

RTV162

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: RTV162

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

Identified uses: Not known.

Uses advised against: Not known.

1.3 Details of the supplier of the safety data sheet

Manufacturer/Importer/Distributor Information : Momentive Performance Materials GmbH
Chempark Leverkusen Gebaeude V7
DE - 51368 Leverkusen
Germany

Contact person : commercial.services@momentive.com

Telephone : General information
+390510924300 (Customer Service Centre)

1.4 Emergency telephone number : Europe, Israel & All other: +44 (0) 1235239670; Middle East:+44 (0) 1235239671

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The product has not been classified as hazardous according to the legislation in force.

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567
Not classified

The product is not classified for chronic aquatic toxicity, for further details see section 16

2.2 Label Elements

Not applicable

Supplemental information

EUH210: Safety data sheet available on request.

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Additional Information: No data available.

2.3 Other hazards

No data available.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Chemical name	Concentration	CAS-No.	M-Factor:	Notes
(1)	10 - <20%	68937-51-9	No data available.	
Tris(3(trimethoxysilyl)propyl)isocyanurate	1 - <5%	26115-70-8	No data available.	
(1) TITANIUM DIOXIDE	0,1 - <1%	13463-67-7	No data available.	#
Decamethylcyclopentasiloxane	0,1 - <1%	541-02-6	No data available.	## ##
Dodecamethylcyclohexasiloxane	0,1 - <1%	540-97-6	No data available.	## ##

* 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.

(1) The respirable particle(s) listed above are inextricably bound within the polymer matrix, and therefore does not present an inhalation hazard during normal use of this product. Tooling or machining of the cured product (sanding, cutting, milling) may release hazardous, respirable substances.

Classification

Chemical name	Classification	Notes
	Classification: None known. Supplemental label information: None known.	None.
Tris(3(trimethoxysilyl)propyl)isocyanurate	Classification: Acute Tox.: 4: H302 Supplemental label information: None known.	None.
TITANIUM DIOXIDE	Classification: None known. Supplemental label information: None known.	None.
Decamethylcyclopentasiloxane	Classification: None known. Supplemental label information: None known.	None.
Dodecamethylcyclohexasiloxane	Classification: None known. Supplemental label information: None known.	None.

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

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SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation:	Move to fresh air. Get medical attention if symptoms occur.
Skin Contact:	After contact with skin, remove product mechanically. Wash area with soap and water.
Eye contact:	Rinse the eye with water immediately. If eye irritation persists: Get medical advice/attention.
Ingestion:	If swallowed, do NOT induce vomiting. Give a glass of water. Rinse mouth. Consult a physician for specific advice.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms:	No data available.
Hazards:	No data available.

4.3 Indication of immediate medical attention and special treatment needed

Treatment:	Treatment is symptomatic and supportive.
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SECTION 5: Firefighting measures

General Fire Hazards:	Use standard firefighting procedures and consider the hazards of other involved materials. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.
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5.1 Extinguishing media

Suitable extinguishing media:	All standard extinguishing agents are suitable.
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.

5.2 Special hazards arising from the substance or mixture:

In case of fire, carbon monoxide and carbon dioxide may be formed. Acute overexposure to the products of combustion may result in irritation of the respiratory tract. Reacts with water liberating small amounts of methanol. This material is reactive with water, but the reaction will not significantly increase the fire severity.

5.3 Advice for firefighters

Special fire-fighting procedures:	Move container from fire area if it can be done without risk.
Special protective equipment for fire-fighters:	Wear self-contained breathing apparatus and protective clothing.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:	RTV162 No data available.
6.1.1 For non-emergency personnel:	ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). See Section 8 of the SDS for Personal Protective Equipment.
6.1.2 For emergency responders:	No data available.
6.2 Environmental Precautions:	Do not allow runoff to sewer, waterway or ground.
6.3 Methods and material for containment and cleaning up:	No data available.
6.4 Reference to other sections:	No data available.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Safe handling advice:	Methanol is formed during processing. Avoid contact with eyes, skin, and clothing. Do not eat, drink or smoke when using the product. Wash thoroughly after handling. See Section 8 of the SDS for Personal Protective Equipment.
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7.2 Conditions for safe storage, including any incompatibilities

Safe storage conditions:	Store in a cool and well-ventilated place. Keep away from moisture. Keep away from food, drink and animal feeding stuffs. Use original container or packaging of similar material of construction
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7.3 Specific end use(s):	No data available.
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SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

Occupational Exposure Limits

Chemical name	Type	Form of exposure	Exposure Limit Values	Source
TITANIUM DIOXIDE	TWA	Inhalable	10 mg/m ³	EH40 WEL (2007)
	TWA	Respirable	4 mg/m ³	EH40 WEL (2007)

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	Type	Route of Exposure	Health Warnings	Remarks
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Octamethylcyclotetrasiloxane	Consumers	Inhalation	Acute, Systemic Toxicity 305 mg/m3	
	Consumers	Inhalation	Acute, Local 61 mg/m3	
	Consumers	Inhalation	long-term, Systemic Toxicity 305 mg/m3	
	Consumers	Inhalation	long-term, Local 61 mg/m3	
Decamethylcyclopentasiloxane	Workers	Inhalation	Acute, Systemic Toxicity 258 mg/m3	
	Workers	Inhalation	Acute, Local 101 mg/m3	
	Workers	Inhalation	long-term, Systemic Toxicity 405 mg/m3	
	Workers	Inhalation	long-term, Local 101 mg/m3	
	Consumers	Inhalation	Acute, Systemic Toxicity 86 mg/m3	
	Consumers	Inhalation	Acute, Local 21 mg/m3	
	Consumers	Ingestion	long-term, Systemic Toxicity 25 mg/kg bw /day	
	Consumers	Inhalation	long-term, Systemic Toxicity 86 mg/m3	
	Consumers	Inhalation	long-term, Local 21 mg/m3	
Dodecamethylcyclohexasiloxane	Workers	Inhalation	Acute, Systemic Toxicity 98 mg/m3	
	Workers	Inhalation	long-term, Systemic Toxicity 98 mg/m3	
	Consumers	Inhalation	Acute, Systemic Toxicity 29 mg/m3	
	Consumers	Inhalation	long-term, Systemic Toxicity 29 mg/m3	
	Consumers	Ingestion	long-term, Systemic Toxicity 8,3 mg/kg bw /day	

PNEC-Values

Remarks: PNEC-Values

Critical component	Environmental compartment	PNEC-Values	Remarks
Octamethylcyclotetrasiloxane	Water	0,44 mg/l	
	Seaw ater	0,044 mg/l	
	Sediment	0,128 mg/kg	
	soil	0,16 mg/kg	
	Sew age treatment plant	100 mg/l	
Decamethylcyclopentasiloxane	Water	0,0012 mg/l	
	Seaw ater	0,00012 mg/l	
	Sediment	11 mg/kg	
	soil	3,15 mg/kg	Derived from PNEC(freshw ater) using the equilibrium partitioning method.
	Sew age treatment plant	20 mg/l	
Dodecamethylcyclohexasiloxane	Water	0,0002 mg/l	
	Seaw ater	0,00002 mg/l	
	Intermittent release	1,43 mg/kg	
	Sediment	3,78 mg/kg	
	soil	1 mg/l	
	Sew age treatment plant		

8.2 Exposure controls

Appropriate Engineering Controls:

No data available.

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection:

Safety glasses with side-shields conforming to EN166

Hand Protection:	RTV162 No data available.
Skin and Body Protection:	Wear suitable protective clothing and eye/face protection.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator.
Hygiene measures:	Ensure adequate ventilation, especially in confined areas. Avoid contact with eyes, skin, and clothing. Observe good industrial hygiene practices. When using do not eat, drink or smoke. Wash hands after handling.
Environmental Controls:	No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state:	solid
Form:	Paste
Color:	White
Odor:	Alcohol
Odor Threshold:	No data available.
Melting Point:	No data available.
Boiling Point:	No data available.
Flammability:	No data available.

Upper/lower limit on flammability or explosive limits

Explosive limit - upper:	No data available.
Explosive limit - lower:	No data available.

Flash Point:	> 93,3 °C Method: estimated
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Auto-ignition temperature:	No data available.
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Decomposition Temperature:	No decomposition if stored and applied as directed.
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pH:	No data available.
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Viscosity

Dynamic viscosity:	No data available.
Kinematic viscosity:	> 20,5 mm ² /s (40 °C)

Solubility(ies)

Solubility in Water:	Insoluble
Partition coefficient (n-octanol/water):	No data available.
Vapor pressure:	No data available.
Relative density:	ca.

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1,085

Density:

ca.
1,085 g/cm³

Vapor density (air=1):

No data available.

9.2 Other information

Self-ignition:

450 °C

Evaporation Rate:

No data available.

Miscible (water):

non miscible (<10%)

SECTION 10: Stability and reactivity

10.1	Reactivity:	Reacts with water liberating small amounts of methanol.
10.2	Chemical Stability:	Material is stable under normal conditions.
10.3	Possibility of hazardous reactions:	Hazardous polymerization does not occur. Avoid exposure to: Water
10.4	Conditions to avoid:	Reacts with water liberating small amounts of methanol.
10.5	Incompatible Materials:	Water. Strong Acids, Strong Bases
10.6	Hazardous Decomposition Products:	Carbon oxides Oxides of silicon. Measurements at temperatures above 150°C in presence of air (oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Inhalation: No data available.

Skin Contact: No data available.

Eye contact: No data available.

Ingestion: No data available.

Acute toxicity (list all possible routes of exposure)

Oral

Product: ATEmix, 165.972,29 mg/kg

Components:

Tris(3(trimethoxysilyl)propyl)isocyanurate LD 50, Rat, female, 1.713 mg/kg, OECD-Guideline 401 (Acute Oral Toxicity)

Decamethylcyclopentasiloxane No data available.

Dodecamethylcyclohexasiloxane No data available.

Dermal

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Product:	Not classified for acute toxicity based on available data.
Components:	
Tris(3(trimethoxysilyl)propyl)isocyanurate	LD 50, Rabbit, > 19.200 mg/kg, OECD-Guideline 402 (Acute Dermal Toxicity)
Decamethylcyclopentasiloxane	No data available.
Dodecamethylcyclohexasiloxane	No data available.

Inhalation

Product:	Not classified for acute toxicity based on available data.
Components:	
Tris(3(trimethoxysilyl)propyl)isocyanurate	No clinical signs or deaths occurred, vapour
Decamethylcyclopentasiloxane	No data available.
Dodecamethylcyclohexasiloxane	No data available.

Repeated dose toxicity

Product:	No data available.
Components:	
Tris(3(trimethoxysilyl)propyl)isocyanurate	No data available.
Decamethylcyclopentasiloxane	No data available.
Dodecamethylcyclohexasiloxane	No data available.

Skin Corrosion/Irritation

Product:	No data available.
Components:	
Tris(3(trimethoxysilyl)propyl)isocyanurate	Not irritating, OECD-Guideline 404 (Acute Dermal Irritation/Corrosion), Non irritating
Decamethylcyclopentasiloxane	No data available.
Dodecamethylcyclohexasiloxane	No data available.

Serious Eye Damage/Eye Irritation

Product:	No data available.
Components:	
Tris(3(trimethoxysilyl)propyl)isocyanurate	Not irritating, OECD-Guideline 405 (Acute Eye Irritation/Corrosion), No eye irritation
Decamethylcyclopentasiloxane	No data available.
Dodecamethylcyclohexasiloxane	No data available.

Respiratory or Skin Sensitization

Product:	No data available.
Components:	
Tris(3(trimethoxysilyl)propyl)isocyanurate	OECD-Guideline 406 (Skin Sensitisation), Not a skin sensitizer.
Decamethylcyclopentasiloxane	No data available.

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Dodecamethylcyclohexasiloxane No data available.

Carcinogenicity

Product: No data available.

Components:
Tris(3(trimethoxysilyl)propyl)isocyanurate No data available.

Decamethylcyclopentasiloxane No data available.

Dodecamethylcyclohexasiloxane No data available.

Germ Cell Mutagenicity

In vitro

Product: No data available.

Components:
Tris(3(trimethoxysilyl)propyl)isocyanurate OECD 471, 490, 487, negative

Decamethylcyclopentasiloxane No data available.

Dodecamethylcyclohexasiloxane No data available.

In vivo

Product: No data available.

Components:
Tris(3(trimethoxysilyl)propyl)isocyanurate No data available.

Decamethylcyclopentasiloxane No data available.

Dodecamethylcyclohexasiloxane No data available.

Reproductive toxicity

Product: No data available.

Components:
Tris(3(trimethoxysilyl)propyl)isocyanurate No data available.

Decamethylcyclopentasiloxane No data available.

Dodecamethylcyclohexasiloxane No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Components:
Tris(3(trimethoxysilyl)propyl)isocyanurate No data available.

Decamethylcyclopentasiloxane No data available.

Dodecamethylcyclohexasiloxane No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Components:

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Tris(3(trimethoxysilyl)propyl)isocyanurate	No data available.
Decamethylcyclopentasiloxane	No data available.
Dodecamethylcyclohexasiloxane	No data available.

Aspiration Hazard

Product:	No data available.
Components:	
Tris(3(trimethoxysilyl)propyl)isocyanurate	No data available.
Decamethylcyclopentasiloxane	No data available.
Dodecamethylcyclohexasiloxane	No data available.

11.2 Information on other hazards

Other information

Product:	No data available.
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SECTION 12: Ecological information

12.1 Toxicity:

Toxicity to Aquatic Plants

Product:	No data available.
Components:	
Tris(3(trimethoxysilyl)propyl)isocyanurate	No data available.
Decamethylcyclopentasiloxane	No data available.
Dodecamethylcyclohexasiloxane	EC50, Algae (Pseudokirchneriella subcapitata), 72 h, >, 0,002 mg/l, OECD Test Guideline 201, No effects at the limit of solubility. NOEC, Algae (Pseudokirchneriella subcapitata), 72 h, >=, 0,002 mg/l, OECD Test Guideline 201, No effects at the limit of solubility.

Toxicity to microorganisms

Product:	No data available.
Components:	
Tris(3(trimethoxysilyl)propyl)isocyanurate	No data available.
Decamethylcyclopentasiloxane	No data available.
Dodecamethylcyclohexasiloxane	EC50, activated sludge (adaptation not specified), 3 h, >, 100 mg/l, OECD-Guideline No. 209

Acute hazards to the aquatic environment:

Fish

Product:	No data available.
Components:	
Tris(3(trimethoxysilyl)propyl)isocyanurate	No data available.

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Decamethylcyclopentasiloxane No data available.
Dodecamethylcyclohexasiloxane No data available.

Aquatic Invertebrates

Product: No data available.
Components:
Tris(3(trimethoxysilyl)propyl)isocyanurate No data available.
Decamethylcyclopentasiloxane No data available.
Dodecamethylcyclohexasiloxane No data available.

Chronic hazards to the aquatic environment:

Fish

Product: No data available.
Components:
Tris(3(trimethoxysilyl)propyl)isocyanurate No data available.
Decamethylcyclopentasiloxane No data available.
Dodecamethylcyclohexasiloxane NOEC, Oncorhynchus mykiss, 91 d, 0,014 mg/l, No toxicity at the limit of solubility

Aquatic Invertebrates

Product: No data available.
Components:
Tris(3(trimethoxysilyl)propyl)isocyanurate No data available.
Decamethylcyclopentasiloxane No data available.
Dodecamethylcyclohexasiloxane NOEC, Daphnia magna, 21 d, 0,0046 mg/l, No toxicity at the limit of solubility
EC50, Sediment Invertebrate, 28 d, >, 420 mg/l
LOEC, Sediment Invertebrate, 28 d, >=, 420 mg/l

12.2 Persistence and Degradability

Biodegradation

Product: No data available.
Components:
Tris(3(trimethoxysilyl)propyl)isocyanurate 34 %, 28 d, The product is not readily biodegradable.
Decamethylcyclopentasiloxane No data available.
Dodecamethylcyclohexasiloxane No data available.

12.3 Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: No data available.

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Components:

Tris(3(trimethoxysilyl)propyl)isocyanurate	No data available.
Decamethylcyclopentasiloxane	No data available.
Dodecamethylcyclohexasiloxane	No data available.

Partition Coefficient n-octanol / water (log Kow)

Product: No data available.

Components:

Tris(3(trimethoxysilyl)propyl)isocyanurate	No data available.
Decamethylcyclopentasiloxane	No data available.
Dodecamethylcyclohexasiloxane	No data available.

12.4 Mobility in soil:

Product: No data available.

Components:

Tris(3(trimethoxysilyl)propyl)isocyanurate	No data available.
Decamethylcyclopentasiloxane	No data available.
Dodecamethylcyclohexasiloxane	No data available.

12.5 Results of PBT and vPvB assessment:

Product: No data available.

Components:

Tris(3(trimethoxysilyl)propyl)isocyanurate	No data available.
Decamethylcyclopentasiloxane	vPvB: very persistent and very bioaccumulative substance.
Dodecamethylcyclohexasiloxane	vPvB: very persistent and very bioaccumulative substance.

12.6 Other adverse effects:

Other hazards

Product: No data available.

Additional Information: Ecotoxicological data for this product is not available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

General information:

The generation of waste should be avoided or minimized wherever possible. Do not discharge into drains, water courses or onto the ground. See Section 8 for information on appropriate personal protective equipment.

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Disposal methods: Can be incinerated when in compliance with local regulations.

Contaminated Packaging: No data available.

SECTION 14: Transport information

ADR

Not Regulated.

ADN

Not Regulated.

RID

Not Regulated.

IATA

Not Regulated.

IMDG Code

Not Regulated.

14.6 Special precautions for user: This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods. Protect from moisture. Keep away from food, foodstuff, acids and bases. keep away from odour sensitive materials

14.7 Maritime transport in bulk according to IMO instruments

Product is not transported in bulk.

SECTION 15: Regulatory information

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

UK. REACH, Annex XIV, Substances Subject to Authorization (Authorization List), as amended: None present or none present in regulated quantities.

UK. UK REACH Candidate List of substances of very high concern (SVHCs) for Authorisation:

Chemical name	CAS-No.	Concentration	Additional Information

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Decamethylcyclopentasiloxane	541-02-6	0,1 - 1,0%	Persistent, Bioaccumulative and Toxic (article 57d)very Persistent and very Bioaccumulative (article 57e)
Dodecamethylcyclohexasiloxane	540-97-6	0,1 - 1,0%	very Persistent and very Bioaccumulative (article 57e)Persistent, Bioaccumulative and Toxic (article 57d)

UK. POPs List. SI Persistent Organic Pollutants Regulations 3106/2007, amended by UK POPs (Amendment) (EU Exit) Regulations 2020 (No. 1358), as amended: None present or none present in regulated quantities.

Regulation 2024/590/EC on substances that deplete the ozone layer, Annex I, Controlled Substances: None present or none present in regulated quantities.

Regulation 2024/590/EC on substances that deplete the ozone layer, Annex II, New Substances: None present or none present in regulated quantities.

UK EXP1: UK. GB PIC List, Regulation (EU) 649/2012 as amended by EU Exit Regulations S.I. 2019/720 and S.I. 2020/1567, as amended: None present or none present in regulated quantities.

UK EXP2: UK. GB PIC List, Regulation (EU) 649/2012 as amended by EU Exit Regulations S.I. 2019/720 and S.I. 2020/1567, as amended: None present or none present in regulated quantities.

UK EXP3: UK. GB PIC List, Regulation (EU) 649/2012 as amended by EU Exit Regulations S.I. 2019/720 and S.I. 2020/1567, as amended: None present or none present in regulated quantities.

UK BAN: UK. GB PIC List, Regulation (EU) 649/2012 as amended by EU Exit Regulations S.I. 2019/720 and S.I. 2020/1567, as amended: None present or none present in regulated quantities.

Regulation (EC) No. 1907/2006 Annex XVII Substances subject to restriction on marketing and use :

Chemical name	CAS-No.	Number on list
TITANIUM DIOXIDE	13463-67-7	3
Octamethylcyclotetrasiloxane	556-67-2	70
Decamethylcyclopentasiloxane	541-02-6	70

EU. Directive 2012/18/EU (SEVESO III) on major accident hazards involving dangerous substances, Annex I: None present or none present in regulated quantities.

International regulations

Montreal protocol
Not applicable

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Stockholm convention

Not applicable

Rotterdam convention

Not applicable

Kyoto protocol

Not applicable

15.2 Chemical safety assessment: No Chemical Safety Assessment has been carried out.

Inventory Status

Australia Industrial Chem. Act (AICC):	On or in compliance with the inventory	Remarks: None.
Canada DSL Inventory List:	On or in compliance with the inventory	Remarks: None.
Canada NDSL Inventory:	Not in compliance with the inventory.	Remarks: None.
China Inv. Existing Chemical Substances:	On or in compliance with the inventory	Remarks: None.
Japan (ENCS) List:	On or in compliance with the inventory	Remarks: None.
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory	Remarks: None.
New Zealand Inventory of Chemicals:	On or in compliance with the inventory	Remarks: None.
Philippines PICCS:	On or in compliance with the inventory	Remarks: None.
Taiwan Chemical Substance Inventory:	On or in compliance with the inventory	Remarks: None.
US TSCA Inventory:	On or in compliance with the inventory	Remarks: Commercial Status: Active

SECTION 16: Other information

Date of first report version: 10.10.2025

Generation date: 10.10.2025

Version #: 1.0

Revision Information: Not relevant.

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Key literature references and sources for data:

The partition coefficient of D4 between PDMS and water has been determined as $\log K_{PDMS-water} = 7.09$. It follows that PDMS containing up to 3%w/w D4 will generate a thermodynamic limit concentration of 2.4 µg D4/L in the water phase. The critical 21d-NOEC for daphnia of 7.9 µg D4/L will not be reached. The product is therefore not classified for chronic aquatic toxicity

Wording of the statements in section 2 and 3

H302	Harmful if swallowed.
EUH210	Safety data sheet available on request.

Training information:

No data available.

Disclaimer:

This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.