

Product name: TEGO® Rad 2500

# SAFETY DATA SHEET

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

**Product name:**  
TEGO® Rad 2500

### Additional identification

**Chemical name:** Siloxanes and Silicones, di-Me, 3-[2-(hydroxy-3-[(1-oxo-2-propenyl)oxy]propoxy]propyl group-terminated

**Chemical formula:** -

**INDEX No.** -

**CAS-No.** 125455-52-9

**EC No.** 603-070-6

**REACH Registration No.:** -

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Identified uses:** Industrial use

**Uses advised against:** None known.

### 1.3 Details of the supplier of the safety data sheet

**Company Name** : Evonik Operations GmbH  
Rellinghauser Str. 1-11  
45128 Essen  
Germany

**Telephone** : +49 201 173 01

**Fax** : +49 201 173 3000

**E-mail** : productsafety-cs@evonik.com

### 1.4 Emergency telephone number:

**24-Hour Health** : +49 2365 49 2232  
**Emergency** : +49 2365 49 4423 (Fax)

National Poison Information Service (NPIS)  
England, Scotland and Wales: NHS: 111

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

The product has been classified according to the legislation in force.

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**Health Hazards**

Skin sensitizer

Category 1B H317: May cause an allergic skin reaction.

**2.2 Label Elements**

**Signal Words:**

Warning

**Hazard Statement(s):**

H317: May cause an allergic skin reaction.

**Precautionary Statements**
**Prevention:**

 P261: Avoid breathing dust/fume/gas/mist/vapors/spray.  
 P280: Wear protective gloves/protective clothing/eye protection/face protection.

**Response:**

 P302+P352: IF ON SKIN: Wash with plenty of soap and water.  
 P333+P313: If skin irritation or rash occurs: Get medical advice/attention.  
 P362+P364: Take off contaminated clothing and wash it before reuse.

**Disposal:**

P501: Dispose of contents/ container to an approved facility in accordance with local, regional, national and international regulations.

**2.3 Other hazards**

None known.

<b>SECTION 3: Composition/information on ingredients</b>
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**3.1 Substances**
**Chemical name:**

Siloxanes and Silicones, di-Me, 3-[2-(hydroxy-3-[(1-oxo-2-propenyl)oxy]propoxy)propyl group-terminated

**INDEX No.:**
**CAS-No.:**

125455-52-9

**EC No.:**

603-070-6

**REACH Registration No.:**

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Chemical name	Concentration	CAS-No.	EC No.	UK-REACH Registration No.	REACH Registration No.	M-Factor:	Notes
Siloxanes and Silicones, di-Me, 3-[2-(hydroxy-3-[(1-oxo-2-	50 - <100%	125455-52-9	603-070-6		-	No data available.	

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propenyl)oxy]propoxy]propyl group-terminated							
octamethylcyclotetrasiloxane	0.01 - <0.1%	556-67-2	209-136-7		01-211952923 8-36	Aquatic Toxicity (Chronic): 10	##

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

# This substance has workplace exposure limit(s).

## This substance is listed as SVHC.

**Classification**

Chemical name	Classification	Notes
Siloxanes and Silicones, di-Me, 3-[2-(hydroxy-3-[(1-oxo-2-propenyl)oxy]propoxy]propyl group-terminated	Classification: Skin Sens.: 1: H317;  Supplemental label information: None known.	None.
octamethylcyclotetrasiloxane	Classification: Flam. Liq.: 3: H226; Repr.: 2: H361f; Aquatic Chronic: 1: H410;  Supplemental label information: None known.	None.

**SECTION 4: First aid measures**
**4.1 Description of first aid measures**

<b>General information:</b>	Remove soiled or soaked clothing immediately
<b>Inhalation:</b>	fresh air supply, consult a doctor if feeling unwell.
<b>Skin Contact:</b>	In case of contact with skin wash off with soap and water. In case of discomfort: Supply with medical care.
<b>Eye contact:</b>	In case of contact with eyes rinse thoroughly with water. In case of discomfort: Supply with medical care.
<b>Ingestion:</b>	Thoroughly clean the mouth with water In case of discomfort: Supply with medical care.
<b>Personal Protection for First-aid Responders:</b>	No data available.

**4.2 Most important symptoms and effects, both acute and delayed**

<b>Symptoms:</b>	Up to now no symptoms are known.
<b>Hazards:</b>	No data available.

**4.3 Indication of immediate medical attention and special treatment needed**

<b>Treatment:</b>	Treat symptomatically.
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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing media:** foam, carbon dioxide, dry powder, water spray.

**Unsuitable extinguishing media:** High volume water jet.

### 5.2 Special hazards arising from the substance or mixture:

In the event of fire the following can be released: - Carbon monoxide, carbon dioxide, silicon dioxide Under certain conditions of combustion traces of other toxic substances cannot be excluded

### 5.3 Advice for firefighters

**Special fire fighting procedures:** No specific precautions.

**Special protective equipment for firefighters:** Do not inhale explosion and/or combustion gases. Use self-contained breathing apparatus and wear protective suit

## SECTION 6: Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures:** Use personal protective equipment. Ensure adequate ventilation.

**6.1.1 For non-emergency personnel:** No data available.

**6.1.2 For emergency responders:** No data available.

**6.2 Environmental Precautions:** Do not allow to enter drains or waterways Prevent product from getting into subsoil/soil.

**6.3 Methods and material for containment and cleaning up:** Take up with absorbent material (eg sand, kieselguhr, universal binder) Dispose of absorbed material in accordance with the regulations.

**6.4 Reference to other sections:** For further information on exposure monitoring and disposal see sections 8 and 13.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

**Technical measures:** Installation of an appropriate extraction system is necessary:  
- on the coater head if aerosol formation (misting) of the liquid silicone is observed - at the end of the UV chamber to remove most of the nitrogen gas (free radical curing silicones only), ozone and potential volatiles from the coating material. - when converting cured silicone at temperatures above 120°C - e.g. embossing and hotmelt coating - to remove potentially outgassing components.  
Short term: filter apparatus, combination filter A-P2

**Local/Total ventilation:** No data available.

**Safe handling advice:** Provide good ventilation of working area (local exhaust ventilation if necessary). Do not inhale gases/vapours/aerosols. Avoid contact with skin and eyes. If

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vapours / aerosols are generated during processing, local extraction at the processing machines is recommended. Do not inhale aerosols/ vapours/ gases as they are hazardous.

**Contact avoidance measures:** No data available.

**7.2 Conditions for safe storage, including any incompatibilities**
**Safe storage conditions:** Keep container tightly closed in a cool, well-ventilated place. Keep away from direct sunlight. Do not store together with oxidizing agents. Maximum storage temperature: 30 °C

**Safe packaging materials:** No data available.

**7.3 Specific end use(s):** No further recommendations.

**SECTION 8: Exposure controls/personal protection**
**8.1 Control Parameters**
**Occupational Exposure Limits**

None of the components have assigned exposure limits.

**Biological Limit Values**

No biological exposure limits noted for the ingredient(s).

**DNEL-Values**

Remarks: DNEL-Values

Critical component	Type	Route of Exposure	Health Warnings	Remarks
octamethylcyclotetrasiloxane	General population	Inhalation	Systemic, long-term; 13 mg/m3	Repeated dose toxicity
	Workers	Inhalation	Systemic, long-term; 73 mg/m3	Repeated dose toxicity
	Workers	Inhalation	Local, long-term; 73 mg/m3	Repeated dose toxicity
	General population	Inhalation	Local, long-term; 13 mg/m3	Repeated dose toxicity
	Workers	Eyes	Local effect;	No hazard identified
	General population	Eyes	Local effect;	No hazard identified
	General population	Oral	Systemic, long-term; 3.7 mg/kg	Repeated dose toxicity

**PNEC-Values**

Remarks: PNEC-Values

Critical component	Environmental compartment	PNEC-Values	Remarks
octamethylcyclotetrasiloxane	Predator	41 mg/kg	Oral
	Soil	0.54 mg/kg	
	Sediment (freshwater)	3 mg/kg	
	Aquatic (freshwater)	1.5 µg/l	
	Aquatic (marine water)	0.15 µg/l	
	Sewage treatment plant	10 mg/l	
	Sediment (marine water)	0.3 mg/kg	

**8.2 Exposure controls**
**Appropriate Engineering Controls:** No data available.

**Individual protection measures, such as personal protective equipment**
**Eye/face protection:** Safety glasses

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<b>Hand Protection:</b>	Material: Nitrile rubber. Break-through time: 480 min Glove thickness: 0.1 mm
<b>Skin and Body Protection:</b>	protective clothing
<b>Respiratory Protection:</b>	in case of formation of vapours/aerosols: Short term: filter apparatus, combination filter A-P2
<b>Hygiene measures:</b>	When using do not eat, drink or smoke. Remove soiled or soaked clothing immediately. Wash hands before breaks and immediately after handling the product. Use skin protective preparation as preventive skin protection.
<b>Environmental Controls:</b>	The environmental regulations on the control and monitoring of environmental exposures are to be observed.

<b>SECTION 9: Physical and chemical properties</b>
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**9.1 Information on basic physical and chemical properties**
**Appearance**

<b>Physical state:</b>	liquid
<b>Form:</b>	liquid
<b>Color:</b>	coloured
<b>Odor:</b>	like acrylic
<b>Odor Threshold:</b>	not measured
<b>Freezing point:</b>	not measured
<b>Boiling Point:</b>	not measured
<b>Flammability:</b>	not measured
<b>Upper/lower limit on flammability or explosive limits</b>	
<b>Explosive limit - upper:</b>	not measured
<b>Explosive limit - lower:</b>	not measured
<b>Flash Point:</b>	> 100 °C Method: DIN EN 22719
<b>Auto-ignition temperature:</b>	not measured
<b>Decomposition Temperature:</b>	not measured
<b>pH:</b>	Not applicable

**Viscosity**

<b>Dynamic viscosity:</b>	Approximate 150 mPa.s at 25 °C Method: DIN 53019
<b>Kinematic viscosity:</b>	Approximate 150 mm <sup>2</sup> /s at 25 °C , Method: calculated

**Solubility(ies)**

<b>Solubility in Water:</b>	Insoluble
<b>Solubility (other):</b>	not measured
<b>Partition coefficient (n-octanol/water):</b>	not measured

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<b>Vapor pressure:</b>	not measured
<b>Relative density:</b>	not measured
<b>Density:</b>	Approximate 1 g/cm <sup>3</sup> at 25 °C
<b>Relative vapor density:</b>	not measured

**9.2 Other information**

<b>Explosive properties:</b>	not measured
<b>Oxidizing properties:</b>	not oxidizing
<b>Self-ignition:</b>	not measured
<b>Metal Corrosion:</b>	Not corrosive to metals
<b>Evaporation Rate:</b>	not measured

<b>SECTION 10: Stability and reactivity</b>
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<b>10.1 Reactivity:</b>	see section "Possibility of hazardous reactions".
<b>10.2 Chemical Stability:</b>	The product is stable under normal conditions.
<b>10.3 Possibility of hazardous reactions:</b>	Risk of polymerisation.
<b>10.4 Conditions to avoid:</b>	Open flames, sparks or input of much heat direct sunlight
<b>10.5 Incompatible Materials:</b>	Oxidizing agents.
<b>10.6 Hazardous Decomposition Products:</b>	None with proper storage and handling.

<b>SECTION 11: Toxicological information</b>
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**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
**Information on likely routes of exposure**

<b>Inhalation:</b>	Information on effects are given below.
<b>Skin Contact:</b>	Information on effects are given below.
<b>Eye contact:</b>	Information on effects are given below.
<b>Ingestion:</b>	Information on effects are given below.

**Acute toxicity (list all possible routes of exposure)**
**Oral**

<b>Product:</b>	LD 50, Rat, > 2,000 mg/kg
<b>Components:</b>	Not toxic after single exposure, No data available.
Siloxanes and Silicones, di-Me, 3-[2-(hydroxy-3-[(1-oxo-2-propenyloxy]propoxy]propyl group-terminated octamethylcyclotetrasiloxane	LD 50, Rat, Male, > 5,000 mg/kg, OECD 401

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**Dermal**

**Product:** No data available.  
 Not classified for acute toxicity based on available data.

**Components:**

Siloxanes and Silicones, Not toxic after single exposure, No data available.

di-Me, 3-[2-(hydroxy-3-  
 [(1-oxo-2-  
 propenyl)oxy]propoxy]pro-  
 pyl group-terminated  
 octamethylcyclotetrasilox-  
 ane

LD 50, Rat, Female, Male, > 5,000 mg/kg, OECD 402

**Inhalation**

**Product:** No data available.  
 Not classified for acute toxicity based on available data.

**Components:**

Siloxanes and Silicones, Not toxic after single exposure, Vapour, No data available.

di-Me, 3-[2-(hydroxy-3-  
 [(1-oxo-2-  
 propenyl)oxy]propoxy]pro-  
 pyl group-terminated  
 octamethylcyclotetrasilox-  
 ane

Not toxic after single exposure, Dust and mist, No data available.

LC 50, Rat, Female, Male, 4 h, 36 mg/l, OECD 403, Vapour  
 Not toxic after single exposure, Dust and mist, No data available.

**Repeated dose toxicity**

**Product:** No data available.

**Components:**

Siloxanes and Silicones, No data available.

di-Me, 3-[2-(hydroxy-3-  
 [(1-oxo-2-  
 propenyl)oxy]propoxy]pro-  
 pyl group-terminated  
 octamethylcyclotetrasilox-  
 ane

NOAEC, Rat, Female, Male, Inhalation, Vapour, 5 days/weeks, 6  
 hours/day, 1.8 mg/l, Subchronic toxicity

LOAEC, Rat, Female, Male, Inhalation, Vapour, 5 days/weeks, 6  
 hours/day, 8.5 mg/l, chronic

NOAEC, Rat, Female, Male, Inhalation, Vapour, 5 days/weeks, 6  
 hours/day, 0.36 mg/l, Subacute toxicity

**Skin Corrosion/Irritation**

**Product:** Not irritating, Not irritating

**Components:**

Siloxanes and Silicones, No data available.

di-Me, 3-[2-(hydroxy-3-  
 [(1-oxo-2-  
 propenyl)oxy]propoxy]pro-  
 pyl group-terminated  
 octamethylcyclotetrasilox-  
 ane

Not irritating, OECD 404, Rabbit

**Serious Eye Damage/Eye Irritation**

**Product:** Not irritating, Not irritating

**Components:**

Siloxanes and Silicones, No data available.

di-Me, 3-[2-(hydroxy-3-  
 [(1-oxo-2-  
 propenyl)oxy]propoxy]pro-  
 pyl group-terminated



**Product name: TEGO® Rad 2500**


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octamethylcyclotetrasiloxane Not irritating, OECD 405, Rabbit

**Respiratory or Skin Sensitization**

**Product:** Magnussona i Kligmana., OECD 406, Guinea Pig, Skin sensitizer

**Components:**

Siloxanes and Silicones, di-Me, 3-[2-(hydroxy-3-[(1-oxo-2-propenyl)oxy]propoxy]propyl group-terminated octamethylcyclotetrasiloxane Magnussona i Kligmana., OECD 406, Guinea Pig, May cause sensitization by skin contact.

Magnussona i Kligmana., OECD 406, Rabbit, Not a skin sensitizer. Sensitization test, Human, Not a skin sensitizer. Maximization Test, OECD 406, Guinea Pig, Not a skin sensitizer.

**Carcinogenicity**

**Product:** No data available.

**Components:**

Siloxanes and Silicones, di-Me, 3-[2-(hydroxy-3-[(1-oxo-2-propenyl)oxy]propoxy]propyl group-terminated octamethylcyclotetrasiloxane No data available.

No data available.

**Germ Cell Mutagenicity**

No data available.

**In vitro**

**Product:** No data available.

**Components:**

Siloxanes and Silicones, di-Me, 3-[2-(hydroxy-3-[(1-oxo-2-propenyl)oxy]propoxy]propyl group-terminated octamethylcyclotetrasiloxane No data available.

Ames test, OECD 471: , negative  
 Chromosomal aberration, OECD 473: , negative  
 gene mutation test, OECD 476: , negative

**In vivo**

**Product:** No data available.

**Components:**

Siloxanes and Silicones, di-Me, 3-[2-(hydroxy-3-[(1-oxo-2-propenyl)oxy]propoxy]propyl group-terminated octamethylcyclotetrasiloxane No data available.

Micronucleus test, OECD 474, Inhalation - vapor, Rat, negative  
 Chromosomal aberration, OECD 478, Oral, Rat, negative  
 Chromosomal aberration, OECD 475, Inhalation - vapor, Rat, Female, Male, negative

**Reproductive toxicity**

**Product:** No data available.

**Components:**

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Siloxanes and Silicones, di-Me, 3-[2-(hydroxy-3- [(1-oxo-2- propenyl)oxy]propoxy]pro pyl group-terminated octamethylcyclotetrasilox ane	No data available.        Suspected of damaging fertility or the unborn child. Suspected of damaging fertility.
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**Specific Target Organ Toxicity - Single Exposure**

**Product:** No data available.

**Components:**

Siloxanes and Silicones, di-Me, 3-[2-(hydroxy-3- [(1-oxo-2- propenyl)oxy]propoxy]pro pyl group-terminated octamethylcyclotetrasilox ane	No data available.        No data available.
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**Specific Target Organ Toxicity - Repeated Exposure**

**Product:** No data available.

**Components:**

Siloxanes and Silicones, di-Me, 3-[2-(hydroxy-3- [(1-oxo-2- propenyl)oxy]propoxy]pro pyl group-terminated octamethylcyclotetrasilox ane	No data available.        No data available.
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**Aspiration Hazard**

**Product:** Not classified

**Components:**

Siloxanes and Silicones, di-Me, 3-[2-(hydroxy-3- [(1-oxo-2- propenyl)oxy]propoxy]pro pyl group-terminated octamethylcyclotetrasilox ane	Not classified        Not classified
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**11.2 Information on other hazards**
**Other information**

**Product:** No data available.

**SECTION 12: Ecological information**
**12.1 Toxicity:**
**Acute hazards to the aquatic environment:**
**Fish**

**Product:** No data available.

**Components:**

Siloxanes and Silicones,	No data available.
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di-Me, 3-[2-(hydroxy-3-  
 [(1-oxo-2-  
 propenyl)oxy]propoxy]pr  
 opyl group-terminated  
 octamethylcyclotetrasiloxane

LC 50, Oncorhynchus mykiss, 96 h, > 22 µg/l US-EPA-method  
 NOEC, Oncorhynchus mykiss, 96 h, 22 µg/l US-EPA-method

**Aquatic Invertebrates**

**Product:** No data available.

**Components:**  
 Siloxanes and Silicones, di-Me, 3-[2-(hydroxy-3-  
 [(1-oxo-2-  
 propenyl)oxy]propoxy]pr  
 opyl group-terminated  
 octamethylcyclotetrasiloxane

No data available.  
 NOEC, Daphnia magna, 48 h, 15 µg/l US-EPA-method  
 EC 50, Daphnia magna, 48 h, > 15 µg/l US-EPA-method

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Components:**  
 Siloxanes and Silicones, di-Me, 3-[2-(hydroxy-3-  
 [(1-oxo-2-  
 propenyl)oxy]propoxy]pro  
 pyl group-terminated  
 octamethylcyclotetrasiloxane

No data available.  
 EC 50 (Algae (Pseudokirchneriella subcapitata), 96 h): > 22 µg/l (US-EPA-method)  
 EC 50 (Algae (Pseudokirchneriella subcapitata), 96 h): > 22 µg/l (US-EPA-method)

**Toxicity to microorganisms**

**Product:** No data available.

**Components:**  
 Siloxanes and Silicones, di-Me, 3-[2-(hydroxy-3-  
 [(1-oxo-2-  
 propenyl)oxy]propoxy]pro  
 pyl group-terminated  
 octamethylcyclotetrasiloxane

No data available.  
 No data available.

**Toxicity to soil dwelling organisms**

**Product:** No data available.

**Components:**  
 Siloxanes and Silicones, di-Me, 3-[2-(hydroxy-3-  
 [(1-oxo-2-  
 propenyl)oxy]propoxy]pro  
 pyl group-terminated  
 octamethylcyclotetrasiloxane

No data available.  
 No data available.

**Toxicity to terrestrial organisms**

**Product:** No data available.

**Components:**  
 Siloxanes and Silicones, di-Me, 3-[2-(hydroxy-3-  
 [(1-oxo-2-  
 propenyl)oxy]propoxy]pro

No data available.

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pyl group-terminated  
 octamethylcyclotetrasilox  
 ane      No data available.

**Chronic hazards to the aquatic environment:**
**Fish**

**Product:** No data available.  
**Components:**  
 Siloxanes and Silicones, di-Me, 3-[2-(hydroxy-3-[(1-oxo-2-propenyl)oxy]propoxy]propyl group-terminated octamethylcyclotetrasiloxane      No data available.  
 NOEC, Oncorhynchus mykiss, 93 d, 4.4 µg/l, US-EPA-method

**Aquatic Invertebrates**

**Product:** No data available.  
**Components:**  
 Siloxanes and Silicones, di-Me, 3-[2-(hydroxy-3-[(1-oxo-2-propenyl)oxy]propoxy]propyl group-terminated octamethylcyclotetrasiloxane      No data available.  
 NOEC, Daphnia magna, 21 d, 15 µg/l, EPA OTS 797.1330  
 Lowest Observed Effect Concentration, Daphnia magna, 21 d, 15 µg/l, EPA OTS 797.1330  
 EC 50, Daphnia magna, 21 d, > 15 µg/l, EPA OTS 797.1330

**Toxicity to Aquatic Plants**

**Product:** No data available.  
**Components:**  
 Siloxanes and Silicones, di-Me, 3-[2-(hydroxy-3-[(1-oxo-2-propenyl)oxy]propoxy]propyl group-terminated octamethylcyclotetrasiloxane      No data available.  
 NOEC (Algae (Pseudokirchneriella subcapitata), 96 h): < 22 µg/l (US-EPA-method)

**Toxicity to microorganisms**

**Product:** No data available.  
**Components:**  
 Siloxanes and Silicones, di-Me, 3-[2-(hydroxy-3-[(1-oxo-2-propenyl)oxy]propoxy]propyl group-terminated octamethylcyclotetrasiloxane      No data available.

**Toxicity to soil dwelling organisms**

**Product:** No data available.  
**Components:**  
 Siloxanes and Silicones, di-Me, 3-[2-(hydroxy-3-[(1-oxo-2-propenyl)oxy]propoxy]propyl group-terminated

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octamethylcyclotetrasiloxane No data available.

**Toxicity to terrestrial organisms**

**Product:** No data available.

**Components:**

Siloxanes and Silicones, di-Me, 3-[2-(hydroxy-3-[(1-oxo-2-propenyl)oxy]propoxy]propyl group-terminated octamethylcyclotetrasiloxane No data available.

No data available.

**12.2 Persistence and Degradability****Biodegradation**

**Product:** No data available.

**Components:**

Siloxanes and Silicones, di-Me, 3-[2-(hydroxy-3-[(1-oxo-2-propenyl)oxy]propoxy]propyl group-terminated octamethylcyclotetrasiloxane 3.7 %, 28 d, OECD 310, The product is not biodegradable., aerobic

No data available.

**12.3 Bioaccumulative potential****Bioconcentration Factor (BCF)**

**Product:** No data available.

**Components:**

Siloxanes and Silicones, di-Me, 3-[2-(hydroxy-3-[(1-oxo-2-propenyl)oxy]propoxy]propyl group-terminated octamethylcyclotetrasiloxane No data available.

No data available.

**Partition Coefficient n-octanol / water (log Kow)**

**Product:** not measured

**Components:**

Siloxanes and Silicones, di-Me, 3-[2-(hydroxy-3-[(1-oxo-2-propenyl)oxy]propoxy]propyl group-terminated octamethylcyclotetrasiloxane 6.488, 25.1 °C, OECD 123

No data available.

**12.4 Mobility in soil:**

**Product** No data available.

**Components:**

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Siloxanes and Silicones, di-No data available.  
Me, 3-[2-(hydroxy-3-[(1-oxo-2-propenyl)oxy]propoxy]propyl group-terminated octamethylcyclotetrasiloxane)No data available.

**12.5 Results of PBT and vPvB assessment:**

**Product** No data available.  
**Components:**  
Siloxanes and Silicones, di- No data available.  
Me, 3-[2-(hydroxy-3-[(1-oxo-2-propenyl)oxy]propoxy]propyl group-terminated octamethylcyclotetrasiloxane)  
**PBT:** persistent, bioaccumulative and toxic substance. **vPvB:** very persistent and very bioaccumulative substance.

**12.6 Other adverse effects:**

**Other hazards**  
**Product:** Do not allow to enter soil, waterways or waste water canal.

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

**General information:** No data available.  
**Disposal methods:** 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.

**SECTION 14: Transport information**

**14.1 UN/ID No.**

Not regulated as a dangerous good

**14.2 UN proper shipping name**

Not regulated as a dangerous good

**14.3 Transport hazard class(es)**

Not regulated as a dangerous good

**14.4 Packing group**

Not regulated as a dangerous good

**14.5 Environmental hazards**

Not regulated as a dangerous good

**14.6 Special precautions for user**

Not applicable

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#### 14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

### SECTION 15: Regulatory information

#### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:

##### EU Regulations

**EU. Directive 2012/18/EU (SEVESO III) on major accident hazards involving dangerous substances, Annex I:** Not applicable

**15.2 Chemical safety assessment:** No chemical safety assessment was carried out for this product.

##### International regulations

###### Montreal protocol

Not applicable

###### Stockholm convention

Not applicable

###### Rotterdam convention

Not applicable

###### Kyoto protocol

Not applicable

### SECTION 16: Other information

#### Abbreviations and acronyms:

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; EIGA - European Industrial Gases Association; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID -

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Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

**Key literature references and sources for data:** No data available.

**Training information:** Comply with national laws regulating employee instruction.

**Revision Information** Changes since the last version are highlighted in the margin. This version replaces all previous versions.

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