

Material Safety Data Sheet

Version: 1.16

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

TEGO RAD 2500

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

Trade name : TEGO RAD 2500
 PRODUCT CODE : 200465
 CHEMICAL FAMILY : Acrylated Polydimethylsiloxane

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 [%]
Cyclotetrasiloxane, 2,2,4,4,6,6,8,8-octamethyl-	556-67-2	< 1
2-Propenoic acid	79-10-7	0.05
Siloxanes and Silicones, di-Me, 3-[2-(hydroxy-3-[(1-oxo-2-propenyl)oxy]propoxy)propyl group-terminated	125455-52-9	98
Cyclopentasiloxane, 2,2,4,4,6,6,8,8,10,10-decamethyl-	541-02-6	< 1

3. HAZARDS IDENTIFICATION

Emergency Overview

Physical Appearance

Form : Liquid
 Colour : coloured
 Odour : like acrylic
 Water solubility : insoluble
 pH : not measured

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Potential health effects

- Immediate concerns : May cause sensitization by skin contact.
May cause allergic reaction.
- Eyes : No harmful effects have been reported upon contact with the eyes.
- Skin : May cause sensitization by skin contact.
- Ingestion : No harmful effects have been reported upon ingestion.
- Inhalation : No harmful effects have been reported upon inhalation.
- Primary routes of entry : Skin
- Target organs : Skin
- 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 and thoroughly, wash off with soap and water.
- Ingestion : Seek medical advice and show this data sheet.
- Inhalation : Remove individual from site of exposure to fresh air.

Notes to physician

- Symptoms : Skin irritation
- Treatment : Treat symptomatically.

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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
- 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

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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

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

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.

Respiratory protection : In the event of aerosol or mist formation, respiratory protective equipment; short term filter apparatus; cartridge for organic gases and vapors. Wear respiratory protection when spraying.

Eye protection : Safety Goggles recommended for use.

Protective clothing : protective clothing

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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 : coloured
Odour : like acrylic
State of aggregation : Liquid

Melting temperature : not measured
Boiling temperature : not measured
Vapour pressure : not measured
Density : 0.999 g/cm³
Weight per volume : 8.33 Lb/Gal
Water solubility : insoluble
pH : not measured
Viscosity, dynamic : approx. 150 mPa.s
at 25 °C
Method: DIN 53019

Volatile organic compound : 1.24 g/l
0.01 Lb/Gal
percentage volatile: 0.15 %
Percent Water:0.025 %
percent non-volatile: 99.85 %

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
Skin irritation : non-irritant
Eye irritation : non-irritant
Sensitization : Species: Guinea pig
Classification: The product is a skin sensitizer, sub-category 1B.
sensitizing
Method: OECD 406 (according to Magnusson and Kligman)
Source: Untersuchungsbericht/Evonik Goldschmidt GmbH
Note : The toxicological data given are by analogy
Possibility of sensitisation through skin contact.

12. ECOLOGICAL INFORMATION

Further ecological information

Ecological notes : The product is considered to be a weak water pollutant
(German law).
Do not allow to enter soil, waterways or waste water canal.

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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 : 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