

Material Safety Data Sheet

Version: 1.9

Revision Date : 01/24/2013
Date Issued : 08/23/2013

TEGO TWIN 4000

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

Trade name : TEGO TWIN 4000
 PRODUCT CODE : 206981
 CHEMICAL FAMILY : Polyether-modified polysiloxane

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 [%]
All Ingredients Are Proprietary		

3. HAZARDS IDENTIFICATION

Emergency Overview

Physical Appearance

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

pH :
not measured

Potential health effects

Immediate concerns : No particular hazards known.

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- Eyes : No harmful effects have been reported upon contact with the eyes.
- Skin : No harmful effects have been reported upon contact with skin.
- Ingestion : No harmful effects have been reported upon ingestion.
- Inhalation : No harmful effects have been reported upon inhalation.
- Primary routes of entry : None
- Target organs : None
- 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 plenty of water. If symptoms persist, 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
- Lower explosion limit : not measured

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- 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
- 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 : No special measures required.

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 : brownish
Odour : specific to the product
State of aggregation : Liquid

Melting temperature : not measured
Boiling temperature : not measured
Vapour pressure : not measured
Density : 0.970 - 1.030 g/cm³
at 77.00 °F
Water solubility : > 100 g/l
at 25 °C
emulsifiable

pH : not measured
Viscosity, dynamic : 70 - 250 mPa.s
at 25 °C
Method: DIN 53015 (Höppler)

Volatile organic compound : Percent Water:0.01 %

10. STABILITY AND REACTIVITY

Conditions to avoid : None
Thermal decomposition : Not measured
Hazardous reactions : No hazardous reactions with proper storage and handling.
Hazardous polymerisation : No
Stability : Yes

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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
- Skin irritation : Species: rabbit
non-irritant
Method: OECD 404
- Eye irritation : Species: rabbit
non-irritant
Method: OECD 405
- Note : Proper use provided, no adverse health effects have been observed or have been come to our knowledge.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Toxicity to daphnia : EC50 Species: Daphnia magna
Dose: > 100 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.

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14. TRANSPORT INFORMATION

Sea transport

IMDG:

Not regulated

Air transport

ICAO/IATA:

Not regulated

DOT (Department of Transportation)

CFR Road:

Not regulated

CFR Rail:

Not regulated

CANADA Transport of Dangerous goods

TDG Road:

Not regulated

TDG Rail:

Not regulated

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15. REGULATORY INFORMATION

United States

- SARA Section 311/312 : Fire: No
Pressure generating: No
Reactivity: No
Acute: No
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.

Canada

- : WHMIS CLASSIFICATION
Non-WHMIS
- This product does not contain component(s) on the WHMIS Ingredient Disclosure List.
- 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 : 1
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