

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: Polyether Modified Polysiloxane

C.A.S. Number: Proprietary

2. COMPOSITION/INFORMATION ON INGREDIENTS

| Component | CAS Reg Number | Weight % | ***Exposure Limits*** | |
|---------------------------------|----------------|-------------|-----------------------|-----------------|
| | | | OSHA/PEL | ACGIH/TLV |
| Polyether Modified Polysiloxane | Proprietary* | Proprietary | 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 pale yellow liquid, faint polyether odor

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

B. POTENTIAL HEALTH EFFECTS:

Primary Route of Entry: Dermal

Effects of Overexposure:

Acute Eye: May cause slight irritation upon prolonged or repeated contact.

Acute Skin: May cause slight irritation.

Acute Inhalation: Not a likely route of entry. If work conditions are such that aerosols and/or mists are formed, inhalation of vapors might be irritating to some degree of severity. Toxic based on acute animal studies. Exact effects on humans are not known.

Acute Ingestion: May be slightly toxic based on acute animal studies. Exact effects on humans are not known.

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: Flush eyes with water for 15 minutes or more (if easy to do so, remove contact lenses); if irritation persists, consult a physician (preferably an eye specialist) and show MSDS.

SKIN CONTACT: Remove soiled or soaked clothing immediately. Wash off area immediately with soap and water. Consult a physician if irritation persists.

IF SWALLOWED: Seek medical attention and show MSDS

INHALATION: Remove individual from source of exposure to fresh air. If individual is not breathing, administer artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

Medical Conditions Possibly Aggravated By Exposure: None Known

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

Flash Point: >212°F; Flammability Class: IIIB

Method Used: TAGCC

Flammability Limits (vol/vol%): Lower: Not measured

Upper: Not measured

Extinguishing Media: Foam, Carbon Dioxide, Dry Chemical, Water Spray

Special Fire Fighting Procedures: As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear.

Unusual Fire and Explosion Hazards: None

Hazardous Decomposition Products: None with proper storage and handling.

6. ACCIDENTAL RELEASE MEASURES

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

Containment of Spill: Evacuate the spill area except for clean-up personnel. Wear NIOSH/MSHA approved respirator and protective equipment. Control spill with absorbent pads or booms. If necessary, apply granular or loose sorbent to spill. When adsorbed, sweep or otherwise collect and dispose of properly.

Methods for cleaning up / taking up: small spills: Control spill with adsorbent pads or booms, if necessary. Apply granular or loose sorbent to spill. When adsorbed, sweep or otherwise collect and dispose of properly.

Release Notes: US regulations require reporting spills of this material that could reach any surface waters. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

7. HANDLING AND STORAGE

Handling: Avoid inhalation of vapor or mist. Avoid contact with eyes or skin. Keep containers closed and use only with adequate ventilation. Wash hands before breaks and after working. Keep away from sources of ignition. No smoking.

Storage: Keep containers closed. Store in a cool, dry, well-ventilated area away from incompatible substances.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protection Equipment:

Hygiene measures: No smoking, eating or drinking allowed when using this product. Wash hands before breaks and at end of work shift.

Respiratory protection: In case of vapors/aerosols: Use respiratory protective equipment, cartridge for organic gases and vapors.

Hand protection: PVC gloves.

Eye protection: Use chemical resistant goggles.

Protective clothing: Light protective clothing.

Engineering controls: Good general (mechanical) ventilation should be sufficient to control airborne levels.

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 foods, beverages, tobacco products, or cosmetics in areas 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 pale yellow liquid

Odor: Faint Polyether

pH: 6.0 to 8.0

Specific Gravity: 1.0 g/ml

Water Solubility: soluble

Freezing Point Range: Not established

Vapor Density: Heavier than air

Percent Volatiles: **Volume %:** 1.39% **Weight %:** Not established

Viscosity: Not established

Weight Per gallon: 8.33 lbs.

10. STABILITY AND REACTIVITY

| | |
|-----------------------------------|--|
| Conditions to avoid: | None with proper storing and handling. |
| Thermal decomposition: | Not measured. |
| Hazardous reactions: | No hazardous reactions with proper storage and handling. |
| Hazardous polymerization: | No |
| Stability: | Yes |
| Hazardous decomposition products: | None with proper storage and handling. |

11. TOXICOLOGICAL INFORMATION

| | |
|-----------------------------------|---|
| Acute oral toxicity: | LD50 Species: rat - Dose: 3,612 mg/kg |
| Acute inhalation toxicity: | LC50 Species: rat - Dose: 1.08 mg/l |
| Acute dermal toxicity: | LD50 Species: rat - Dose: >2,000 mg/kg |
| Skin irritation: | Species: rabbit - slightly irritant |
| Eye irritation: | Species: rabbit - moderate irritant |
| NOTE: | Proper use provided, no adverse health effects have been observed or have been come to our knowledge. Eye contact may produce on oil film over the eye-ball causing a harmless reversible short lasting dimness of sight. |

12. ECOLOGICAL INFORMATION

| | | |
|-----------------------------|---|------------------------------------|
| Ecotoxicity effects: | | |
| Toxicity to fish | LC50 Species: rainbow trout Exposure time: 96 h | Dose: 12 mg/l Method: OECD 203 |
| | LC50 Species: Pimelphales promelas Exposure time: 96 h | Dose: 110 mg/ Method: OECD 203 |
| Toxicity to daphniae | EC50 Species: Daphnia magna Exposure time: 48 h | Dose: 110 mg/l Method: OECD 202 |
| Toxicity to algae | EbC50 Exposure time: 72 h | Dose: 82 mg/l Method: OECD 201 |

Further ecological information:

| | |
|------------------------------|---|
| Chemical Oxygen Demand (COD) | 1,900 mg/g |
| Ecological notes: | The product is considered to be a strong water pollutant (German Law). Do not allow to enter soil, waterways or waste water canal. |

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, state, and federal regulations.

| | |
|---|--|
| Product disposal and disposal requirements: | In accordance with local authority regulations, take to special waste incineration plant. |
| Contaminated packaging: | If empty, contaminated containers are recycled or disposed of, the receiver must be informed about possible hazards. |

14. TRANSPORTATION INFORMATION

| | | |
|-------------------------------------|-------------|---------------|
| Sea Transport | IMDG: | not regulated |
| Air Transport | ICAO/IATAA: | not regulated |
| DOT (Department of Transportation) | CFR Road: | not regulated |
| | CFR Rail: | not regulated |
| Canada Transport of Dangerous goods | TDG Road: | not regulated |
| | TDG Rail: | not regulated |

15. REGULATORY INFORMATION**United States:**

SARA Section 311/312

Fire: No
Pressure generating: No
Reactivity: No
Acute: Yes
Chronic: No

SARA Sections

SECTION 313

Notification: No

This product contains no SARA Title III, Section 313 listed chemicals.

TSCA (Toxic Substance Control Act)

TSCA Inventory

Notification: Yes

All ingredients are listed in the TSCA Inventory or comply with TSCA Polymer Exemption criteria per 40 CFR 723.

California Proposition 65 Statement

Notification: No

This product does not contain any substance(s) which are defined by the state of California to cause cancer, birth defects, or other reproductive effects.

Canada

WHMIS Classification Non-WHMIS

Canadian Environmental Protection Act: All intentional ingredients are listed on the SDL (Domestic Substance List) or have been notified pursuant to the NSN regulations.

16. OTHER INFORMATION

HMIS Codes: Fire: 1 (slight)
Health: 2 (moderate)
Physical Hazard: 0
Protection: X

Reason for Revisions: Company location change. This MSDS replaced the December 8, 2003, 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