

SAFETY DATA SHEET

Classified in accordance 29 CFR 1910.1200

1. Identification

Product identifier: TEGO® Wet 280

Chemical name:
Polyethersiloxane-Copolymer

Other means of identification

Recommended restrictions

Recommended use: Industrial Use
Restrictions on use: None known.

Manufacturer/Importer/Distributor Information

Company Name : Evonik Corporation
Nutrition & Care
PO Box 34628
Richmond, VA 23234
USA

Telephone : +1 804 727 0700

Fax : +1 804 727 0845

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

Health Hazards

Acute toxicity (Inhalation) Category 4

Environmental Hazards

Chronic hazards to the aquatic environment Category 2

Label Elements

Hazard Symbol:



Signal Word: Warning

Hazard Statement: Harmful if inhaled.
Toxic to aquatic life with long lasting effects.

Precautionary Statements

Prevention: 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 victim to fresh air and keep at rest in a position comfortable for breathing.

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

3. Composition/information on ingredients

Chemical name:
Polyethersiloxane-Copolymer

Mixtures

Chemical Identity	CAS number	Content in percent (%) [*]
Siloxanes and Silicones, di-Me, 3-hydroxypropyl Me, ethers with polyethylene glycol mono Me-ether	68938-54-5	>=70 - <90%

^{*} 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: Remove soiled or soaked clothing immediately

Inhalation: Ensure supply of fresh air. In the event of symptoms, seek medical treatment.

Skin Contact: Immediately and thoroughly, wash off with soap and water. Seek medical attention. Show this data sheet.

Eye contact: In case of contact with eyes, rinse thoroughly with water and seek medical advice.

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

Personal Protection for First-aid Responders: As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

Most important symptoms/effects, acute and delayed

Symptoms: No special hints.
Hazards: No data available.

Indication of immediate medical attention and special treatment needed

Treatment: Treat symptomatically.

5. Fire-fighting measures

General Fire Hazards: Collect contaminated firefighting water separately, must not be discharged into the drains.

Suitable (and unsuitable) extinguishing media

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

Specific hazards arising from the chemical: In the event of fire the following can be released: - Carbon monoxide, carbon dioxide, silicon dioxide

Special protective equipment and precautions for firefighters

Special fire fighting procedures: No specific precautions.
Special protective equipment for fire-fighters: As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment.
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: Do not allow to enter drains or waterways Do not discharge into the subsoil/soil.

7. Handling and storage

Handling

Technical measures (e.g. Local and general ventilation): Good general (mechanical) ventilation should be sufficient to control airborne levels.
Safe handling advice: Avoid contact with skin and eyes. Do not inhale gases/vapours/aerosols.No special measures necessary if stored and handled as prescribed.

Contact avoidance measures: No data available.

Hygiene measures: Avoid contact with eyes. At work, do not eat, drink, smoke or take drugs. Wash hands before breaks and after work. Use barrier skin cream. Clean skin thoroughly after work; apply skin cream. Remove soiled or soaked clothing immediately.

Storage

Safe storage conditions: Keep container tightly closed.

Safe packaging materials: No data available.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
Siloxanes and Silicones, di-Me, 3-hydroxypropyl Me, ethers with polyethylene glycol mono Me-ether - Vapor.	ST ESL	1,000 µg/m ³	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)
	AN ESL	100 µg/m ³	US. Texas. Effects Screening Levels (Texas Commission on Environmental Quality) (11 2016)

None of the components have assigned exposure limits.
 Hazardous components without workplace control parameters

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

Individual protection measures, such as personal protective equipment

Eye/face protection: Use chemical resistant goggles or safety glasses with side shields.

Skin Protection

Hand Protection: Material: gloves made of nitril (NBR)
 Break-through time: > 480 min

Skin and Body Protection: Protective clothing such as coveralls (tyvek or cloth) should be worn when using this product.

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

Hygiene measures: Avoid contact with eyes. At work, do not eat, drink, smoke or take drugs. Wash hands before breaks and after work. Use barrier skin cream. Clean skin thoroughly after work; apply skin cream. Remove soiled or soaked clothing immediately.

9. Physical and chemical properties

Appearance

Physical state: liquid
Form: liquid
Color: yellowish
Odor: specific to the product
Odor Threshold: not measured
pH: 6 - 8 (20 °C) delivered form

Freezing point:	< 0 °C
Boiling Point:	> 200 °C
Flash Point:	198 °F
Evaporation Rate:	not measured
Flammability (solid, gas):	no data available
Explosive limit - upper (%):	not measured
Explosive limit - lower (%):	not measured
Vapor pressure:	not measured
Vapor density (air=1):	not measured
Density:	1.006 - 1.033 g/cm ³ (25 °C) (DIN 51757)
Relative density:	No data available.
Solubility(ies)	
Solubility in Water:	> 100 g/l (25 °C)
Solubility (other):	not measured
Partition coefficient (n-octanol/water):	not measured
Self Ignition Temperature:	not measured
Decomposition Temperature:	not measured
Kinematic viscosity:	No data available.
Dynamic viscosity:	10 - 100 mPa.s (25 °C, DIN 53015 (Höppler))
Other information	
Explosive properties:	not measured
Oxidizing properties:	not oxidizing
Minimum ignition temperature:	not measured
Metal Corrosion:	Not corrosive to metals

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 No hazardous reactions with proper storage and handling.
Conditions to avoid:	Unknown
Incompatible Materials:	Unknown
Hazardous Decomposition Products:	None with proper storage and handling.

11. Toxicological information

Information on likely routes of exposure

Inhalation:	Relevant route of exposure. Information on effects are given below.
Skin Contact:	Relevant route of exposure. Information on effects are given below.
Eye contact:	Relevant route of exposure. Information on effects are given below.
Ingestion:	If handled correctly, not a relevant route of exposure. Information on effects are given below.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.
Ingestion:	No data available.

Information on toxicological effects**Acute toxicity (list all possible routes of exposure)**

Oral	
Product:	LD 50 (Rat): > 2,000 mg/kg
Dermal	
Product:	no data available
Inhalation	
Product:	Dusts, mists and fumes LC 50 (Rat): 1.08 mg/l

Repeated dose toxicity

Product: no data available

Skin Corrosion/Irritation

Product: mild irritant
OECD 404 (Rabbit): mild irritant

Serious Eye Damage/Eye Irritation

Product: non-irritant
Rabbit: non-irritant

Respiratory or Skin Sensitization

Product: (Guinea Pig)non-sensitizing

Carcinogenicity

Product: No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

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):

No carcinogens present or none present in regulated quantities

Germ Cell Mutagenicity

In vitro
Product: No data available.

In vivo
Product: No data available.

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

Other effects: Harmful by inhalation.

12. Ecological information**Ecotoxicity:****Acute hazards to the aquatic environment:****Fish**

Product: LC 50 (fish, other, 96 h): 7.0 mg/l

Aquatic Invertebrates

Product: EC 50 (Daphnia magna, 48 h): 58 mg/l

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.

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: No data available.

Components:

Siloxanes and Silicones, No data available.
 di-Me, 3-hydroxypropyl
 Me, ethers with
 polyethylene glycol mono
 Me-ether

Other adverse effects: 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

UN/ID/NA number : UN 3082
 Proper shipping name : Environmentally hazardous substance, liquid, n.o.s.
 (Polyethersiloxane-Copolymer)
 Class : 9
 Packing group : III
 Labels : 9
 ERG Code : 171
 Marine pollutant : yes

International Regulations
IATA-DGR

UN/ID No. : UN 3082
 Proper shipping name : Environmentally hazardous substance, liquid, n.o.s.
 (Polyethersiloxane-Copolymer)
 Class : 9
 Packing group : III

Labels : 9MI
Packing instruction (cargo aircraft) : 964
Packing instruction (passenger aircraft) : 964
Environmentally hazardous : yes

IMDG-Code

UN number : UN 3082
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Polyethersiloxane-Copolymer)
Class : 9
Packing group : III
Labels : 9
EmS Code : F-A, S-F
Marine pollutant : yes
Remarks : Stowage category A

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

Not applicable for product as supplied.

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

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)

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**

Acute toxicity (any route of exposure)

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

US. EPCRA (SARA Title III) Section 304 Extremely Hazardous Substances Reporting Quantities and the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Hazardous Substances
SARA 311/312 Hazardous Chemical
Chemical Identity **Threshold Planning Quantity**
SARA 313 (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.

US. New Jersey Worker and Community Right-to-Know Act

No ingredient regulated by NJ Right-to-Know Law present.

US. Massachusetts RTK - Substance List

No ingredient regulated by MA Right-to-Know Law present.

US. Pennsylvania RTK - Hazardous Substances

No ingredient regulated by PA Right-to-Know Law present.

US. Rhode Island RTK

No ingredient regulated by RI Right-to-Know Law present.

Inventory Status:

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

16. Other information, including date of preparation or last revision
HMIS Hazard ID

Health		2
Flammability		2
Physical Hazards		0
PERSONAL PROTECTION		X

Ask supervisor or safety specialist for handling instructions

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

Issue Date: 03/15/2019

Version #: 1.0

Further Information:	CTFA: complies
Revision Information:	Changes since the last version are highlighted in the margin. This version replaces all previous versions.
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