

1. CHEMICAL PRODUCT AND COMPANY DESCRIPTION

AQUATROLS CORPORATION OF AMERICA

1273 IMPERIAL WAY

PAULSBORO, NJ 08066 USA

Emergency Phone Numbers:

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).

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

Chemical Name or Synonym: Non-ionic surfactant blend, soil 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/PEL	ACGIH/TLV
Polymeric polyoxyalkylenes Proprietary*		100	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 to hazy, viscous 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 and solids include eye and skin contact, ingestion and inhalation.

Effect of Overexposure:

Acute Eye: Slightly irritating. May cause redness, irritation.

Acute Skin: 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.

4. FIRST AID MEASURES

Eye Contact: DO NOT RUB EYES. Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Seek medical attention.

Skin Contact: In case of contact, immediately wash with plenty of soap and water for at least 5 minutes. Seek medical attention. Remove contaminated clothing and shoes, and clean before re-use.

Inhalation: Inhalation is not an expected route of exposure. If respiratory irritation or distress occurs, remove victim to fresh air. Seek medical attention if respiratory irritation or distress continues.

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.

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 is available.

5. FIRE FIGHTING MEASURES

FIRE HAZARD DATA:

Flash Point: > 204°C (399°F). Flammability class: WILL BURN **Method Used:** Pensky-Martens Closed Cup

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

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 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

Containment of Spill: Follow procedures described below.

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 washings 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.

7. HANDLING AND STORAGE

Minimum/Maximum Storage Temperature: not available

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 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 headspace. 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: 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.

Engineering Controls: Where engineering controls are indicated by use conditions or a potential for excessive exposure exists, the following traditional exposure control techniques may be used to effectively minimize employee exposures: general area dilution/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: Eye contact should be prevented through the use of chemical safety glasses with side shields, or splash proof goggles. An emergency eyewash station must be readily available 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.

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 exact specifications.

Physical Appearance:	Clear to hazy viscous liquid.
Odor:	Slight odor.
pH:	5.5 – 7.0 at 5% wt
Specific Gravity:	1.02 – 1.04 g/ml at 25°C (77°F).
Water Solubility:	Soluble
Melting Point Range:	Not established.
Boiling Point Range:	> 260°C (500°F) at 760 mmHg
Vapor Pressure:	< 0.1 mmHg at 25°C (77°F)
Vapor Density:	Not established
Viscosity:	Volume %: <0.5 Weight %: 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: Heat, open flame, and spark.

Materials/Chemical to be Avoided: Strong bases, 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 – eye irritation, rabbit. Slightly irritating.

Acute Skin Irritation: Toxicological Information and Interpretation: Skin – skin irritation, rabbit. Slightly irritating.

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 Lethal dose 50% of test species, 10200 mg/kg, rat.

Chronic Toxicity: This product does not contain any substances that are considered by OSHA, NTP, IARC or ACGIH to be “probable” or “suspected” carcinogens.

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.

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 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.

Container Handling and Disposal: Any containers or equipment used should be decontaminated immediately after use. EPA Hazardous Waste: NO

14. TRANSPORTATION INFORMATION

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

OTHER FEDERAL REGULATIONS:

FDA Status: N/A

FIFRA Status: N/A

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

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

16. OTHER INFORMATION**National Fire Protection Association Hazard Ratings – NFPA (R):**

- 1 Health Hazard Rating -- Slight
- 1 Flammability Rating -- Slight
- 0 Reactivity Rating -- Minimal



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Material Safety Data Sheet Date Prepared: May 15, 2012

Supersedes Date: March 1, 2005

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

- 1 Health Hazard Rating -- Slight
- 1 Flammability Rating -- Slight
- 0 Reactivity Rating -- Minimal

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

Revision for Revisions: Regulatory review – no changes. This MSDS replaces the 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