

Version: 1.3 Issue Date: 06.03.2019 Last revised date: 05.09.2023 Supersedes Date: 24.03.2022

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: SURFYNOL® DF-62

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

Serious eye irritation Category 2 H319: Causes serious eye irritation.

2.2 Label Elements



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Signal Words: Warning

Hazard Statement(s): H319: Causes serious eye irritation.

Precautionary Statements

Prevention: P264: Wash face, hands and any exposed skin thoroughly after

handling.

P280: Wear protective gloves/protective clothing/eye protection/face

protection.

Response: P305+P351+P338: IF IN EYES: Rinse cautiously with water for

several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.

Supplemental label information

EUH066: Repeated exposure may cause skin dryness or cracking.

2.3 Other hazards

No data available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical name	Concentrati on	CAS-No.	EC No.	REACH Registration No.		Notes
Hydrocarb ons, C12- C15, n- alkanes, isoalkanes, cyclic compound s, <2% aromatic compound s	20 - <50%		920-107-4	01- 211945341 4-43	No data available.	
Silsesquiox anes, methyl, ethoxy terminated, reaction products	10 - <20%	115341-02- 1		-	No data available.	



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with polypropyle ne glycol							
Silane, dichlorodim ethyl-, reaction products with silica	1 - <5%	68611-44-9		UK-01- 250993046 1-7	01- 211937949 9-16	No data available.	#
octamethyl cyclotetrasi loxane	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.

Classification

Chemical name	Classification	Notes
Hydrocarbons, C12-C15,	Classification: Asp. Tox.: 1: H304;	None.
n-alkanes, isoalkanes,		
cyclic compounds, <2%	Supplemental label information: EUH066;	
aromatic compounds		
Silsesquioxanes, methyl,	Classification: Eye Irrit.: 2: H319;	None.
ethoxy terminated,		
reaction products with	Supplemental label information: None known.	
polypropylene glycol		
Silane, dichlorodimethyl-,	Classification: None known.	Not
reaction products with		applicabl
silica	Supplemental label information: None known.	е
octamethylcyclotetrasiloxa	Classification: Flam. Liq.: 3: H226; Repr.: 2: H361f; Aquatic	None.
ne	Chronic: 1: H410;	
	Supplemental label information: None known.	

The full text for all H-statements is displayed in section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation:	If breathing is irregular or stopped, administer artificial respiration.
Skin Contact:	Wash off immediately with plenty of water for at least 15 minutes. Immediately remove contaminated clothing, and any extraneous chemical, if possible to do so without delay.
Eye contact:	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses.

Ingestion: Never give anything by mouth to an unconscious person. If a person vomits when lying on his back, place him in the recovery

position. Do NOT induce vomiting.

[#] This substance has workplace exposure limit(s).

^{##} This substance is listed as SVHC.



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Personal Protection for First-aid

Responders:

No data available.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms: Repeated and/or prolonged exposure to low concentrations of

vapors and/or aerosols may cause: Sore throat.

Hazards: No data available.

4.3 Indication of immediate medical attention and special treatment needed

Treatment: Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Alcohol resistant foam.

Unsuitable extinguishing media: No data available.

5.2 Special hazards arising from the

substance or mixture:

Incomplete combustion may form carbon monoxide. Burning

produces noxious and toxic fumes. Downwind personnel must be evacuated. May generate sulfur dioxide.

5.3 Advice for firefighters

Special fire fighting procedures: No data available.

Special protective equipment for fire-

fighters:

Avoid contact with skin.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective

equipment and emergency procedures:

Wear suitable protective clothing, gloves and eye/face

protection. Use self-contained breathing apparatus and

chemically protective clothing.

6.1.1 For non-emergency personnel: Open enclosed spaces to outside atmosphere.

6.1.2 For emergency responders: No data available.

6.2 Environmental Precautions:No data available.

6.3 Methods and material for containment and

cleaning up:

Call Emergency Response number for advice. Approach

suspected leak areas with caution.

6.4 Reference to other sections: No data available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Technical measures: No data available.

Local/Total ventilation: No data available.



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Safe handling advice: Wash hands at the end of each workshift and before eating, smoking or using the toilet. Remove contaminated clothing.

Drench affected area with water for at least 15

minutes. Emergency showers and eye wash stations should be readily accessible. Adhere to work practice rules established by government regulations. Use only in wellventilated areas. Avoid contact with eyes. Avoid breathing

vapors and/or aerosols.

Contact avoidance measures: No data available.

7.2 Conditions for safe storage, including any incompatibilities

Safe storage conditions: Keep containers tightly closed in a dry, cool and well-

ventilated place.

Safe packaging materials: No data available.

7.3 Specific end use(s): No data available.

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

Occupational Exposure Limits

Chemical name	Туре	Form of exposure	Exposure Limit Values	Source
Silane, dichlorodimethyl-, reaction products with silica	TWA	Respirabl e dust.	2.4 mg/m3	EH40 WEL (12 2011)
	TWA	Inhalable dust.	6 mg/m3	EH40 WEL (12 2011)

Please refer to the latest edition of the appropriate source text and consult an industrial hygienist or similar professional, or local agencies, for further information.

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Please refer to the latest edition of the appropriate source text and consult an industrial hygienist or similar professional, or local agencies, for further information.

Biological Limit Values

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

DNEL-Values

Remarks: DNEL-Values

Critical component	Туре	Route of Exposure	Health Warnings	Remarks
Dodecamethylcyclohexasiloxan e	Workers	Inhalation	Local, long-term; 1.22 mg/m3	Repeated dose toxicity
	General population	Eyes	Local effect;	No hazard identified
	Workers	Eyes	Local effect;	No hazard identified
	General population	Inhalation	Local, short-term; 1.5 mg/m3	Repeated dose toxicity
	General population	Inhalation	Local, long-term; 0.3 mg/m3	Repeated dose toxicity
	General population	Inhalation	Systemic, long-term; 2.7 mg/m3	Repeated dose toxicity



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	General population	Oral	Systemic, short-term; 1.7 mg/kg	Repeated dose toxicity
	Workers	Inhalation	Systemic, long-term; 11 mg/m3	Repeated dose toxicity
	Workers	Inhalation	Local, short-term; 6.1 mg/m3	Repeated dose toxicity
	General population	Oral	Systemic, long-term; 1.7 mg/kg	Repeated dose toxicity
Decamethylcyclopentasiloxane	Workers	Inhalation	Local, long-term; 24.2 mg/m3	Repeated dose toxicity
	General population	Inhalation	Systemic, long-term; 17.3 mg/m3	Repeated dose toxicity
	Workers	Eyes	Local effect;	No hazard identified
	Workers	Inhalation	Systemic, long-term; 97.3 mg/m3	Repeated dose toxicity
	General population	Inhalation	Local, long-term; 4.3 mg/m3	Repeated dose toxicity
	General population	Eyes	Local effect;	No hazard identified
	General population	Oral	Systemic, long-term; 5 mg/kg	Repeated dose toxicity
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	PNEC-Values	Remarks	
·	compartment			
Dodecamethylcyclohexasiloxane	Predator	66.7 mg/kg	Oral	
	Sediment (marine water)	1.3 mg/kg		
	Sewage treatment plant	1 mg/l		
	Soil	3.77 mg/kg		
	Sediment (freshwater)	13 mg/kg		
Decamethylcyclopentasiloxane	Predator	16 mg/kg	Oral	
	Sewage treatment plant	10 mg/l		
	Soil	2.54 mg/kg		
	Aquatic (marine water)	0.12 μg/l		
	Sediment (marine water)	1.1 mg/kg		
	Aquatic (freshwater)	1.2 μg/l		
	Sediment (freshwater)	11 mg/kg		
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 goggles



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Hand Protection: Material: nitrile rubber (Camatril Velours)

Additional Information: The protective gloves to be worn must satisfy the specifications of Regulation (EU) 2016/425 and the resulting Standard EN374., Specific workplace

situations must be considered separately.

Material: Fluorinated rubber

Skin and Body Protection: protective clothing

Respiratory Protection: in case of formation of vapours/aerosols: Short term: filter

apparatus, combination filter A-P2

Hygiene measures: Remove soiled or soaked clothing immediately. Wash hands

before breaks and immediately after handling the product.

When using do not eat, drink or smoke.

Environmental Controls: The environmental regulations on the control and monitoring

of environmental exposures are to be observed.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state: liquid
Form: liquid
Color: Colorless
Odor: Slight

Odor Threshold:

Freezing point:

Boiling Point:

Not determined.

Flammability:

Upper/lower limit on flammability or explosive limits

Explosive limit - upper:

not measured

not measured

not measured

Flash Point: Approximate

108 °C

Method: ISO 2719 (Pensky-Martens (A and B Closed Cup))

Auto-ignition temperature: 315 °C

Decomposition Temperature: not measured pH: Approximate

6

Viscosity

Dynamic viscosity: Approximate

49 mPa.s at 40 °C

100 mPa.s at 25 °C

Kinematic viscosity: 50 - 200 mm2/s at 25 °C,

Method: DIN 51562

Solubility(ies)

Solubility in Water: Practically Insoluble



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Solubility (other): No data available.

Partition coefficient (n-octanol/water): not measured

Vapor pressure: 0.4 hPa at 38 °C

Relative density: Approximate

0.940 at 25 °C

Density: Approximate

0.940 g/cm3 at 25 °C Method: DIN 12791

Relative vapor density: not measured

9.2 Other information

Explosive properties:

Oxidizing properties:

Self-ignition:

Metal Corrosion:

Evaporation Rate:

not measured

not measured

No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity: see section "Possibility of hazardous reactions".

10.2 Chemical Stability: No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions: No hazardous reactions are known if properly handled

and stored.

10.4 Conditions to avoid: None known.

10.5 Incompatible Materials: None known.

10.6 Hazardous Decomposition No dangerous reactions have been known to occur in

conjunction with the proper use to the product. At temperatures of approximately 150C (302F) a small amount of formaldehyde can be released by oxidative

degradation.

SECTION 11: Toxicological information

Products:

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Information on likely routes of exposure

Inhalation: If handled correctly, not a relevant route of exposure. Information on

effects are given below.

Skin Contact: Relevant route of exposure. Information on effects are given below.

Eye contact: Relevant route of exposure. Information on effects are given below.

Ingestion: If handled correctly, not a relevant route of exposure. Information on

effects are given below.



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Acute toxicity (list all possible routes of exposure)

Oral

Product: ATEmix, > 2,000 mg/kg

Not classified for acute toxicity based on available data.

Components:

Hydrocarbons, C12-C15. n-alkanes, isoalkanes, cyclic compounds, <2% aromatic compounds

LD 50, Rat, Female, Male, > 15,000 mg/kg, OECD 401, (analogy)

Silsesquioxanes, methyl, ethoxy terminated. reaction products with polypropylene glycol

Not toxic after single exposure, No data available.

reaction products with

Silane, dichlorodimethyl., LD 50, Rat, Female, Male, > 5,000 mg/kg, OECD 401, (analogy)

silica

octamethylcyclotetrasilox LD 50, Rat, Male, > 5,000 mg/kg, OECD 401

ane

Dermal

Product: Not classified for acute toxicity based on available data.

Components:

Hydrocarbons, C12-C15, LD 50, Rabbit, Female, Male, > 3,160 mg/kg, OECD 402, (analogy)

n-alkanes, isoalkanes, cvclic compounds. <2% aromatic compounds Silsesquioxanes, methyl,

Not toxic after single exposure, No data available.

ethoxy terminated. reaction products with polypropylene glycol

Silane, dichlorodimethyl-, LD 50, Rabbit, > 5,000 mg/kg, (analogy)

reaction products with

silica

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

ane

Inhalation

Product: Not classified for acute toxicity based on available data.

Components:

Hydrocarbons, C12-C15, Not toxic after single exposure, No classification, Vapour n-alkanes, isoalkanes, Not toxic after single exposure, No data available., Dust and mist

cyclic compounds, <2% aromatic compounds Silsesquioxanes, methyl, ethoxy terminated. reaction products with polypropylene glycol

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

Silane, dichlorodimethyl-, reaction products with

LC 50, Rat, Female, Male, 4 h, > 5.01 mg/l, Dust and mist, OECD 436, (analogy)

silica octamethylcyclotetrasilox Vapour, Not toxic after single exposure, Not applicable 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:

Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclic compounds, <2%

No data available.



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aromatic compounds Silsesquioxanes, methyl, No data available.

ethoxy terminated, reaction products with polypropylene glycol Silane, dichlorodimethyl-.

NOAEL Rat, Male, Oral, 28 day, 7 days a week, >= 1,000 mg/kg, No reaction products with negative effects. (analogy)

silica

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: No data available.

Components:

Hydrocarbons, C12-C15, Not irritating, OECD 404, Rabbit, (analogy)

n-alkanes, isoalkanes, cyclic compounds, <2% aromatic compounds

Silsesquioxanes, methyl,

No data available.

ethoxy terminated, reaction products with polypropylene alycol

Silane, dichlorodimethyl-,

Not irritating, OECD 404, Rabbit, (analogy)

reaction products with

silica

octamethylcyclotetrasilox Not irritating, OECD 404, Rabbit

ane

Serious Eye Damage/Eye Irritation

Product: No data available.

Components:

Hydrocarbons, C12-C15, Not irritating, OECD 405, Rabbit, (analogy)

n-alkanes, isoalkanes, cyclic compounds, <2% aromatic compounds

Silsesquioxanes, methyl, Irritating.

ethoxy terminated, reaction products with polypropylene glycol

Silane, dichlorodimethyl-, reaction products with

Not irritating, analogous OECD method, Rabbit, (analogy)

octamethylcyclotetrasilox

Not irritating, OECD 405, Rabbit

ane

Respiratory or Skin Sensitization

Product: No data available.

Components:

Hydrocarbons, C12-C15,

n-alkanes, isoalkanes,

Maximization Test, OECD 406, Guinea Pig, Not a skin sensitizer.,

(analogy)

cyclic compounds, <2%

Not a respiratory sensitizer

aromatic compounds

Silsesquioxanes, methyl,

ethoxy terminated, reaction products with polypropylene glycol

No data available.



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Silane, dichlorodimethyl-, Local Lymph Node Assay (LLNA), OECD 429, Mouse, Not a skin

reaction products with sensitizer., (analogy)

Maximization Test, OECD 406, Guinea Pig, Not a skin sensitizer., silica

No evidence that cancer may be caused.

(analogy)

octamethylcyclotetrasilox

ane

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:

Hydrocarbons, C12-C15, Not classified n-alkanes, isoalkanes,

cyclic compounds, <2% aromatic compounds

Silsesquioxanes, methyl, ethoxy terminated.

reaction products with polypropylene glycol

Silane, dichlorodimethyl-, reaction products with

silica octamethylcyclotetrasilox

No data available.

No data available.

ane

Germ Cell Mutagenicity

No data is available on the product itself.

In vitro

Product: No data available.

Components:

Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclic compounds, <2%

aromatic compounds Silsesquioxanes, methyl,

ethoxy terminated. reaction products with polypropylene glycol

Silane, dichlorodimethyl-, reaction products with

silica

No data available.

gene mutation test, OECD 471:, negative, (analogy) gene mutation test, OECD 490: , negative, (analogy) Chromosomal aberration, OECD 473: , negative, (analogy)

Bacterial reverse mutation assay, OECD 471: , negative, (analogy)

Micronucleus test, OECD 474, Oral, Mouse, Female, Male, negative,

Chromosomal aberration, OECD 473: , negative, (analogy)

octamethylcyclotetrasilox

ane

Ames test, OECD 471:, negative

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

In vivo

Product: No data available.

Components:

Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclic compounds, <2% aromatic compounds Silsesquioxanes, methyl, ethoxy terminated.

reaction products with polypropylene glycol

(analogy)

No data available.



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Silane, dichlorodimethyl-, Chromosomal aberration, OECD 475, Oral, Rat, Male, negative,

reaction products with (analogy)

silica

octamethylcyclotetrasilox

ane

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 is available on the product itself.

Components:

Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclic compounds, <2%

aromatic compounds

Silsesquioxanes, methyl.

ethoxy terminated, reaction products with

polypropylene glycol Silane, dichlorodimethyl-,

reaction products with

silica

octamethylcyclotetrasilox

ane

Not classified

No data available.

no evidence of reproductiontoxic properties

Suspected of damaging fertility or the unborn child. Suspected of

damaging fertility.

Specific Target Organ Toxicity - Single Exposure Product: No data available.

Components:

Hydrocarbons, C12-C15,

Not classified

n-alkanes, isoalkanes, cyclic compounds, <2% aromatic compounds

Silsesquioxanes, methyl.

No data available.

ethoxy terminated. reaction products with polypropylene glycol

Silane, dichlorodimethyl-,

reaction products with

silica

octamethylcyclotetrasilox No data available.

ane

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Components:

Hydrocarbons, C12-C15,

Not classified

n-alkanes, isoalkanes, cyclic compounds, <2% aromatic compounds

Silsesquioxanes, methyl,

No data available.

ethoxy terminated, reaction products with polypropylene alycol

Silane, dichlorodimethyl-, reaction products with

no evidence for hazardous properties

no evidence for hazardous properties

silica



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octamethylcyclotetrasilox No data available.

ane

Aspiration Hazard

Product: Not classified

Components:

Hydrocarbons, C12-C15, May be fatal if swallowed and enters airways.

n-alkanes, isoalkanes, cyclic compounds, <2% aromatic compounds

Silsesquioxanes, methyl, Not classified

ethoxy terminated. reaction products with polypropylene glycol

Silane, dichlorodimethyl-, Not applicable

reaction products with

silica

octamethylcyclotetrasilox Not classified

ane

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 is available on the product itself.

Components:

Hydrocarbons, C12-C15, LL 50, Oncorhynchus mykiss, 96 h, > 1,000 mg/l OECD 203, (analogy)

WAF

n-alkanes, isoalkanes, cyclic compounds, <2% aromatic compounds

Silsesquioxanes, methyl, No data available.

ethoxy terminated, reaction products with polypropylene glycol

Silane, dichlorodimethyl-

, reaction products with silica

octamethylcyclotetrasilo

xane

LC 50, (Brachydanio rerio), 96 h, > 10,000 mg/l OECD 203, The reported

toxic effects relate to the nominal concentration. (analogy)

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 is available on the product itself.

Components:

Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclic compounds, <2% aromatic compounds Silsesquioxanes, methyl, ethoxy terminated, reaction products with

EL50, Daphnia magna, 48 h, > 100 mg/l OECD 202, (analogy) WAF

No data available.



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polypropylene glycol

Silane, dichlorodimethyl-, reaction products with

EC 50, Daphnia magna, 24 h, > 1,000 mg/l OECD 202. The reported toxic effects relate to the nominal concentration. (analogy)

octamethylcyclotetrasilo xane

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:

Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclic compounds, <2% aromatic compounds

No data available.

Silsesquioxanes, methyl, ethoxy terminated. reaction products with

polypropylene glycol

No data available.

Silane, dichlorodimethyl-, reaction products with

EC 50 (Desmodesmus subspicatus (green algae), 72 h): > 173 mg/l (OECD 201) (analogy)

silica octamethylcyclotetrasilox

ane

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:

Components:

No data is available on the product itself.

Hydrocarbons, C12-C15, n-alkanes, isoalkanes,

EL50, Tetrahymena pyriformis, 48 h, > 1,000 mg/l, QSAR

cyclic compounds, <2% aromatic compounds

Silsesquioxanes, methyl, No data available.

ethoxy terminated. reaction products with polypropylene glycol

Silane, dichlorodimethyl-, EC 50, local activated sludge, 3 h, > 2,500 mg/l, OECD 209, (analogy)

reaction products with

silica

octamethylcyclotetrasilox No data available.

ane

Chronic hazards to the aquatic environment:

Fish

Product: No data is available on the product itself.

Components:

Hydrocarbons, C12-C15, NOEC, Pimephales promelas, 32 d, > 100 mg/l, OECD 210, (analogy) n-alkanes, isoalkanes, WAF

cyclic compounds, <2% aromatic compounds

Silsesquioxanes, methyl, No data available.

ethoxy terminated, reaction products with polypropylene glycol Silane, dichlorodimethyl-

, reaction products with

No data available.



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silica

octamethylcyclotetrasilo

xane

NOEC, Oncorhynchus mykiss, 93 d, 4.4 µg/l, US-EPA-method

Aquatic Invertebrates

Product: No data is available on the product itself.

Components:

Hydrocarbons, C12-C15. n-alkanes, isoalkanes, cyclic compounds, <2% aromatic compounds

Silsesquioxanes, methyl, ethoxy terminated,

reaction products with polypropylene glycol Silane, dichlorodimethyl-

, reaction products with

silica

octamethylcyclotetrasilo

xane

NOELR, Daphnia magna, 21 d, > 1,000 mg/l, QSAR

No data available.

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

No data available.

No data available.

EC 50, Daphnia magna, 21 d, > 15 μ g/l, EPA OTS 797.1330

Toxicity to Aquatic Plants

Product:

Components:

Hydrocarbons, C12-C15, n-alkanes, isoalkanes,

cyclic compounds, <2% aromatic compounds

Silsesquioxanes, methyl,

ethoxy terminated,

reaction products with polypropylene glycol

Silane, dichlorodimethyl-, reaction products with

silica

octamethylcyclotetrasilox

ane

No data available.

No data available.

NOEC (Algae (Pseudokirchneriella subcapitata), 96 h): < 22 µg/l (US-EPA-method)

EL50, Tetrahymena pyriformis, 48 h, > 1,000 mg/l, QSAR

Toxicity to microorganisms

Product:

No data is available on the product itself.

Components:

Hydrocarbons, C12-C15, n-alkanes, isoalkanes, cyclic compounds. <2%

aromatic compounds Silsesquioxanes, methyl,

ethoxy terminated, reaction products with polypropylene glycol

reaction products with

silica

No data available.

Silane, dichlorodimethyl-, EC 50, local activated sludge, 3 h, > 2,500 mg/l, OECD 209, (analogy)

octamethylcyclotetrasilox No data available.

ane

12.2 Persistence and Degradability

Biodegradation



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Product: 85 %, 15 d, OECD 302 B, Good elimination properties

Components:

Hydrocarbons, C12-C15, 71 %, 28 d, OECD 301 F, (analogy) The product is easily n-alkanes, isoalkanes, biodegradable., aerobic

cyclic compounds, <2% aromatic compounds

Silsesquioxanes, methyl, No data available.

ethoxy terminated, reaction products with polypropylene glycol

Silane, dichlorodimethyl-, The methods designed to assess persistence and biodegradability are reaction products with not applicable to this product, in analogy to inorganic substances.

reaction products with silica

octamethylcyclotetrasilox 3.7 %, 28 d, OECD 310, The product is not biodegradable., aerobic

ane

12.3 Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: Bioaccumulation is unlikely.

Components:

Hydrocarbons, C12-C15, No data available.

n-alkanes, isoalkanes, cyclic compounds, <2% aromatic compounds

Silsesquioxanes, methyl, No data available.

ethoxy terminated, reaction products with polypropylene glycol

Silane, dichlorodimethyl-, Not to be expected.

reaction products with

silica

octamethylcyclotetrasilox No data available.

ane

Partition Coefficient n-octanol / water (log Kow)

Product: not measured

Components:

Hydrocarbons, C12-C15, No data available.

n-alkanes, isoalkanes, cyclic compounds, <2% aromatic compounds

Silsesquioxanes, methyl, No data available.

ethoxy terminated, reaction products with polypropylene glycol

Silane, dichlorodimethyl-, , Not applicable

reaction products with

silica

octamethylcyclotetrasilox 6.488, 25.1 °C, OECD 123

ane

12.4 Mobility in soil:

Product No data available.

Components:



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Hydrocarbons, C12-C15, n-No data available.

alkanes, isoalkanes, cyclic compounds, <2% aromatic

compounds

Silsesquioxanes, methyl, No data available.

ethoxy terminated, reaction products with polypropylene

glycol

Silane, dichlorodimethyl-, No remarkable mobility in soil is to be expected.

reaction products with silica

octamethylcyclotetrasiloxanNo data available.

12.5 Results of PBT and vPvB assessment:

Product No data available.

Components:

Hydrocarbons, C12-C15, n- Non-classified vPvB substance, alkanes, isoalkanes, cyclic Non-classified PBT substance

compounds, <2% aromatic

compounds

Silsesquioxanes, methyl, No data available.

ethoxy terminated, reaction products with polypropylene

glycol

Silane, dichlorodimethyl-, No

No data available.

reaction products with silica

octamethylcyclotetrasiloxanePBT: 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



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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

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 has been carried out.

SECTION 16: Other information

Abbreviations and acronyms:

EH40 WEL: UK. EH40 Workplace Exposure Limits (WELs), as amended EH40 WEL / TWA: Time Weighted Average (TWA):

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

Notes:

Not	Not applicable
applicable	

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

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]

Classification according to Regulation (EC) No 1272/2008 as amended.	Classification procedure
Serious eye irritation, Category 2	On basis of test data

Wording of the statements in section 2 and 3

H226	Flammable liquid and vapor.
H304	May be fatal if swallowed and enters airways.
H319	Causes serious eye irritation.
H361f	Suspected of damaging fertility.
H410	Very toxic to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

Training information: Comply with national laws regulating employee instruction.

Other information: none

Revision Information

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

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