



AquaGro® 2000•Granular

Material Safety Data Sheet Date Prepared: March 1, 2005

Supersedes Date: November 14, 2003

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: 1-800-257-7797 www.aquatrols.com

Chemical Name or Synonym: Granular non-ionic surfactant, media wetting agent

C.A.S. Number: Mixture – no single C.A.S. number available.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Reg Number	Weight%	**Exposure Limits**	
			OSHA/PEL	ACGIH/TLV
Non-ionic surfactant	Proprietary*	30	Not established	Not established
Vermiculite (carrier)	001318-00-9	70	15 mg/m3	10 mg/m3

* Trade secret as allowed by 29 CFR 1910.1200-48

3. HAZARDS IDENTIFICATION

A. Emergency Overview:

Physical Appearance and Odor: Fine, grey-brown free flowing aggregate, slight earthy odor

Warning Statements: CAUTION – EYE IRRITANT!

B. Potential Health Effects:

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

Effect of Overexposure:

- Acute Eye:** Irritant. Can cause redness or irritation.
- Acute Skin:** Slightly irritating. Prolonged or repeated skin contact may result in slight, temporary irritation.
- Acute Inhalation:** Dust that may be released during handling may cause symptoms typical of nuisance dusts, including coughing, sneezing, and minor respiratory irritation.
- Acute Ingestion:** Surfactant blend may cause gastrointestinal irritation, nausea, diarrhea, or vomiting. Carrier is not considered harmful by ingestion.
- 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 necessary.

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 large amounts of water to drink. Seek medical attention if necessary. Induce vomiting only upon advice from a physician.

INHALATION: Move individual to fresh air and check to assure adequate respiration. 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:** Cleveland Open Cup

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

Extinguishing Media: Use water spray, dry chemical, carbon dioxide, and/or foam are recommended.

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: See Personal Protection information in Section 8.

Containment of Spill: Follow procedure described below.

Cleanup and Disposal of Spill: Sweep or otherwise collect into recovery drums and dispose of properly. Dampen with water spray to avoid creating dust. See Waste Disposal information in Section 13. (A comprehensive spill response plan should be developed and implemented).

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 established.

Handling: Avoid direct or prolonged contact with eyes and skin. Avoid breathing dusts and particulates. Avoid excessive handling of empty packaging which may result in unnecessary release of airborne particulates. Use non-sparking tools and grounded/bonded equipment and containers when transferring.

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 information.

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 dusts or particulates may be generated or present, use a suitable NIOSH/MSHA approved respirator (Type TC-21C-XXX). Under normal conditions with adequate ventilation, no protection is necessary.

Eye/Face Protection: Wear appropriate protective safety goggles as described in 29 CFR 1910.133. An station is recommended.

Skin Protection: Skin contact should be minimized through use of appropriate clothing and suitable long-sleeved clothing (i.e., shirts and pants) and work gloves.

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: Fine, grey-brown free flowing aggregate

Odor: Slight earthy

pH (surfactant blend): 5.0 – 7.0 (5% solution)

Specific Gravity: Not applicable

Water Solubility: Surfactant blend is miscible, carrier is insoluble

Freezing Point Range: Not applicable



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Boiling Point Range: Not applicable
Vapor Pressure: Not established
Vapor Density (air = 1): > 1
Viscosity: Not established

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 and open flames.

Materials/Chemical to be Avoided: Avoid contact with strong oxidizing agents.

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:

Toxicological Information and Interpretation: Eye irritant (rabbit).

Acute Skin Irritation:

Toxicological Information and Interpretation: Not a primary irritant. LD₅₀ > 2000 mg/kg.

Acute Dermal Toxicity:

Toxicological Information and Interpretation: No data available.

Acute Respiratory Irritation:

Toxicological Information and Interpretation: No data available.

Acute Inhalation Toxicity:

Toxicological Information and Interpretation: No data available.

Acute Oral Toxicity:

Toxicological Information and Interpretation: LD₅₀ (rat) = 5000 mg/kg.

Chronic Toxicity:

Toxicological Information and Interpretation: No data available.

12. ECOLOGICAL INFORMATION

Ecotoxicity Information: No data available

Environmental Fate Information: No data available

Chemical/Physical Information: No data available

Waste Disposal Method: Dispose of wastes in a manner consistent with federal, state, and local regulation.



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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.

14. TRANSPORTATION INFORMATION

US Department of Transportation Shipping Classification: Cleaning compound NOI

Hazard Class: None

15. REGULATORY INFORMATION

Inventory Status:

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

- 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 Section 313: This product contains the following material regulated under SARA Title III Section 313: Glycol ethers (per the current EPA definition) at a level estimated to be 1.2%.

SARA Title III Hazard Classes:

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

OTHER FEDERAL REGULATIONS:

FDA Status: N/A

FIFRA Status: N/A

STATE REGULATIONS: This product may contain trace amounts of the following materials that are regulated under **California Proposition 65:**



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

WHMIS: This product is considered to be a D2B irritant.

16. OTHER INFORMATION

National Fire Protection Association Hazard Ratings – NFPA (R):

- 1 Health Hazard Rating -- Slight
- 1 Flammability Rating -- Slight
- 0 Reactivity Rating -- Minimal
- E Personal Protective Equipment

National Paint and Coating Hazardous Materials Identification System - HMIS(R):

- 1 Health Hazard Rating -- Slight
- 1 Flammability Rating -- Slight
- 0 Reactivity Rating -- Minimal
- E Personal Protective Equipment

Reason for Revisions: Company location change. This MSDS replaces the November 4, 2003, MSDS.

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

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