

Material Safety Data Sheet

Version: 7.2

Revision Date : 03/22/2013
Date Issued : 08/23/2013

TEGO WET KL 245

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

Trade name : TEGO WET KL 245
 PRODUCT CODE : 200389
 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 [%]
Oxirane, methyl, polymer with oxirane, mono(3-(1,3,3,3-tetra methyl-1-((trimethylsilyl)oxy)disiloxanyl)propyl)ether	134180-76-0	>= 75 - <= 100

3. HAZARDS IDENTIFICATION

Emergency Overview

Physical Appearance

Form : Liquid
 Colour : colourless, clear
 Odour : slight, typical
 Water solubility : soluble
 pH : 5.5 - 7.5

Potential health effects

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Immediate concerns : Harmful by inhalation.
Irritating to eyes.

Eyes : Irritating to eyes.

Skin : May cause slight irritation.

Ingestion : No harmful acute effects have been reported.

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 plenty of water. If symptoms persist, seek medical advice.

Skin : Immediately wash off with soap and water. If irritation persists, seek medical attention. Show this data sheet.

Ingestion : Seek medical advice and show this data sheet.

Inhalation : Remove individual from site of exposure and place in fresh air. If symptoms occur, seek medical attention and show this data sheet.

Notes to physician

Symptoms : Eye irritation

Treatment : Treat symptomatically.

General advice : Remove soiled or soaked clothing immediately

5. FIRE-FIGHTING MEASURES

Flash point : 212 °F
Method: TAG CC

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- 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 : 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 : formation of aerosols or vapors during processing and application should be prevented.
Wear respiratory protection when spraying.

Advice on protection against fire and explosion : No special measures required.

Storage

Further information : Keep container tightly closed in a well-ventilated place
Protect from freezing.

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 : Do not eat, drink or smoke when working.
Remove soiled or soaked clothing immediately.
Wash hands before breaks and after work.
Use barrier skin cream.

Respiratory protection : Wear dust/mist respirator (MSHA/NIOSH TC-21C) or NIOSH approved respirator with N,R,P or HE filter.

Hand protection : Examples of suitable gloves are those made by the company Kächele-Cama Latex GmbH, Am Kreuzacker 9, D-36124 Eichenzell, e-mail vertrieb@kcl.de, with subsequent specification (test according to EN374); specific workplace conditions must be separately taken into account.
These recommendations apply only to the product mentioned in the material data safety sheet that we supply and the purpose that we indicate.

Eye protection : Safety goggles and/or face shield is recommended for use.

Protective clothing : Light protective clothing is required.

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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 : colourless, clear
Odour : slight, typical
State of aggregation : Liquid

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

Density : 1.03 - 1.05 g/cm³
at 77.00 °F
Method: DIN 51757

Weight per volume : 8.66 Lb/Gal

Water solubility : soluble

pH : 5.5 - 7.5
at 40 g/l water
at 20 °C

Viscosity, dynamic : 60 - 140 mPa.s
at 25 °C

Volatile organic compound : 15.15 g/l
0.13 Lb/Gal
percent non-volatile: 98.5 %

10. STABILITY AND REACTIVITY

Conditions to avoid : None with proper storing and handling.

Thermal decomposition : not measured

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

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Hazardous polymerisation : No
Stability : Yes
Hazardous decomposition : None with proper storage and handling.
products

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50 Species: rat
Dose: > 2,000 mg/kg
Method: OECD 425

Acute inhalation toxicity : LC50 Species: rat
Dose: 1.08 mg/l
Exposure time: 4 h
Method: OECD 403
By analogy with a product of similar composition

Acute dermal toxicity : LD50 Species: rat
Dose: > 2,000 mg/kg
Method: OECD 402

Skin irritation : Species: rabbit
slight irritant effect - does not require labelling
Method: OECD 404

Eye irritation : Species: rabbit
moderate irritant
Method: OECD 405

Note : The toxicological values refer to the undiluted 100% substance

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12. ECOLOGICAL INFORMATION

Elimination information (persistence and degradability)

Biological degradability : aerobic
> 60 %
Testing period: 28 d
readily degradable
Method: OECD 301 F
Source: Untersuchungsbericht/Evonik Goldschmidt GmbH

Ecotoxicity effects

Toxicity to fish : LC50 Species: sunfish
Dose: 15 mg/l 96 hr
Exposure time: 96 h

Toxicity to daphnia : EC50 Species: Daphnia magna
Dose: 177 mg/l 48 hr
Exposure time: 48 h

Further ecological information

Ecological notes : Use best management practices to limit uncontrolled release to waterways.

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

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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

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.

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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 2, Subdivision B

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.

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