

1. CHEMICAL PRODUCT AND COMPANY DESCRIPTION

AQUATROLS CORPORATION OF AMERICA
1273 IMPERIAL WAY
PAULSBORO, NJ 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, media wetting agent

C.A.S. Number: Proprietary

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Reg Number	**Exposure Limits**		
		Weight%	OSHA/PEL	ACGIH/TLV
Ethoxylated alkylphenol	Proprietary*	> 99	Not established	Not established
Water	7732-18-5	< 1	N/A	N/A
Ethylene Oxide	75-21-8	< 0.0025		1.8 mg/m ³
Dioxane	123-91-1	< 0.002		90 mg/m ³

* Trade secret as allowed by 29 CFR1910.1200-48.

3. HAZARDS IDENTIFICATION

A. Emergency Overview:

Physical Appearance and Odor: Clear viscous liquid, phenolic odor.

Signal Word / Hazard Statement: Warning / Causes serious eye irritation

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: 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.

4. FIRST AID MEASURES

EYE: 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: Remove contaminated clothing and immediately wash affected area with large amounts of water for at least 15 minutes. If irritation or redness persists, seek medical attention as needed.

INGESTION: 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.

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.

5. FIRE FIGHTING MEASURES

FIRE HAZARD DATA:

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

Method Used: Pensky-Martens Closed Cup

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

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

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. 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 below under Cleanup and Disposal of Spill.

Cleanup and Disposal of Spill: Absorb with an inert absorbent. Shovel into an appropriate closed container (See Section 7: Handling and Storage).

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: 15 to 49°C (59 to 120°F)

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 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: 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.

Assistance with selection, use and maintenance of worker protection equipment is generally available from equipment manufacturers.

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

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.

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 reasonably 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

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 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**

Transportation Status: IMPORTANT! 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)	N
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 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 contains the following components that are regulated under California Proposition 65:

Ingredient	Cancer List	Reprod. List	No Sig. Risk Lvl. (ug/day)	RPI
Ethylene Oxide	Y	Y	2	ND
Dioxane	Y	N	30	ND

16. OTHER INFORMATION

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

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

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

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

WHIMIS: D2B

Reason for Revisions: Sections 3 and 4 were updated. This MSDS replaces August 1, 2013, 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: Manufacturer Disclaimer: The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of MSDS Document