

Material Safety Data Sheet

Version: 6.0

Revision Date : 02/25/2011
Date Issued : 08/23/2013

TEGO WET 270

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

Trade name : TEGO WET 270
PRODUCT CODE : 205510
CHEMICAL FAMILY : PolyethersiloxaneInformation on manufacturer/supplier : Evonik Industries AG
Werk Tego
Goldschmidtstr. 100
Essen, 05 45127Emergency 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	85

3. HAZARDS IDENTIFICATION

Emergency Overview

Physical Appearance

Form : Liquid
Colour : yellowish
Odour : specific to the product
Water solubility : emulsifiable

pH :
not measured

Potential health effects

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Immediate concerns	: Harmful by inhalation and in contact with skin. Irritating to skin. Risk of serious damage to eyes. Toxic for aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Eyes	: Strongly irritating to eyes.
Skin	: Slightly irritating to skin upon contact.
Ingestion	: No harmful effects have been reported upon ingestion.
Inhalation	: Harmful by inhalation.
Primary routes of entry	: Eyes, Skin, Inhalation
Target organs	: Eyes, Skin, Respiratory Tract
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. Consult physician if irritation persists.
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	: > 212 °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 IIIB

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 : 1.00 g/cm³
Weight per volume : 8.30 Lb/Gal
Water solubility : > 100 g/l
at 25 °C
emulsifiable

pH : not measured
Viscosity, dynamic : 10 - 100 mPa.s
at 25 °C
Method: DIN 53015 (Höppler)

Volatile organic compound : 120.87 g/l
1.01 Lb/Gal
percentage volatile: 12.11 %
Percent Water:0.015 %
percent non-volatile: 87.89 %

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 aero. Species: rat
Dose: 1.08 mg/l
Exposure time: 4 h
Method: OECD 403
Source: Untersuchungsbericht/Evonik Goldschmidt GmbH

Acute toxicity estimate
Dose: 11.01 mg/l
Method: Calculation method

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

Eye irritation : slight irritant
Method: HET-CAM-Test

Species: rabbit
non-irritant
Method: OECD 405

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

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Note : Harmful by inhalation.
By analogy with a product of similar composition
Due to the composition of the product it cannot be excluded:
Irritates eyes and skin

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Toxicity to fish : LC50 Species: rainbow trout
Dose: 2.1 mg/l

Toxicity to daphnia : EC50 Species: Daphnia magna
Dose: 1.1 mg/l

Toxicity to algae : EC50 Species: Scenedesmus subspicatus
Dose: 28.2 mg/l
refer to biomass

EC50 Species: Scenedesmus subspicatus
Dose: 152.2 mg/l
growth rate

Further ecological information

Ecological notes : The product is considered to be a water pollutant (German law).
Do not allow to enter soil, waterways or waste water canal.
The ecological data have been established for similar products.

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.

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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
Label : 9
Marine pollutant

Air transport

ICAO/IATA:

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

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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
Label : 9
Marine pollutant

TDG Rail:

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

United States

- SARA Section 311/312 : Fire: No
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.
- SARA Sections : SARA EHS
Notification : No
- 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.

Canada

- : WHMIS CLASSIFICATION
Class D, Division 2B
- 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.

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16. OTHER INFORMATION

HMIS Codes : Fire : 1
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