Aquatrols

Aqueduct®

Material Safety Data Sheet **Date Prepared: May 16, 2012** **Supersedes 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)
For Product Information: 800-257-7797 or www.aquatrols.com
Chemical Name or Synonym: Non-ionic surfactant blend, soil surfactant
C.A.S. Number: Mixture – no single C.A.S. number available.
National Fire Protection Association Hazard Ratings – NFPA(R)
Health: 1 Flammability: 1 Reactivity: 0

2. COMPOSITION/INFORMATION ON INGREDIENTS

			Exposure Limits	
Component	**CAS Reg Number**	**Weight %**	**OSHA/PEL**	**ACGIH/TLV**
Blend of Non-ionic Polyols	Proprietary	50%	Not established	Not established
1,2-Propanediol	57-55-6	5%	Not established	Not established
Water	7732-18-5	45%	Not established	Not established

- Trade secret as allowed by 29 CFR 1910.1200-48

3. HAZARDS IDENTIFICATION

A. Emergency Overview:

Physical Appearance and Odor: Clear liquid, mild polyol odor
Warning Statements: CAUTION: May cause irritation!

B. Potential Health Effects:

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

Acute Eye: Contact with eyes may result in temporary irritation.
Acute Skin: Prolonged or repeated skin contact may result in slight, temporary irritation.
Acute Inhalation: Inhalation of vapors or mists may result in respiratory irritation.
Acute Ingestion: Ingestion of large amounts will result in diarrhea and weakness.
Chronic Effects: There are no known chronic effects associated with this material.

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: 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:
No data is available which addresses medical conditions that are generally recognized as being aggravated by exposure to this product.
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.

5. FIRE FIGHTING MEASURES

FIRE HAZARD DATA:

Flash Point: > 200°F (93°C)
Method Used: Cleveland Open Cup
Flammability Limits (vol/vol%): **Lower:** Not established **Upper:** Not established
Extinguishing Media: Use water fog, foam, dry chemical, or carbon dioxide extinguishing media.
Special Fire Fighting Procedures: Firefighters should be equipped with self-contained breathing apparatus and turn out gear.
Unusual Fire and Explosion Hazards: There are no known unusual fire or explosion hazards.
Hazardous Decomposition Materials (Under Fire Conditions): None known.

6. ACCIDENTAL RELEASE MEASURES

Evacuation Procedures and Safety: Wear appropriate respiratory protection and protective gear for the situation and provide adequate ventilation during clean up. See Personal Protection information in Section 8.
Containment of Spill: Spills should be contained, solidified and placed in suitable containers for disposal in a licensed facility.
Cleanup and Disposal of Spill: Incinerate or bury in a licensed facility. Do not discharge into waterways or sewer systems without proper authority.
Environmental and Regulatory Reporting: This material is not regulated by RCRA or CERCLA ("Superfund").

7. HANDLING AND STORAGE

Minimum/Maximum Storage Temperature: Not established.
Handling: Avoid inhalation of vapor or mist. Avoid contact with eyes and skin. Use only with adequate ventilation. Practice proper personal hygiene.
Storage: Keep containers closed. Store in a cool, dry, well-ventilated area, away from incompatible substances.

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: Use adequate general or local exhaust ventilation to keep airborne concentrations to a minimum.

Respiratory Protection: Use approved organic vapor mist respirator as necessary.

Eye/Face Protection: Wear appropriate protective safety goggles/glasses as described in 29 CFR 1910.133 or full-face shield if splashing hazard exists.

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

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: Clear liquid
Odor: Mild polyol
pH: 4.0-6.0 (5% solution)
Specific Gravity: 1.03 – 1.05 g/ml @ 25 C (77 F)
Water Solubility: Soluble
Melting Point Range: Not established
Freezing Point Range: Not established
Boiling Point Range: Not established
Vapor Pressure: Not established
Vapor Density: (Air = 1) >1
Percent Volatiles: **Volume %:** Not established **Weight %:** Not established
Viscosity: Not established

10. STABILITY AND REACTIVITY

Chemical Stability: This material is stable under normal handing and storage conditions described in Section 7.
Conditions to be Avoided: Keep away from heat and flames.
Materials/Chemical to be Avoided: Strong oxidizing agents.
The following Hazardous Decomposition Products might be Expected: Oxides of carbon and hydrogen.
Hazardous Polymerization will not occur:
Avoid the Following to Inhibit Hazardous Polymerization: No data available.

11. TOXICOLOGICAL INFORMATION

Acute Eye Irritation: No data available.
Toxicological Information and Interpretation:
Acute Skin Irritation: No data available.
Toxicological Information and Interpretation:
Acute Dermal Toxicity: No data available.
Toxicological Information and Interpretation:
Acute Respiratory Irritation: No data available.
Toxicological Information and Interpretation:
Acute Inhalation Toxicity: No data available.
Toxicological Information and Interpretation:
Acute Oral Toxicity: No data available.
Toxicological Information and Interpretation:
Chronic Toxicity: No data available.
Toxicological Information and Interpretation:

12. ECOLOGICAL INFORMATION

Ecotoxicity Information: No data available.
Environmental Fate Information: No data available.
Chemical/Physical Information: Not corrosive, Not an oxidizer.
Waste Disposal Method: See section 13.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method:

Incinerate or bury in a licensed facility. Do not discharge into waterways or sewer systems without proper authority.

Container Handling and Disposal:

Dispose of in a licensed facility. Recommend crushing or other means to prevent unauthorized reuse.

EPA Hazardous Waste: N/A

14. TRANSPORTATION INFORMATION

US Department of Transportation Shipping Name: DOT classification, cleaning compound NOI

Hazard Class: N/A

15. REGULATORY INFORMATION

Inventory Status:

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

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:

SARA Title III Hazard Classes:

Fire Hazard	**N**
Reactive Hazard	**N**
Release of Pressure	**N**
Acute Health Hazard	**N**
Chronic Health Hazard	**N**

OTHER FEDERAL REGULATIONS:

FDA Status: N/A

FIFRA Status: N/A

STATE REGULATIONS:

Prop 65: This product may contain trace amounts of ethylene oxide, propylene oxide and 1,4-dioxane which are listed in accordance with regulations specified in California Proposition 65. These chemicals are known to the state of California to cause cancer and/or birth defects or reproductive harm.

Ingredient	Cancer List	Reprod. List	No Signif. Risk Level (ug/day)	RPI
1,4-Dioxane	Y	N	30	ND
Ethylene Oxide	Y	Y	2	ND
Propylene Oxide	Y	N	3	ND

16. OTHER INFORMATION

Reason for Revisions: Regulatory review – no changes. This MSDS replaces March 1, 2005, 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