibly Aggravated by Exposure: Skin contact may aggravate existing skin conditions.

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 available.

Disclaimer: While the information and recommendations set forth herein are believed to be accurate, we make no warranty with respect hereto and disclaim all liability from reliance thereon.

End of MSDS Document