



AquaGro L with PsiMatric™ Technology

Material Safety Data Sheet Date Prepared: March 8, 2006

Supersede Date: March 1, 2005

1. CHEMICAL PRODUCT AND COMPANY DESCRIPTION

AQUATROLS CORPORATION OF AMERICA
1273 IMPERIAL WAY
PAULSBORO, NJ 08066 USA

Emergency Phone Numbers:

For emergencies involving a spill, leak, fire, exposure or accident, contact CHEMTREC (800-424-9300 within the United States or 703-527-3887 for international collect calls).

For Product Information: 800-257-7797 or www.aquatrols.com

Chemical Name or Synonym: Non-ionic surfactant blend, liquid media wetting agent

C.A.S. Number: Mixture – No single CAS number available.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Reg Number	Weight%	**Exposure Limits**	
			OSHA Hazard	ACGIH/TLV
Non-ionic surfactant blend	Proprietary*	> 99	NO	Not established
Water	7732-18-5	< 1	NO	N/A
Dioxane	123-91-1	< 0.001	YES	90 mg/m ³
Ethylene Oxide	75-21-8	< 0.001	YES	1.8 mg/m ³
Propylene Oxide	75-56-9	< 0.001	YES	48 mg/m ³

* Trade secret as allowed by 29 CFR 1910.1200-48

3. HAZARDS IDENTIFICATION

A. Emergency Overview:

Physical Appearance and Odor: Hazy liquid, slight odor

Warning Statements: Based on currently available data, this product does not meet the regulatory definition of a hazardous substance. However, good industrial hygiene practices should be used in handling it.

B. Potential Health Effects:

Primary Route of Entry: Routes of entry for liquids include eye and skin contact, ingestion and inhalation.

Effect of Overexposure:

- Acute Eye: Slightly irritating. Can cause redness or irritation.
- Acute Skin: Low acute dermal toxicity. Slightly irritating. May cause redness, irritation.
- Acute Inhalation: Inhalation not likely. Mists may cause upper respiratory tract irritation.
- Acute Ingestion: Practically non-toxic.

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





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4. FIRST AID MEASURES

EYE CONTACT: 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 irritation develops or persists or if visual changes occur.

SKIN CONTACT: 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.

IF SWALLOWED: If person is conscious, give 1-2 glasses of water to drink. Seek medical attention. Do not leave victim unattended. Induce vomiting only upon advice of a physician.

INHALATION: Not an expected route of exposure. If respiratory irritation or distress occurs, remove victim to fresh air. Seek medical attention if necessary.

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

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.

5. FIRE FIGHTING MEASURES

Flash Point: > 93°C (200°F) **Flammability Class:** WILL BURN **Method Used:** Pensky-Martens Closed Cup

Flammability Limits (vol/vol%): Lower: No data available Upper: No data available

Extinguishing Media:

Recommended:

Small fires – dry chemical, carbon dioxide

Large fires – alcohol foam, universal foam, water spray

Not Recommended:

Water jet (frothing possible)

Special Fire Fighting Procedures: Firefighters should wear NIOSH/MSHA approved self-contained breathing apparatus (SCBA) 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. ACCIDENTAL RELEASE MEASURES

Evacuation Procedures and Safety: Wear appropriate protective gear for the situation. See Personal Protection information in Section 8.

Containment of Spill: Follow procedure described under Cleanup and Disposal of Spill.

Cleanup and Disposal of Spill: Absorb with an inert absorbent. Sweep up and place in an appropriate closed container (see Section 7: Handling and Storage). Clean up residual material by washing area with water. Collect washing for disposal.

Environmental and Regulatory Reporting: Do not flush to drain. Spills may be reportable to the National Response Center (800-424-8802) and to state and/or local agencies.



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7. HANDLING AND STORAGE

Minimum/Maximum Storage Temperature: Not available.

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 (see Section 10 for Stability and Reactivity).

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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. Waste resulting from these procedures should be handled in accordance with Section 13: Disposal Considerations.

Exposure Guidelines: No exposure limits were found for this product or any of its' ingredients.

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.

Respiratory Protection: 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.

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

Skin Protection: Skin contact should be minimized through use of gloves and suitable long-sleeved clothing (i.e., shirts and pants). Consideration must be given both to durability as well as permeation resistance.

Work Practice Controls 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical properties here represent typical properties of this product. Contact the business area using the Product Information phone number in Section 1 for its exact specifications.

Physical Appearance: Hazy liquid
Odor: Slight odor
pH: 5.0 – 7.0 @ 5 wt/wt %
Specific Gravity/Density: 1.02 – 1.04 g/ml @ 73°F (23°C)



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Water Solubility:	Dispersible
Melting Point Range	Not available
Freezing Point Range:	< 68°F (20°C)
Boiling Point Range:	Not available
Vapor Pressure:	Not available
Vapor Density:	Not available
Percent Non-volatiles by Weight:	> 99
Percent volatiles by Volume:	<1
Molecular Weight:	2500 to 2900

10. STABILITY AND REACTIVITY

Chemical Stability:	This material is stable under normal handling and storage conditions described in Section 7.
Conditions to be Avoided:	Keep away from heat, sparks, open flames.
Materials/Chemical to be Avoided:	Avoid contact with strong oxidizing agents and strong bases.
The following Hazardous Decomposition Products might be Expected:	
Decomposition Type: Thermal	Oxides of carbon
Hazardous Polymerization:	Will not occur
Avoid the Following to Inhibit Hazardous Polymerization:	N/A

11. TOXICOLOGICAL INFORMATION

Acute Eye Irritation:	The following data is for similar or related products. Toxicological Information and Interpretation: Eye – eye irritation, rabbit. Slightly irritating.
Acute Skin Irritation:	The following data is for similar or related products. Toxicological Information and Interpretation: Skin – skin irritation, rabbit. Slightly irritating.
Acute Dermal Toxicity:	Toxicological Information and Interpretation: No test data found for product.
Acute Respiratory Irritation:	Toxicological Information and Interpretation: No test data found for product.
Acute Inhalation Toxicity:	Toxicological Information and Interpretation: No test data found for product.
Acute Oral Toxicity:	The following data is for similar or related products. Toxicological Information and Interpretation: LD ₅₀ – lethal dose to 50% of test species, 5500 mg/kg, rat.
Chronic Toxicity:	Toxicological Information and Interpretation: This product does not contain any substances that are considered by OSHA, NTP, IARC, or ACGIH to be “probable” or “suspected” human carcinogens.

No additional test data found for product.

12. ECOLOGICAL INFORMATION

Ecotoxicity Information:	No data found for product.
Environmental Fate Information:	No data found for product.
Chemical/Physical Information:	No data found for product.



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13. DISPOSAL CONSIDERATIONS

Waste 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.

Container Handling and Disposal: Any containers or equipment should be decontaminated immediately after use.

EPA Hazardous Waste - NO

14. TRANSPORTATION INFORMATION

Transportation Status: Statements below provide additional data on listed DOT classification. The listed Transportation Classification does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptors.

US Department of Transportation Shipping Name: NOT REGULATED

15. REGULATORY INFORMATION

Inventory Status:

Inventory	Status
UNITED STATES (TSCA)	Y
CANADA (DSL)	Y
EUROPE (EINECS/ELINCS)	P
AUSTRALIA (AICS)	Y
JAPAN (MITI)	Y
SOUTH KOREA (KECL)	Y

Y: All ingredients are on the inventory.

E: All ingredients are on the inventory or exempt from listing.

P: One or more ingredients fall under the polymer exemption or are on the no longer polymer list. All other ingredients are on the inventory or exempt from listing.

N: Not determined or one or more ingredients are not on the inventory and are not exempt from listing.

FEDERAL REGULATIONS:

Inventory Issues: All functional components of this product are listed on the TSCA inventory.

SARA Title III Hazard Classes:

Fire Hazard	NO
Reactive Hazard	NO
Release of Pressure	NO
Acute Health Hazard	NO
Chronic Health Hazard	NO



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STATE REGULATIONS: This product contains the following components that are regulated under **California Proposition 65:**

Ingredient	Cancer	Reprod.	No Sig. Risk Lvl (ug/day)	
	List	List	California	RPI
Ethylene Oxide	Y	Y	2	ND
1,4-dioxane	Y	N	30	ND
Propylene Oxide	Y	N	3	ND

16. OTHER INFORMATION

NFPA - National Fire Protection Association Hazard Ratings

- 1 Health - Slight
- 1 Flammability - Slight
- 0 Instability – Minimal
- B Personal Protection

HMIS - Hazardous Materials Identification System

- 1 Health - Slight
- 1 Flammability - Slight
- 0 Physical Hazard
- B Personal Protection

Key Legend Information:

- ACGIH American Conference of Governmental Industrial Hygienists
- OSHA Occupational Safety and Health Administration
- TLV Threshold Limit Value
- PEL Permissible Exposure Limit
- TWA Time Weighted Average
- STEL Short-Term Exposure Limit
- NTP National Toxicology Program
- IARC International Agency for Research on Cancer
- ND Not determined

Reason for Revisions: Activate in market place, April 1, 2006. This MSDS replaces March 1, 2005, MSDS.

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