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

1.4. Emergency telephone number


24 HOUR EMERGENCY TELEPHONE NUMBERS:
CHEMTREC - US & CANADA toll free: +1-800-255-3924

2. Hazards identification

2.1. Classification of the substance or mixture

GHS-US Classification according to 29 CFR 1910.1200

2.2. Label elements

Signal Word: Warning
Pictogram: None
Hazard Statement: May be harmful if swallowed or in contact with skin. Causes eye irritation. Causes mild skin irritation. Harmful to aquatic life with lasting effects.
Precautionary Statement: Do not get in eyes or skin or on clothing. Wash hands, forearms, and other exposed areas thoroughly after handling. Do not eat, drink, or smoke when using this product. Wear impervious gloves, protective clothing, and eye protection (goggles or full face shield).
Disposal: Dispose of contents/container in accordance with local regulations.

2.3. Other hazards

None known
3. Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Classification according to Regulation 29CFR 1910.1200

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>NJ Trade secrets CAS-No.</th>
<th>Concentration</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyether Modified Polysiloxane (CASRN Proprietary)</td>
<td>-</td>
<td>&gt; 20.0000 %</td>
<td></td>
</tr>
</tbody>
</table>

The exact concentration has been withheld as a trade secret.

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

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)

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS-No.</th>
<th>Statutory basis/list (Update)</th>
<th>Value type (Form of exposure; Expressed as)</th>
<th>Value</th>
<th>Short-term</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polyether Modified Polysiloxane (CASRN Proprietary)</td>
<td></td>
<td>OSHA PEL</td>
<td>TWA</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Not Established</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

8.2. Exposure controls

Engineering controls

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

Density: ca. 1 g/cm³

Metal corrosion: not measured
Ignition temperature: not measured

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 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.

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
### 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.

### 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

- **Specific Target Organ Toxicity**: no data available

### Specific Target Organ Toxicity - Repeated exposure

- **Specific Target Organ Toxicity**: 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.

### 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
  - 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/l

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 distribution:
  no data available

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.
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.

14. Transport information - Domestic Regulation 49CF

Not regulated as dangerous goods.

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.
SARA EHS: NO

California Proposition 65 Statement: No notification.
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

16. Other information

List of references

Date: 10/20/2020

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