

# SAFETY DATA SHEET (SDS-US)

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## 1. Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Trade name : CapSil  
Chemical Name : Polyether-modified polysiloxane

### 1.2. Recommended use of the chemical and restrictions on use

Recommended use : Industrial Use  
Non-recommended use(s) : None known.

### 1.3. Details of the supplier of the safety data sheet

Company : THE AQUATROLS COMPANY  
1273 IMPERIAL WAY  
PAULSBORO, NJ  
08066 USA

Telephone : 856-537-6003

E-mail : [info@aquatrols.com](mailto:info@aquatrols.com)

### 1.4. Emergency telephone number

Emergency information:  
(Chemtrec Information 24 hours)  
(800) 424-9300

## 2. Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation 29CFR 1910.1200

Chronic aquatic toxicity Category 3 H412

### 2.2. Label elements

hazard statement : H412 - Harmful to aquatic life with long lasting effects.

Precationary Statement : P273 - Avoid release to the environment.

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(Prevention)

Precautionary Statement (Disposal) : P501 - Dispose of contents/container in accordance with local regulation.

## 2.3. Other hazards

None known

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## 3. Composition/information on ingredients

### 3.1. Substances

-

### 3.2. Mixtures

#### Classification according to Regulation 29CFR 1910.1200

Chemical Name	NJ Trade secrets CAS-No.	Concentration	Classification
Polyether Modified Polysiloxane (CASRN Proprietary)	- -	> 20.0000 %	

Texts of H phrases, see in Chapter 16

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## 4. First aid measures

### 4.1. Description of first aid measures

General advice : Remove soiled or soaked clothing immediately

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

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

Eye contact : Flush eye(s) for 15 minutes or more; if irritation persists, consult a physician (preferably an eye specialist) and show MSDS.

Ingestion : If swallowed, seek medical attention and show MSDS.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms : No special hints.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

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## 5. Fire-fighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : foam, carbon dioxide, dry powder, water spray.

Unsuitable extinguishing media : Full water jet

### 5.2. Special hazards arising from the substance or mixture

In the event of fire the following can be released:

- Carbon monoxide, carbon dioxide, silicon dioxide

### 5.3. Advice for firefighters

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

Collect contaminated firefighting water separately, must not be discharged into the drains.

## 6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.

### 6.2. Environmental precautions

Do not allow to enter drains or waterways

Do not discharge into the subsoil/soil.

### 6.3. Methods and material for containment and cleaning up

Take up with absorbent material (eg sand, kieselguhr, universal binder)

Dispose of absorbed material in accordance with the regulations.

## 7. Handling and storage

### 7.1. Precautions for safe handling

Advice on safe handling : No special measures necessary if stored and handled as prescribed.

Handling : no data available

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

General protective measures : Do not inhale gases/vapours/aerosols.  
Avoid contact with eyes and skin

### 7.2. Conditions for safe storage, including any incompatibilities

#### Prevention of fire and explosion

Information : No special measures required.

#### Storage

Information : none

Further information on storage conditions : Keep container closed.

## 8. Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limit(s)

Ingredients	CAS-No.	Statutory basis/list (Update)	Value type (Form of exposure; Expressed as)	Value	Short-term
Polyether Modified Polysiloxane (CASRN Proprietary)		OSHA PEL	TWA		

### 8.2. Exposure controls

#### Engineering controls

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

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engineering controls

## Personal protective equipment

Eye protection : Use chemical resistant goggles.

Hand protection : PVC gloves  
The protective gloves to be worn must satisfy the specifications of EC Guideline 89/686/EEC and the resulting Standard EN374.

Body Protection : protective clothing

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

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## 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : liquid

Form : liquid

Colour : yellowish

Odour : slight, typical

Odour Threshold : not measured

pH : not applicable

Melting point : not measured

Boiling point : not measured

Flash point : > 212 °F  
Method: TAG CC

Evaporation rate : Unavailable

Flammability : no data available

Upper Explosion/Ignition Limit : not measured

Lower explosion limit : not measured

Vapour pressure : not measured

Relative vapour density : not measured

Relative density : no data available

Solubility : not measured

Water solubility : soluble

Partition coefficient (n-octanol/water) : not measured

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Autoignition temperature : not measured  
Thermal decomposition : not measured  
Viscosity, kinematic : no data available  
Viscosity, dynamic : not determined  
Explosive properties : not measured  
Oxidising properties : not measured

## 9.2. Other information

Density : ca. 1 g/cm<sup>3</sup>

Metal corrosion : not measured  
Ignition temperature : not measured

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## 10. Stability and reactivity

### 10.1. Reactivity

see section "Possibility of hazardous reactions"

### 10.2. Chemical stability

The product is stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No  
No hazardous reactions with proper storage and handling.

### 10.4. Conditions to avoid

None with proper storing and handling.

### 10.5. Incompatible materials

Unknown

### 10.6. Hazardous decomposition products

None with proper storage and handling.

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## 11. Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : LD<sub>50</sub>  
Species: Rat  
Dose: 3,612 mg/kg

Acute toxicity (inhalation) : Acute toxicity estimate (ATEmix)  
Test atmosphere: Dust/Mist  
Dose: > 5 mg/l  
Method: Calculation method

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Acute toxicity (dermal) : LD50 Species: rat  
Dose: > 2,000 mg/kg

Irritation/corrosion of the skin : Species: rabbit  
Result: slight irritant effect - does not require labelling

Serious eye damage/ eye irritation : Species: rabbit  
Result: slight irritant effect - does not require labelling  
Remarks: Tested as undiluted product.

Respiratory/skin sensitization : no data available

Repeated dose toxicity : no data available

## CMR assessment

Carcinogenicity : no data available

Mutagenicity : no data available

Teratogenicity : no data available

Toxicity to reproduction : no data available

Carcinogenicity : Not listed by NTP, IARC, ACGIH, or OSHA as a carcinogen.

Specific Target Organ Toxicity - Single exposure : no data available

Specific Target Organ Toxicity - Repeated exposure : no data available

Aspiration hazard : No Aspiration toxicity classification

Other information : Proper use provided, no adverse health effects have been observed or have been come to our knowledge.  
Eye contact may produce an oil film over the eye-ball causing a harmless reversible shortlasting dimness of sight.

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## 12. Ecological information

### Ecotoxicology Assessment

Acute aquatic toxicity : no data available

Chronic aquatic toxicity : no data available

#### 12.1. Toxicity

Aquatoxicity, fish : Species: rainbow trout  
Exposure duration: 96 h  
LC50: 12 mg/l  
Method: OECD 203

Aquatoxicity, invertebrates : Species: Daphnia magna  
Exposure duration: 48 h  
EC50: 110 mg/l

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Method: OECD 202

Aquatoxicity, algae / aquatic plants : Exposure duration: 72 h  
ErC50: > 100 mg/l  
Method: OECD 201

Toxicity in microorganisms : no data available

chronic toxicity in fish : no data available

Chronic toxicity in aquatic Invertebrates : no data available

Toxicity in organisms which live in the soil : no data available

Toxicity in terrestrial plants : no data available

Toxicity to Above-Ground Organisms : no data available

## 12.2. Persistence and degradability

Photodegradation : no data available

Biological degradability : no data available

Physico-chemical removability : no data available

Biochemical Oxygen Demand (BOD) : no data available

Chemical Oxygen Demand (COD) : 1,900 mg/g

relation of BOD/COD : no data available

Dissolved organic carbon (DOC) : no data available

Adsorbed organic bound halogens (AOX) : no data available

Distribution among environmental compartments : no data available

## 12.3. Bioaccumulative potential

Bioaccumulation : no data available

## 12.4. Mobility in soil

Environmental : no data available

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distribution

## 12.5. Results of PBT and vPvB assessment

PBT and vPvB : no data available  
assessment

## 12.6. Other adverse effects

General Information : The product is considered to be a water pollutant (German law).  
Do not allow to enter soil, waterways or waste water canal.

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## 13. Disposal considerations

### 13.1. Waste treatment methods

Product : 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.

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## 14. Transport information

**Not dangerous according to transport regulations.**

14.1 UN number: --  
14.2 UN proper shipping name: --  
14.3 Transport hazard class(es): --  
14.4 Packing group: --  
14.5 Environmental hazards: --  
14.6 Special precautions for user: No

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## 15. Regulatory information

### Canada:

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation and the (M)SDS contains all information required by the Controlled Products Regulation

Canada : WHMIS CLASSIFICATION  
Non-WHMIS  
All intentional ingredients are listed on the DSL (Domestic Substance List) or have been notified pursuant to the NSN regulations.

### US regulations:

SARA Title III Section : Acute Health Hazard  
311/312 Hazard Categories

Other regulations : CTFA: complies

State Right to Know : No components subject to "Right-To-Know" legislation in the following States: NJ, PA, MA and RI

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

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SARA EHS: NO

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.

HMIS Ratings	Health:	2
	Flammability:	1
	Reactivity:	0
	Personal Protection:	X

## Notification status

USA (TSCA)	: listed/registered or exempted
Canada (DSL)	: listed/registered or exempted

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## 16. Other information

### List of references

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Changes since the last version are highlighted in the margin. This version replaces all previous versions. This information and any recommendations, technical or otherwise, are presented in good faith and believed to be correct as of the date prepared. Recipients of this information and recommendations must make their own determination as to its suitability for their purposes. In no event shall The Aquatrols Company assume liability for damages or losses of any kind or nature that result from the use of or reliance upon this information and recommendations. THE AQUATROLS COMPANY EXPRESSLY DISCLAIMS ANY REPRESENTATIONS AND WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, AS TO THE ACCURACY, COMPLETENESS, NON-INFRINGEMENT, MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE (EVEN IF AQUATROLS CORPORATION OF AMERICA IS AWARE OF SUCH PURPOSE) WITH RESPECT TO ANY INFORMATION AND RECOMMENDATIONS PROVIDED. Reference to any trade names used by other companies is neither a recommendation nor an endorsement of the corresponding product, and does not imply that similar products could not be used. The Aquatrols Company reserves the right to make any changes to the information and/or recommendations at any time, without prior or subsequent notice.

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## Legend

<b>ADR</b>	European Agreement concerning the International Carriage of Dangerous Goods by Road
<b>ADN</b>	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
<b>ADNR</b>	European agreement concerning the international carriage of dangerous goods by inland waterways (ADN)
<b>ASTM</b>	American Society for Testing and Materials
<b>ATP</b>	Adaptation to Technical Progress
<b>BCF</b>	Bioconcentration factor
<b>BetrSichV</b>	German Ordinance on Industrial Safety and Health
<b>c.c.</b>	closed cup
<b>CAS</b>	Chemical Abstract Services
<b>CESIO</b>	European Committee of Organic Surfactants and their Intermediates
<b>ChemG</b>	German Chemicals Act
<b>CMR</b>	carcinogenic-mutagenic-toxic for reproduction
<b>DIN</b>	German Institute for Standardization
<b>DMEL</b>	Derived minimum effect level
<b>DNEL</b>	Derived no effect level
<b>EINECS</b>	European Inventory of Existing Commercial Chemical Substances
<b>EC50</b>	half maximal effective concentration
<b>GefStoffV</b>	German Ordinance on Hazardous Substances
<b>GGVSEB</b>	German ordinance for road, rail and inland waterway transportation of dangerous goods
<b>GGVSee</b>	German ordinance for sea transportation of dangerous goods
<b>GLP</b>	Good Laboratory Practice
<b>GMO</b>	Genetic Modified Organism
<b>IATA</b>	International Air Transport Association
<b>ICAO</b>	International Civil Aviation Organization
<b>IMDG</b>	International Maritime Dangerous Goods
<b>ISO</b>	International Organization For Standardization
<b>LOAEL</b>	Lowest observed adverse effect level
<b>LOEL</b>	Lowest observed effect level
<b>NOAEL</b>	No observed adverse effect level
<b>NOEC</b>	no observed effect concentration
<b>NOEL</b>	no observed effect level
<b>o. c.</b>	open cup
<b>OECD</b>	Organisation for Economic Cooperation and Development
<b>OEL</b>	Occupational Exposure Limit
<b>PBT</b>	Persistent, bioaccumulative, toxic
<b>PEC</b>	Predicted effect concentration
<b>PNEC</b>	Predicted no effect concentration
<b>REACH</b>	REACH registration
<b>RID</b>	Convention concerning International Carriage by Rail
<b>STOT</b>	Specific Target Organ Toxicity
<b>SVHC</b>	Substances of Very High Concern
<b>TA</b>	Technical Instructions
<b>TPR</b>	Third Party Representative (Art. 4)
<b>TRGS</b>	Technical Rules for Hazardous Substances
<b>VCI</b>	German chemical industry association
<b>vPvB</b>	very persistent, very bioaccumulative
<b>VOC</b>	volatile organic compounds
<b>VwVws</b>	German Administrative Regulation on the Classification of Substances Hazardous to Waters into Water Hazard Classes
<b>WGK</b>	Water Hazard Class
<b>WHO</b>	World Health Organization