

Material Safety Data Sheet

Version: 2.0

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

TEGO TWIN 4100

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

Trade name : TEGO TWIN 4100
 PRODUCT CODE : 209698
 CHEMICAL FAMILY : Silicone based wetting agent

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 [%]
2-Propanol, 1,1',1"-nitrilotris-	122-20-3	< 0.1
Platinum	7440-06-4	< 0.001
Oxirane, methyl-,polymer with oxirane, mono[3-[1,3,3,-tetramethyl-1-[(trimethylsilyl)oxy]disloxanyl]propyl]ether	134180-76-0	10 - 20

3. HAZARDS IDENTIFICATION

Emergency Overview

Physical Appearance

Form : Liquid
 Colour : yellowish
 Odour : specific to the product
 Water solubility : insoluble
 pH : not applicable

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Potential health effects

- Immediate concerns : No particular hazards known.
- 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 water.
In the event of symptoms seek medical advice.
- Skin : In case of contact with skin wash off with soap and water.
In the event of symptoms seek medical advice.
- Ingestion : Thoroughly clean the mouth with water
In the event of symptoms seek medical advice.
- Inhalation : Ensure supply of fresh air.
In the event of symptoms take medical treatment.

Notes to physician

- Symptoms : No special hints.
- Treatment : Treat symptomatically.

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General advice : Remove soiled or soaked clothing immediately

5. FIRE-FIGHTING MEASURES

- Flash point : 291.20 °F
Method: DIN EN 22719 (DIN 51758)
- Autoignition temperature : not measured
- Upper Explosion limits : not measured
- 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 : Full water jet
- 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 : Do not inhale explosion and/or combustion gases
Use self-contained breathing apparatus
- 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 :
Take up with absorbent material (Sand, Universal Binder).
Take up absorbent material. When absorbed, sweep or otherwise collect and dispose of properly.

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:

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

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

OSHA hazardous components (29 CFR 1910.1200)

Components	CAS-No.	Base	Type	Value	Note
Platinum	7440-06-4	US. ACGIH Threshold Limit Values	Time Weighted Average (TWA):	1 mg/m3	
Platinum	7440-06-4	US. NIOSH: Pocket Guide to Chemical Hazards	Recommended exposure limit (REL):	1 mg/m3	

Personal protective equipment

General protective measures : Avoid contact with eyes and skin
Do not inhale gases/vapours/aerosols.

Hygiene measures : Do not eat, drink or smoke when working.
Wash hands before breaks and after work.
Remove soiled or soaked clothing immediately.

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

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- Hand protection : PVC gloves
The protective gloves to be worn must satisfy the specifications of EC Guideline 89/686/EEC and the resulting Standard EN374.
- Eye protection : This product is not classified as a hazardous substance. Any necessity for eye protection must be determined within the scope of a risk assessment.
- Protective clothing : protective clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

- Form : Liquid
Colour : yellowish
Odour : specific to the product
Melting temperature : not measured
- Boiling temperature : not measured
- Vapour pressure : not measured
- Density : 1.075 g/cm³
- Water solubility : insoluble
- pH : not applicable
- Viscosity, dynamic : 641 mPa.s
at 25 °C
Method: DIN 53015 (Höppler)
- 251 mPa.s
at 40 °C
Method: DIN 53015 (Höppler)
- Volatile organic compound : 109.45 g/l
0.91 Lb/Gal
percentage volatile: 10.44 %
Percent Water:0.27 %
percent non-volatile: 89.56 %

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10. STABILITY AND REACTIVITY

- Conditions to avoid : None
- Thermal decomposition : not measured
- Hazardous reactions : No hazardous reactions with proper storage and handling.
- 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 : Acute toxicity estimate
Dose: > 20 mg/l
Method: Calculation method
- 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.
By analogy with a product of similar composition

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

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Ecological notes : Do not allow to enter soil, waterways or waste water canal.
By analogy with a product of similar composition

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:

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.
- State regulations : MASS. RIGHT TO KNOW
Notification : Yes

RHODE ISLAND RTK
Notification : Yes

NEW JERSEY RTK
Notification : Yes

PENNSYLVANIA RTK
Notification : Yes

- 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
Non-WHMIS

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
Platinum	7440-06-4

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.

Notification Status : Canadian Environmental Protection Act
NDSL
Notification : Yes

16. OTHER INFORMATION

HMIS Codes : Fire : 1
Health : 1
Physical Hazard : 0
Protection : X

Other information :

Comply with national laws regulating employee instruction.

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