

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 (%) [*]
(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%

^{*} 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

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

Most important symptoms and effects, both acute and delayed

Symptoms:	Up to now no symptoms are known.
Hazards:	No data available.

Indication of immediate medical attention and special treatment needed

Treatment:	Treat symptomatically.
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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 ³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2010)
	STEL	150 ppm 900 mg/m ³	US. NIOSH: Pocket Guide to Chemical Hazards, as amended (2010)
	PEL	100 ppm 600 mg/m ³	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 ³	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality), as amended (06 2018)
	ST ESL	3,100 µg/m ³	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

Physical state: liquid
Form: liquid
Color: Colorless
Odor: Characteristic
Odor Threshold: not measured
Freezing point: < 32 °F/< 0 °C
Boiling Point: 363 °F/184 °C
Flammability: not measured

Upper/lower limit on flammability or explosive limits

Explosive limit - upper: not measured
Explosive limit - lower: not measured
Flash Point: 178 °F/81 °C (DIN EN 22719)
Auto-ignition temperature: not measured
Decomposition Temperature: not measured
pH: 7 - 9 (25 °C)

Viscosity

Dynamic viscosity: 5 - 20 mPa.s (77 °F/25 °C, DIN 53019)
Kinematic viscosity: 4.7 - 19 mm²/s (77 °F/25 °C, calculated)
Flow Time: No data available.

Solubility(ies)

Solubility in Water: partly soluble
Solubility (other): not measured
Partition coefficient (n-

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

Other information

Explosive properties:	not measured
Oxidizing properties:	not oxidizing
Minimum ignition temperature:	not measured
Metal Corrosion:	Not corrosive to metals
Evaporation Rate:	not measured

10. Stability and reactivity

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

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

Inhalation:	Information on effects are given below.
Skin Contact:	Information on effects are given below.
Eye contact:	Information on effects are given below.
Ingestion:	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

Health	1
Flammability	2
Physical Hazards	0
PERSONAL PROTECTION	
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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