

Material Safety Data Sheet

Version: 2.1

Revision Date : 10/24/2012
Date Issued : 08/23/2013

TEGO RAD 2100

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

Trade name : TEGO RAD 2100
PRODUCT CODE : 200105
CHEMICAL FAMILY : Acrylated polysiloxanesInformation 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 [%]
2-Propenoic acid	79-10-7	< 0.2
Siloxanes and Silicones, 3-[3-(acetyloxy)-2-hydroxypropoxy]propyl Me, di-Me, 3-[2-hydroxy-3-[(1-oxo-2-propen-1-yl)oxy]propoxy]propyl Me	125455-51-8	>= 99

3. HAZARDS IDENTIFICATION

Emergency Overview

Physical Appearance

Form : Liquid
Colour : green
Odour : characteristic
Water solubility : insolublepH :
not applicable

Potential health effects

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Eyes : Non-Irritating to 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 : Flush eye(s) for 15 minutes or more; if irritation persists, consult a physician (preferably an eye specialist) and show MSDS.
Skin : Immediately flush skin with soap and water for 15 minutes or more. Seek medical attention and show this data sheet.
Ingestion : If swallowed, seek medical attention and show MSDS.
Inhalation : Remove individual from site of exposure to fresh air.

Notes to physician

Symptoms : Skin irritation
Treatment : Treat symptomatically.
General advice : Remove soiled or soaked clothing immediately

5. FIRE-FIGHTING MEASURES

Flash point : > 212 °F
Method: TAG CC
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 : 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 :
Control spill with adsorbant pads or booms, if necessary.
Apply granular or loose sorbent to spill. When adsorbed, 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:

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 : No special measures necessary if stored and handled as prescribed.

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

Storage

Further information : Storage: cool and dry
Keep container tightly closed

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

OSHA hazardous components (29 CFR 1910.1200)

Components	CAS-No.	Base	Type	Value	Note
2-Propenoic acid	79-10-7	US. ACGIH Threshold Limit Values	Time Weighted Average (TWA):	2 ppm	
2-Propenoic acid	79-10-7	US. ACGIH Threshold Limit Values	Skin designation:		Can be absorbed through the skin.

Personal protective equipment

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

Hygiene measures : No smoking, eating or drinking allowed when using this product. Wash hands before breaks and at end of work shift. Remove contaminated clothing immediately. Do not inhale aerosols. Launder clothing before reuse.

Respiratory protection : In case of formation of aerosols or vapors, an organic vapor cartridge respirator may be used.

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- 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 : Use chemical resistant goggles or safety glasses with side shields.
- Protective clothing : protective clothing
- Engineering controls : Good general (mechanical) ventilation should be sufficient to control airborne levels.

9. PHYSICAL AND CHEMICAL PROPERTIES

- Form : Liquid
- Colour : green
- Odour : characteristic
- State of aggregation : Liquid
- Melting temperature : not measured
- Boiling temperature : not applicable (polymer)
- Vapour pressure : not measured
- Density : approx. 1 g/cm³
at 77.00 °F
Method: DIN 51757
- Weight per volume : 8.74 Lb/Gal
- Water solubility : insoluble
- pH : not applicable
- Viscosity, dynamic : approx. 590 mPa.s
at 25 °C
Method: Brookfield
- Evaporation rate : Unavailable

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Volatile organic compound : 5.502 g/l
0.046 Lb/Gal
percent non-volatile: 99.47 %

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
Hazardous decomposition products : None with proper storage and handling.

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity : LD50 Species: rat
Dose: > 2,000 mg/kg
Acute inhalation toxicity : The results based on calculation as per chapter 3.1.3.6
Directive 1272/2008/EC are above the classification limits.
Acute dermal toxicity : The results based on calculation as per chapter 3.1.3.6
Directive 1272/2008/EC are above the classification limits.
Skin irritation : Species: rabbit
non-irritant
Eye irritation : Species: rabbit
non-irritant
Sensitization : Species: Guinea pig
Classification: The product is a skin sensitizer, sub-category
1A.
sensitizing
Method: OECD 406 (according to Magnusson and Kligman)
Source: Untersuchungsbericht/Evonik Goldschmidt GmbH

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Note : The toxicological data given are by analogy
Possibility of sensitisation through skin contact.

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.

14. TRANSPORT INFORMATION

Sea transport

IMDG:

Not regulated

Air transport

ICAO/IATA:

Not regulated

DOT (Department of Transportation)

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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 : Yes

Components	CAS-No.
2-Propenoic acid	79-10-7

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.

CERCLA : CAS 79-10-7 : 100 lb

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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-Propenoic acid	79-10-7

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 : 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