

## Material Safety Data Sheet

Version: 6.3

Revision Date : 05/29/2012  
Date Issued : 08/23/2013

### TEGO WET 280

#### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Trade name : TEGO WET 280  
 PRODUCT CODE : 205511  
 CHEMICAL FAMILY : Polyethersiloxane-Copolymer

Information on manufacturer/supplier : Evonik Industries AG  
 Werk Tego  
 Goldschmidtstr. 100  
 Essen, 05 45127

Emergency telephone number (24h) : Telephone:  
 CHEMTREC (800) 424-9300  
 CANUTEC (613) 996-6666  
 Non-Emergency Phone Number: (800) 732-5616

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No.	Concentration [%]
Siloxanes and Silicones, di-Me, 3-hydroxypropyl Me, ethers with polyethylene glycol mono Me-ether	68938-54-5	84

#### 3. HAZARDS IDENTIFICATION

##### Emergency Overview

##### **Physical Appearance**

Form : Liquid  
 Colour : yellowish  
 Odour : specific to the product  
 Water solubility : clearly soluble  
 pH : not measured

##### **Potential health effects**

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- Immediate concerns : Harmful by inhalation.  
Toxic for aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- Eyes : No harmful effects have been reported upon contact with the eyes.
- Skin : Mildly irritating to skin.
- Ingestion : No harmful effects have been reported upon ingestion.
- Inhalation : Harmful by inhalation.
- Primary routes of entry : Skin, Inhalation
- Target organs : Skin, Respiratory System
- Carcinogenicity : Not listed by NTP, IARC, ACGIH, or OSHA as a carcinogen.

#### 4. FIRST AID MEASURES

- Eyes : In case of contact with eyes, rinse thoroughly with water and seek medical advice.
- Skin : Immediately and thoroughly, wash off with soap and water. Seek medical attention. Show this data sheet.
- Ingestion : If swallowed, seek medical attention immediately and show MSDS.
- Inhalation : Ensure supply of fresh air. In the event of symptoms, seek medical treatment.
- General advice : Remove soiled or soaked clothing immediately

#### 5. FIRE-FIGHTING MEASURES

- Flash point : 198 °F
- Autoignition temperature : not measured
- Upper Explosion limits : not measured

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- Lower explosion limit : not measured
- Suitable extinguishing media : foam, carbon dioxide, dry powder, water spray.
- Extinguishing media which must not be used for safety reasons : not applicable
- Products in case of fire : In the event of fire the following can be released:  
- Carbon monoxide, carbon dioxide, silicon dioxide
- Further information : Collect contaminated firefighting water separately, must not be discharged into the drains.
- 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.
- Hazardous decomposition products : None with proper storage and handling.
- OSHA flammable class : Combustible Liquid, Class IIIA

## 6. ACCIDENTAL RELEASE MEASURES

- Methods for cleaning up / taking up : Small spills :  
Use personal protective equipment. Do not allow to enter drains or waterways. Do not discharge into the subsoil/soil. Take up with absorbent material (e.g. sand, kieselguhr, universal binder).

Release Notes :

US regulations require reporting spills of this material that could reach any surface waters

In case of accident or road spill notify :

Telephone:

CHEMTREC USA (800) 424-9300  
CANUTEC Canada (613) 996-6666  
CHEMTREC (other countries) (International code)+1-202-483-7616

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## 7. HANDLING AND STORAGE

### General Procedures Handling

- Advice on safe handling : Wear respiratory protection when spraying.
- Advice on protection against fire and explosion : Keep away from sources of ignition - no smoking  
Cool endangered containers by water spray  
Take precautionary measures against electrostatic loading.

### Storage

- Further information : Keep container tightly closed

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Personal protective equipment

- General protective measures : Avoid contact with eyes and skin  
Do not inhale gases/vapours/aerosols.
- 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.
- Respiratory protection : In case of formation of vapors/aerosols: respiratory protective equipment, cartridge for organic gases and vapors.
- Hand protection : PVC gloves
- Eye protection : Use chemical resistant goggles or safety glasses with side shields.
- Protective clothing : Protective clothing such as coveralls (tyvek or cloth) should be worn when using this product.

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Engineering controls : Good general (mechanical) ventilation should be sufficient to control airborne levels.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form : Liquid  
Colour : yellowish  
Odour : specific to the product  
State of aggregation : Liquid

Melting temperature : not measured  
Boiling temperature : not measured  
Vapour pressure : not measured

Density : 1.006 - 1.033 g/cm<sup>3</sup>  
at 77.00 °F  
Method: DIN 51757

Weight per volume : 8.33 Lb/Gal

Water solubility : > 100 g/l  
at 25 °C  
clearly soluble

pH : not measured

Viscosity, dynamic : 10 - 100 mPa.s  
at 25 °C  
Method: DIN 53015 (Höppler)

Volatile organic compound : 60.95 g/l  
0.51 Lb/Gal  
percentage volatile: 6.07 %  
Percent Water:0.085 %  
percent non-volatile: 93.93 %

## 10. STABILITY AND REACTIVITY

Conditions to avoid : None

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Thermal decomposition : Not measured

Hazardous reactions : No hazardous reactions with proper storage and handling.

Hazardous polymerisation : No

Stability : Yes

Hazardous decomposition products : None with proper storage and handling.

#### 11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50 Species: rat  
Dose: > 2,000 mg/kg  
Method: OECD 423

Acute inhalation toxicity : LC50 Species: rat  
Dose: 1.08 mg/l  
Exposure time: 4 h  
Method: OECD 403  
Source: in Analogie

Skin irritation : Species: rabbit  
mild irritant  
Method: OECD 404

Eye irritation : Species: rabbit  
non-irritant  
Method: OECD 405

Sensitization : Species: Guinea pig  
Classification: Did not cause sensitization on laboratory animals.  
non-sensitizing  
Source: in Analogie

Note : Harmful by inhalation.

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## 12. ECOLOGICAL INFORMATION

### Ecotoxicity effects

Toxicity to fish : LC50 Species: fish, other  
Dose: 7.0 mg/l  
Exposure time: 96 h  
Method: OECD 203

Toxicity to daphnia : EC50 Species: Daphnia magna  
Dose: 58 mg/l  
Exposure time: 48 h  
Method: OECD 202

### Further ecological information

Ecological notes : Do not allow to enter soil, waterways or waste water canal.

## 13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with local, state, and federal regulations.

Product disposal and disposal requirements : 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

### Sea transport

#### IMDG:

Class : 9  
UN-No : 3082  
PG : III  
MFAG :  
EmS : F-A S-F  
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
Hazard release : Polyethersiloxane-Copolymer  
Label : 9  
Marine pollutant

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#### Air transport

##### ICAO/IATA:

Class : 9  
UN-No : 3082  
PG : III  
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S.  
Hazard release : Polyethersiloxane-Copolymer  
Label : 9

#### DOT (Department of Transportation)

##### CFR Road:

Class : 9  
UN-No : 3082  
PG : III  
Proper shipping name : Environmentally hazardous substances, liquid, n.o.s.  
Correct technical name : Polyethersiloxane-Copolymer  
Label : 9  
Marine pollutant

##### CFR Rail:

Class : 9  
UN-No : 3082  
PG : III  
Proper shipping name : Environmentally hazardous substances, liquid, n.o.s.  
Correct technical name : Polyethersiloxane-Copolymer  
Label : 9  
Marine pollutant

#### CANADA Transport of Dangerous goods

##### TDG Road:

Class : 9  
UN-No : 3082  
PG : III  
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S.  
Correct technical name : Polyethersiloxane-Copolymer  
Label : 9  
Marine pollutant

##### TDG Rail:

Class : 9  
UN-No : 3082  
PG : III  
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,



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Correct technical name : N.O.S.  
Label : Polyethersiloxane-Copolymer  
: 9  
Marine pollutant

## 15. REGULATORY INFORMATION

### United States

SARA Section 311/312 : Fire: Yes  
Pressure generating: No  
Reactivity: No  
Acute: Yes  
Chronic: No

SARA Sections : SECTION 313  
Notification : No  
This product contains no SARA Title III, Section 313 listed chemicals.

Notification Status : TSCA  
Notification : Yes  
All intentional ingredients are listed in the TSCA Inventory or comply with TSCA Polymer Exemption criteria per 40 CFR 723.

California Proposition 65 Statement : Notification : No  
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.

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Canada : WHMIS CLASSIFICATION  
Class B, Division 3, Combustible Liquid  
Class D, Division 2, Subdivision B

This product contains component(s) that are listed on the WHMIS Ingredient Disclosure List.

Components	CAS-No.
2-Propanol, 1,1',1"-nitrilotris-	122-20-3

Notification Status : Canadian Environmental Protection Act  
DSL  
Notification : Yes  
All intentional ingredients are listed on the DSL (Domestic Substance List) or have been notified pursuant to the NSN regulations.

## 16. OTHER INFORMATION

HMIS Codes : Fire : 2  
Health : 2  
Physical Hazard : 0  
Protection : X

Manufacturer disclaimer : While the information and recommendations contained herein are believed to be accurate, we make no warranty with respect hereto and disclaim all liability from reliance thereon

**END OF MSDS**