

# SAFETY DATA SHEET (SDS-US)

CapSil

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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 : AQUATROLS CORPORATION OF AMERICA  
1273 IMPERIAL WAY  
PAULSBORO, NJ  
08066 USA

Telephone : 1-800-257-7797  
Telefax : 1-856-537-6018  
E-mail : pedro.perdomo@aquatrols.com

### 1.4. Emergency telephone number

Emergency information : Non-Emergency Phone Number : 1-800-257-7797  
In case of emergency call CHEMTREC US: 1-800-424-9300, CHEMTREC WORLD:  
1-703-527-3887.

24 HOUR EMERGENCY TELEPHONE NUMBERS:  
CHEMTREC - US & CANADA toll free: +1-800-424-9300

## 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.

Precautionary 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

## 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

## 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.

## 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		
Not Established					

### 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) : LD50  
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 to xicity (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

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

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

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Method: OECD 202

Aquatic toxicity, 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 assessment : no data available

## 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 311/312 Hazard Categories : Acute Health Hazard

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.

HMS 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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## 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>Chem G</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