

# SAFETY DATA SHEET

## 1. Identification

**Product identifier:** TEGO® Wet 240

**Chemical name:** Polyether-modified trisiloxane

### Other means of identification

**Recommended use:** Industrial use

**Recommended restrictions:** None known.

### Manufacturer/Importer/Distributor Information

Company Name : Evonik Taiwan Ltd.  
9th Floor, 133  
Minsheng East Road, Section 3  
Taipei 10596  
Taiwan, R.O.C.

Telephone : +886 2 2717 1242

Fax : +886 2 2717 2106

### Emergency telephone number:

24-Hour Health : +886 800 057 119  
Emergency

## 2. Hazard(s) identification

### Classification according to GHS

#### Physical Hazards

Flammable liquids Category 4

#### Health Hazards

Acute toxicity (Inhalation - dust and mist) Category 4

Serious Eye Damage/Eye Irritation Category 2A

#### 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.  
Causes serious eye irritation.  
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. Wash face, hands and any exposed skin thoroughly after handling. 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. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

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

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

**Other hazards:** None known.

### 3. Composition/information on ingredients

**Chemical name:**  
Polyether-modified trisiloxane

#### Substances

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)*
Poly(oxy-1,2-ethanediyl), a-[3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl]propyl]-w-hydroxy-	No data available.	67674-67-3	>60%

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

#### 4. First-aid measures

##### Description of necessary first-aid measures

<b>General information:</b>	Remove soiled or soaked clothing immediately
<b>Inhalation:</b>	fresh air supply, consult a doctor if feeling unwell.
<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 plenty of water and seek medical advice
<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>	Serious eye irritation
<b>Hazards:</b>	No data available.

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

<b>Treatment:</b>	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

<b>Special fire fighting procedures:</b>	No specific precautions.
<b>Special protective equipment for fire-fighters:</b>	Do not inhale explosion and/or combustion gases. Self-contained breathing apparatus.

## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures:</b>	Use personal protective equipment.
<b>Methods and material for containment and cleaning up:</b>	Take up with absorbent material (eg sand, kieselguhr, universal binder) Dispose of absorbed material in accordance with the regulations.
<b>Environmental Precautions:</b>	Do not allow to enter drains or waterways Prevent product from getting into subsoil/soil.

## 7. Handling and storage

### Handling

<b>Technical measures (e.g. Local and general ventilation):</b>	No data available.
<b>Safe handling advice:</b>	Avoid contact with skin and eyes. Do not inhale gases/vapours/aerosols. Provide good ventilation of working area (local exhaust ventilation if necessary).
<b>Contact avoidance measures:</b>	No data available.

### Storage

<b>Safe storage conditions:</b>	Keep container tightly closed in a cool, well-ventilated place.
<b>Safe packaging materials:</b>	No data available.

## 8. Exposure controls/personal protection

### Control Parameters

#### Occupational Exposure Limits

Observe national threshold limit values.

#### Biological Limit Values

Observe national threshold limit values.

#### Appropriate Engineering Controls

No data available.

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

<b>General information:</b>	No data available.
<b>Eye/face protection:</b>	Safety goggles
<b>Skin Protection</b>	
<b>Hand Protection:</b>	Material: Nitrile rubber. Break-through time: 480 min
<b>Other:</b>	protective clothing
<b>Respiratory Protection:</b>	in case of formation of vapours/aerosols: Short term: filter apparatus, combination filter A-P2
<b>Hygiene measures:</b>	When using do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product. 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>	slightly yellowish
<b>Odor:</b>	Characteristic
<b>Odor Threshold:</b>	not measured
<b>Freezing point:</b>	not measured
<b>Boiling Point:</b>	not measured
<b>Flammability:</b>	not measured

#### Upper/lower limit on flammability or explosive limits

<b>Explosive limit - upper:</b>	not measured
<b>Explosive limit - lower:</b>	not measured
<b>Flash Point:</b>	189 °F/87 °C (DIN EN 22719)
<b>Self Ignition Temperature:</b>	not measured
<b>Decomposition Temperature:</b>	not measured

**pH:** 5 - 7 (100 g/l, 77 °F/25 °C) in Water

#### Viscosity

<b>Dynamic viscosity:</b>	30 - 50 mPa.s (77 °F/25 °C, DIN 53015)
<b>Kinematic viscosity:</b>	29 - 49 mm <sup>2</sup> /s (77 °F/25 °C, calculated)
<b>Flow Time:</b>	No data available.

#### Solubility(ies)

<b>Solubility in Water:</b>	(68 °F/20 °C) Soluble
<b>Solubility (other):</b>	not measured
<b>Partition coefficient (n-octanol/water):</b>	not measured
<b>Vapor pressure:</b>	not measured
<b>Relative density:</b>	not measured

**Density:** 1,02 g/cm<sup>3</sup> (77 °F/25 °C) (DIN 51757)  
**Bulk density:** No data available.  
**Relative vapor density:** not measured

**Particle characteristics**

**Particle Size:** No data available.  
**Particle Size Distribution:** No data available.  
**Specific surface area:** No data available.  
**Surface charge/Zeta potential:** No data available.  
**Shape:** No data available.  
**Crystallinity:** No data available.  
**Surface treatment:** No data available.

**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): > 5.000 mg/kg

**Components:**

Poly(oxy-1,2-ethanediyl), LD 50 (Rat): > 5.000 mg/kg  
 a-[3-[1,3,3,3-tetramethyl-  
 1-  
 [(trimethylsilyl)oxy]disilox  
 anyl]propyl]-w-hydroxy-

**Dermal**

**Product:** LD 50 (Rat): > 5.000 mg/kg

**Components:**

Poly(oxy-1,2-ethanediyl), LD 50 (Rat): > 5.000 mg/kg  
 a-[3-[1,3,3,3-tetramethyl-  
 1-  
 [(trimethylsilyl)oxy]disilox  
 anyl]propyl]-w-hydroxy-

**Inhalation**

**Product:** LC 50 (Rat, 4 h): 1,08 mg/l Dusts, mists and fumes

**Components:**

Poly(oxy-1,2-ethanediyl), LC 50 (Rat, 4 h): 1,08 mg/l Dusts, mists and fumes No data available.,  
 a-[3-[1,3,3,3-tetramethyl- Vapour  
 1-  
 [(trimethylsilyl)oxy]disilox  
 anyl]propyl]-w-hydroxy-

**Repeated dose toxicity**

**Product:** No data available.

**Components:**

Poly(oxy-1,2-ethanediyl), No data available.  
 a-[3-[1,3,3,3-tetramethyl-  
 1-  
 [(trimethylsilyl)oxy]disilox  
 anyl]propyl]-w-hydroxy-

**Skin Corrosion/Irritation**

**Product:** No data available.

**Components:**

Poly(oxy-1,2-ethanediyl), (Rabbit): Not irritating  
 a-[3-[1,3,3,3-tetramethyl-  
 1-  
 [(trimethylsilyl)oxy]disilox  
 anyl]propyl]-w-hydroxy-

**Serious Eye Damage/Eye Irritation**

**Product:** No data available.

**Components:**

Poly(oxy-1,2-ethanediyl),  
 a-[3-[1,3,3,3-tetramethyl-  
 1-  
 [(trimethylsilyl)oxy]disilox  
 anyl]propyl]-w-hydroxy-

(Rabbit): Irritating.

### Respiratory or Skin Sensitization

**Product:** No data available.

**Components:** Sensitization test (Guinea Pig): Not a skin sensitizer. (analogy)  
 Poly(oxy-1,2-ethanediyl),  
 a-[3-[1,3,3,3-tetramethyl-  
 1-  
 [(trimethylsilyl)oxy]disilox  
 anyl]propyl]-w-hydroxy-

### Carcinogenicity

**Product:** No data available.

**Components:** No data available.  
 Poly(oxy-1,2-ethanediyl),  
 a-[3-[1,3,3,3-tetramethyl-  
 1-  
 [(trimethylsilyl)oxy]disilox  
 anyl]propyl]-w-hydroxy-

### Germ Cell Mutagenicity

No data available.

### In vitro

**Product:** No data available.

**Components:** No data available.  
 Poly(oxy-1,2-ethanediyl),  
 a-[3-[1,3,3,3-tetramethyl-  
 1-  
 [(trimethylsilyl)oxy]disilox  
 anyl]propyl]-w-hydroxy-

### In vivo

**Product:** No data available.

**Components:** No data available.  
 Poly(oxy-1,2-ethanediyl),  
 a-[3-[1,3,3,3-tetramethyl-  
 1-  
 [(trimethylsilyl)oxy]disilox  
 anyl]propyl]-w-hydroxy-

### Reproductive toxicity

**Product:** No data available.

**Components:** No data available.  
 Poly(oxy-1,2-ethanediyl),  
 a-[3-[1,3,3,3-tetramethyl-  
 1-  
 [(trimethylsilyl)oxy]disilox  
 anyl]propyl]-w-hydroxy-

### Specific Target Organ Toxicity - Single Exposure

**Product:** No data available.

**Components:**  
 Poly(oxy-1,2-ethanediyl), a-[3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl]propyl]-w-hydroxy-

#### Specific Target Organ Toxicity - Repeated Exposure

**Product:** No data available.

**Components:**  
 Poly(oxy-1,2-ethanediyl), a-[3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl]propyl]-w-hydroxy-

#### Aspiration Hazard

**Product:** Not classified

**Components:**  
 Poly(oxy-1,2-ethanediyl), a-[3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl]propyl]-w-hydroxy-

#### Information on health hazards

##### Other hazards

**Product:** No data available.

## 12. Ecological information

#### Ecotoxicity:

##### Acute hazards to the aquatic environment:

##### Fish

**Product:** No data available.

**Components:**  
 Poly(oxy-1,2-ethanediyl), a-[3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl]propyl]-w-hydroxy-

##### Aquatic Invertebrates

**Product:** No data available.

**Components:**  
 Poly(oxy-1,2-ethanediyl), a-[3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl]propyl]-w-hydroxy-

### Toxicity to Aquatic Plants

<b>Product:</b>	No data available.
<b>Components:</b>	
Poly(oxy-1,2-ethanediyl), a-[3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl]propyl]-w-hydroxy-	EC 50 (Desmodesmus subspicatus (Scenedesmus subspicatus), 72 h): 28,2 mg/l
	EC 50 (Desmodesmus subspicatus (Scenedesmus subspicatus), 72 h): 152,2 mg/l

### Toxicity to microorganisms

<b>Product:</b>	No data available.
<b>Components:</b>	
Poly(oxy-1,2-ethanediyl), a-[3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl]propyl]-w-hydroxy-	No data available.

### Chronic hazards to the aquatic environment:

#### Fish

<b>Product:</b>	No data available.
<b>Components:</b>	
Poly(oxy-1,2-ethanediyl), a-[3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl]propyl]-w-hydroxy-	No data available.

#### Aquatic Invertebrates

<b>Product:</b>	No data available.
<b>Components:</b>	
Poly(oxy-1,2-ethanediyl), a-[3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl]propyl]-w-hydroxy-	No data available.

### Toxicity to Aquatic Plants

<b>Product:</b>	No data available.
<b>Components:</b>	
Poly(oxy-1,2-ethanediyl), a-[3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl]propyl]-w-hydroxy-	No data available.

### Toxicity to microorganisms

<b>Product:</b>	No data available.
<b>Components:</b>	
Poly(oxy-1,2-ethanediyl), a-[3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl]propyl]-w-hydroxy-	No data available.

## Persistence and Degradability

### Biodegradation

**Product:** No data available.

**Components:**

Poly(oxy-1,2-ethanediyl),  
a-[3-[1,3,3,3-tetramethyl-  
1-  
[(trimethylsilyl)oxy]disilox  
anyl]propyl]-w-hydroxy-

### BOD/COD Ratio

**Product:** No data available.

**Components:**

Poly(oxy-1,2-ethanediyl),  
a-[3-[1,3,3,3-tetramethyl-  
1-  
[(trimethylsilyl)oxy]disilox  
anyl]propyl]-w-hydroxy-

## Bioaccumulative potential

### Bioconcentration Factor (BCF)

**Product:** No data available.

**Components:**

Poly(oxy-1,2-ethanediyl),  
a-[3-[1,3,3,3-tetramethyl-  
1-  
[(trimethylsilyl)oxy]disilox  
anyl]propyl]-w-hydroxy-

### Partition Coefficient n-octanol / water (log Kow)

**Product:** Log Kow: not measured

**Components:**

Poly(oxy-1,2-ethanediyl),  
a-[3-[1,3,3,3-tetramethyl-  
1-  
[(trimethylsilyl)oxy]disilox  
anyl]propyl]-w-hydroxy-

## Mobility in soil:

**Product** No data available.

**Components:**

Poly(oxy-1,2-ethanediyl), a-  
[3-[1,3,3,3-tetramethyl-1-  
[(trimethylsilyl)oxy]disiloxanyl  
]propyl]-w-hydroxy-

## Results of PBT and vPvB assessment:

**Product** No data available.

**Components:**

Poly(oxy-1,2-ethanediyl), a-  
[3-[1,3,3,3-tetramethyl-1-  
[(trimethylsilyl)oxy]disiloxanyl  
]propyl]-w-hydroxy-

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**

**International Regulations**

**UNRTDG**

Not regulated as a dangerous good

**IATA-DGR**

Not regulated as a dangerous good

**IMDG-Code**

Not regulated as a dangerous good

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

Not applicable for product as supplied.

**15. Regulatory information**

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

**Issue Date:** 24.01.2022

**Version #:** 1.2

**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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