

# SAFETY DATA SHEET

Classified in accordance with 29 CFR 1910.1200

## 1. Identification

**Product identifier:** TEGO® Wet 296**Chemical name:**

polyether siloxane

**Other means of identification**

None.

**Recommended restrictions****Recommended use:** Industrial use**Restrictions on use:** None known.**Manufacturer/Importer/Distributor Information**

Company Name : Evonik Corporation  
2 Turner Place  
Piscataway, NJ 08854  
USA

Telephone : +1 732 981 5000

E-mail : product-regulatory-services@evonik.com

**Emergency telephone number:**

24-Hour Health : +1 800 424 9300 (CHEMTREC - US & CANADA)

Emergency 800 681 9531 (CHEMTREC MEXICO)

+1 703 527 3887 (CHEMTREC WORLD)

## 2. Hazard(s) identification

**Hazard Classification****Physical Hazards**

Flammable liquids Category 4

**Health Hazards**

Acute toxicity (Inhalation - dust and mist) Category 4

**Environmental Hazards**

Acute hazards to the aquatic environment Category 3

Chronic hazards to the aquatic environment Category 3

**Label Elements****Hazard Symbol:**



**Signal Word:** Warning

**Hazard Statement:**  
 Combustible liquid.  
 Harmful if inhaled.  
 Harmful to aquatic life with long lasting effects.

**Precautionary Statements**

**Prevention:** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.

**Response:** IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell. In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

**Storage:** Store in a well-ventilated place. Keep cool.

**Disposal:** Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.

**Hazard(s) not otherwise classified (HNOC):** None.

**3. Composition/information on ingredients**

**Chemical name:**  
 polyether siloxane  
**Mixtures**

| Chemical Identity   | Common name and synonyms | CAS number | Content in percent (%) <sup>*</sup> |
|---|--------------------------|------------|-------------------------------------|
| (2-Methoxymethylethoxy)propanol                                 |                          | 34590-94-8 | 20 - <50%                           |
| Siloxanes and Silicones, di-Me, 3-hydroxypropyl Me, ethoxylated |                          | 68937-54-2 | 25 - <50%                           |
| octamethylcyclotetrasiloxane                                    |                          | 556-67-2   | 0.01 - <0.1%                        |

<sup>\*</sup> All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

The exact concentration has been withheld as a trade secret.

**4. First-aid measures**

**Description of necessary first-aid measures**

|  |   |
|--|---|
| <b>General information:</b>                          | Immediately remove contaminated clothing.   |
| <b>Inhalation:</b>                                   | If inhaled remove from side of exposure to fresh air, seek medical advice.                                  |
| <b>Skin Contact:</b>                                 | In case of contact with skin wash off with soap and water. In case of discomfort: Supply with medical care. |
| <b>Eye contact:</b>                                  | In case of contact with eyes rinse thoroughly with water. In case of discomfort: Supply with medical care.  |
| <b>Ingestion:</b>                                    | Thoroughly clean the mouth with water In case of discomfort: Supply with medical care.                      |
| <b>Personal Protection for First-aid Responders:</b> | No data available.  |

**Most important symptoms and effects, both acute and delayed**

|                  |                                  |
|------------------|----------------------------------|
| <b>Symptoms:</b> | Up to now no symptoms are known. |
| <b>Hazards:</b>  | No data available.               |

**Indication of immediate medical attention and special treatment needed**

|                   |                        |
|-------------------|------------------------|
| <b>Treatment:</b> | Treat symptomatically. |
|-------------------|------------------------|

**5. Fire-fighting measures**

**Suitable (and unsuitable) extinguishing media**

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

**Unsuitable extinguishing media:** High volume water jet.

**Special hazards arising from the substance or mixture:**

In the event of fire the following can be released: - Carbon monoxide, carbon dioxide, silicon dioxide Under certain conditions of combustion traces of other toxic substances cannot be excluded

**Special protective equipment and precautions for firefighters**

**Special fire fighting procedures:** No specific precautions.

**Special protective equipment for fire-fighters:**

Do not inhale explosion and/or combustion gases. Self-contained breathing apparatus.

**6. Accidental release measures**

**Personal precautions, protective equipment and emergency procedures:**

Use personal protective equipment.

**Accidental release measures:**

No data available.

**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.

**Environmental Precautions:** Prevent product from getting into subsoil/soil. Do not allow to enter drains or waterways

## 7. Handling and storage

### Handling

**Technical measures (e.g. Local and general ventilation):** No data available.

**Safe handling advice:** Provide good ventilation of working area (local exhaust ventilation if necessary). Do not inhale gases/vapours/aerosols. Avoid contact with skin and eyes.

**Contact avoidance measures:** No data available.

### Storage

**Safe storage conditions:** Keep container tightly closed in a cool, well-ventilated place.

**Safe packaging materials:** No data available.

## 8. Exposure controls/personal protection

### Control Parameters

#### Occupational Exposure Limits

| Chemical Identity               | Type   | Exposure Limit Values              | Source  |
|---------------------------------|--------|------------------------------------|---|
| (2-Methoxymethylethoxy)propanol | REL    | 100 ppm      600 mg/m <sup>3</sup> | US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2010)  |
|                                 | STEL   | 150 ppm      900 mg/m <sup>3</sup> | US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2010)  |
|                                 | PEL    | 100 ppm      600 mg/m <sup>3</sup> | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (03 2016)               |
|                                 | IDLH   | 600 ppm                            | US. NIOSH. Immediately Dangerous to Life or Health (IDLH) Values, as amended (10 2017)                |
|                                 | AN ESL | 50 ppb                             | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (06 2018) |
|                                 | AN ESL | 310 µg/m <sup>3</sup>              | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (06 2018) |
|                                 | ST ESL | 3,100 µg/m <sup>3</sup>            | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (06 2018) |
|                                 | ST ESL | 500 ppb                            | US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (06 2018) |
|                                 | TWA    | 50 ppm                             | US. ACGIH Threshold Limit Values, as amended (01 2021)  |
|                                 | STEL   | 100 ppm                            | US. ACGIH Threshold Limit Values, as amended (01 2021)  |

Please refer to the latest edition of the appropriate source text and consult an industrial hygienist or similar professional, or local agencies, for further information.

**Biological Limit Values**

No biological exposure limits noted for the ingredient(s).

**Appropriate Engineering Controls** No data available.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection:** Safety glasses

**Skin Protection**

**Hand Protection:** Material: Nitrile rubber.  
Break-through time: 480 min

**Skin and Body Protection:** protective clothing

**Respiratory Protection:** in case of formation of vapours/aerosols: Short term: filter apparatus, combination filter A-P2

**Hygiene measures:** Wash hands before breaks and immediately after handling the product. When using do not eat, drink or smoke.  
Remove soiled or soaked clothing immediately.

**9. Physical and chemical properties**
**Information on basic physical and chemical properties**
**Appearance**

|  |                             |
|--|-----------------------------|
| <b>Physical state:</b>                                       | liquid                      |
| <b>Form:</b>   | liquid                      |
| <b>Color:</b>  | Colorless                   |
| <b>Odor:</b>   | Characteristic              |
| <b>Odor Threshold:</b>                                       | not measured                |
| <b>Freezing point:</b>                                       | < 32 °F/< 0 °C              |
| <b>Boiling Point:</b>  | 363 °F/184 °C               |
| <b>Flammability:</b>   | not measured                |
| <b>Upper/lower limit on flammability or explosive limits</b> |                             |
| <b>Explosive limit - upper:</b>                              | not measured                |
| <b>Explosive limit - lower:</b>                              | not measured                |
| <b>Flash Point:</b>  | 178 °F/81 °C (DIN EN 22719) |
| <b>Auto-ignition temperature:</b>                            | not measured                |
| <b>Decomposition Temperature:</b>                            | not measured                |
| <b>pH:</b>   | 7 - 9 (25 °C)               |

**Viscosity**

|                             |   |
|-----------------------------|---|
| <b>Dynamic viscosity:</b>   | 5 - 20 mPa.s (77 °F/25 °C, DIN 53019)                 |
| <b>Kinematic viscosity:</b> | 4.7 - 19 mm <sup>2</sup> /s (77 °F/25 °C, calculated) |
| <b>Flow Time:</b>           | No data available.                                    |

**Solubility(ies)**

|                                  |                |
|----------------------------------|----------------|
| <b>Solubility in Water:</b>      | partly soluble |
| <b>Solubility (other):</b>       | not measured   |
| <b>Partition coefficient (n-</b> | not measured   |

|                                |   |
|--------------------------------|---|
| <b>octanol/water):</b>         |   |
| <b>Vapor pressure:</b>         | not measured  |
| <b>Relative density:</b>       | not measured  |
| <b>Density:</b>                | 0.95 - 1.05 g/cm <sup>3</sup> (77 °F/25 °C) (DIN 51757) |
| <b>Bulk density:</b>           | No data available.                                      |
| <b>Relative vapor density:</b> | not measured  |

**Other information**

|                                      |                         |
|--------------------------------------|-------------------------|
| <b>Explosive properties:</b>         | not measured            |
| <b>Oxidizing properties:</b>         | not oxidizing           |
| <b>Minimum ignition temperature:</b> | not measured            |
| <b>Metal Corrosion:</b>              | Not corrosive to metals |
| <b>Evaporation Rate:</b>             | not measured            |

**10. Stability and reactivity**

|  |   |
|--|---|
| <b>Reactivity:</b>                         | see section "Possibility of hazardous reactions".       |
| <b>Chemical Stability:</b>                 | The product is stable under normal conditions.          |
| <b>Possibility of hazardous reactions:</b> | No hazardous reactions with proper storage and handling |
| <b>Conditions to avoid:</b>                | None with proper storage and handling.                  |
| <b>Incompatible Materials:</b>             | Not known.  |
| <b>Hazardous Decomposition Products:</b>   | None with proper storage and handling.                  |

**11. Toxicological information****Information on toxicological effects****Information on likely routes of exposure**

|                      |   |
|----------------------|---|
| <b>Inhalation:</b>   | Information on effects are given below. |
| <b>Skin Contact:</b> | Information on effects are given below. |
| <b>Eye contact:</b>  | Information on effects are given below. |
| <b>Ingestion:</b>    | Information on effects are given below. |

**Acute toxicity (list all possible routes of exposure)****Oral**

**Product:** LD 50 (Rat): > 2,000 mg/kg (OECD 423) The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy).

**Dermal**

**Product:** LD 50 (ATEmix): > 5,000 mg/kg

**Inhalation**

**Product:** LC 50 (ATEmix, 4 h): 2.51 mg/l

**Repeated dose toxicity****Product:** No data available.**Skin Corrosion/Irritation****Product:** Slightly irritating. OECD 404 (Rabbit): Slightly irritating.; The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy).**Serious Eye Damage/Eye Irritation****Product:** Not irritating Rabbit: Not irritating The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy).**Respiratory or Skin Sensitization****Product:** Sensitization test (Guinea Pig): Not a skin sensitizer. The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy).**Carcinogenicity****Product:** No data available.**IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:**

No carcinogens present or none present in regulated quantities

**ACGIH: US.ACGIH Threshold Limit Values:**

No carcinogens present or none present in regulated quantities

**US. National Toxicology Program (NTP) Report on Carcinogens:**

No carcinogens present or none present in regulated quantities

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended:**

No carcinogens present or none present in regulated quantities

**Germ Cell Mutagenicity**

No data available.

**In vitro****Product:** No data available.**Components:**

(2-Methoxymethylethoxy)propanol octamethylcyclotetrasiloxane

gene mutation test (OECD 471): negative  
Chromosomal aberration (OECD 473): negative  
gene mutation test (OECD 476): negative (analogy)  
Ames test (OECD 471): negative  
Chromosomal aberration (OECD 473): negative  
gene mutation test (OECD 476): negative

**In vivo****Product:** No data available.**Components:**

octamethylcyclotetrasiloxane

Micronucleus test (OECD 474) Inhalation - vapor (Rat): negative  
Chromosomal aberration (OECD 478) Oral (Rat): negative  
Chromosomal aberration (OECD 475) Inhalation - vapor (Rat, Female, Male): negative

**Reproductive toxicity****Product:** No data available.**Specific Target Organ Toxicity - Single Exposure****Product:** No data available.**Specific Target Organ Toxicity - Repeated Exposure****Product:** No data available.

**Aspiration Hazard**

**Product:** Not classified

**Information on health hazards**

**Other hazards**

**Product:** No data available.

**12. Ecological information**

**Ecotoxicity:**

**Acute hazards to the aquatic environment:**

**Fish**

**Product:** LC 50 (Danio rerio, 96 h): 18.1 mg/l The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy).

**Aquatic Invertebrates**

**Product:** EC 50 (Daphnia magna, 48 h): 28.3 mg/l The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy).

**Toxicity to Aquatic Plants**

**Product:** EC 50 (Desmodesmus subspicatus (green algae), 72 h): 28.2 mg/l The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy).  
EC 50 (Desmodesmus subspicatus (green algae), 72 h): 152.2 mg/l The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy).

**Toxicity to microorganisms**

**Product:** No data available.

**Chronic hazards to the aquatic environment:**

**Fish**

**Product:** No data available.

**Aquatic Invertebrates**

**Product:** No data available.

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Components:**

(2-Methoxymethylethoxy)propanol NOEC (Algae (Pseudokirchneriella subcapitata), 72 h): 969 mg/l (OECD 201)

octamethylcyclotetrasiloxane NOEC (Algae (Pseudokirchneriella subcapitata), 96 h): < 22 µg/l (US-EPA-method)

**Toxicity to microorganisms**

**Product:** No data available.

**Persistence and Degradability**

**Biodegradation**

**Product:** No data available.



**BOD/COD Ratio****Product:** No data available.**Bioaccumulative potential****Bioconcentration Factor (BCF)****Product:** No data available.**Partition Coefficient n-octanol / water (log Kow)****Product:** Log Kow: not measured**Mobility in soil:****Product** No data available.**Results of PBT and vPvB assessment:****Product** No data available.**Other adverse effects:****Other hazards****Product:** Do not allow to enter soil, waterways or waste water canal.**13. Disposal considerations****Disposal methods:** 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****49 CFR**

Not regulated as a dangerous good

**Remarks** : FOR USA ONLY: In packagings exceeding 450 L, this product must be classified, placarded, marked and shipped as Combustible Liquid to the USA.  
FOR USA ONLY: In packagings > 450 L this Product must be classified, placarded, marked and shipped as Combustible Liquid in the USA.**International Regulations****UNRTDG**

Not regulated as a dangerous good

**IATA-DGR**

Not regulated as a dangerous good

**Remarks** : FOR USA ONLY: In packagings exceeding 450 L, this product must be classified, placarded, marked and shipped as Combustible Liquid to the USA.  
FOR USA ONLY: In packagings > 450 L this Product must be classified, placarded, marked and shipped as Combustible Liquid in the USA.

**IMDG-Code**

Not regulated as a dangerous good

Remarks : FOR USA ONLY: In packagings exceeding 450 L, this product must be classified, placarded, marked and shipped as Combustible Liquid to the USA.  
 FOR USA ONLY: In packagings > 450 L this Product must be classified, placarded, marked and shipped as Combustible Liquid in the USA.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**15. Regulatory information**
**US Federal Regulations**
**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

None present or none present in regulated quantities.

**US. Toxic Substances Control Act (TSCA) Section 5(a)(2) Final Significant New Use Rules (SNURs) (40 CFR 721, Subpt E)**

None present or none present in regulated quantities.

**US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050), as amended**

None present or none present in regulated quantities.

**CERCLA Hazardous Substance List (40 CFR 302.4):**

None present or none present in regulated quantities.

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**
**Hazard categories**

Flammable (gases, aerosols, liquids, or solids), Acute toxicity (any route of exposure)

**US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances**

None present or none present in regulated quantities.

**US. EPCRA (SARA Title III Section 313 Toxic Chemical Release Inventory (TRI) Reporting**

None present or none present in regulated quantities.

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130):**

None present or none present in regulated quantities.

**Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)**

None present or none present in regulated quantities.

**US State Regulations**
**US. California Proposition 65**

No ingredient requiring a warning under CA Prop 65.

**Inventory Status:**

|                            |                        |  |
|----------------------------|------------------------|--|
| Canada DSL Inventory List: | Included on Inventory. |  |
| US TSCA Inventory:         | Included on Inventory. |  |

**16. Other information, including date of preparation or last revision**

**HMIS Hazard ID**

|                            |          |
|----------------------------|----------|
| <b>Health</b>              | 1        |
| <b>Flammability</b>        | 2        |
| <b>Physical Hazards</b>    | 0        |
| <b>PERSONAL PROTECTION</b> | <b>B</b> |

B - Safety Glasses & Gloves

Hazard rating: 0 - Minimal; 1 - Slight; 2 - Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible; \*Chronic health effect

**Issue Date:** 04/12/2022

**Version #:** 1.1

**Further Information:** No data available.

**Revision Information**

Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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