

SAFETY DATA SHEET

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by
Regulation(EU) No. 2020/878

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

1.1 Product identifier

Product name: RTV31

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

Identified uses: Silicone Elastomer

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 according to Regulation (EC) No 1272/2008 as amended.

Not classified

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

2.2 Label Elements Not applicable

Supplemental label information

EUH210: Safety data sheet available on request.

Additional Information: No data available.

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2.3 Other hazards

PBT/vPvB data

vPvB: very persistent and very bioaccumulative substance.

Endocrine disrupting properties-Toxicity

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Endocrine disrupting properties-Ecotoxicity

The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

Chemical nature: Polydimethylsiloxane with filler and coloured pigment.

3.2 Mixtures

General information: No data available.

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:	Notes
Kieselguhr, soda ash flux-calcined	10 - <20%	68855-54-9	272-489-0	No data available.	Not applicable	#
Silicic acid, ethyl ester	1 - <5%	11099-06-2	234-324-0	No data available.	Not applicable	
Decamethylcyclotetrasiloxane	0,1 - <1%	541-02-6	208-764-9	01-2119511367-43-XXXX	Not applicable	vPvB
Dodecamethylcyclotetrasiloxane	0,1 - <1%	540-97-6	208-762-8	01-2119517435-42-XXXX	Not applicable	vPvB
Octamethylcyclotetrasiloxane	0,01 - <0,1%	556-67-2	209-136-7	01-2119529238-36-XXXX	Aquatic Toxicity (Chronic): 10	PBT, vPvB

* 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).

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

Classification

Chemical name	Classification	Notes
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Kieselguhr, soda ash flux-calcined	No data available.	
Silicic acid, ethyl ester	Flam. Liq.: 3: H226; STOT SE: 3: H335; Eye Dam.: 2: H319; Acute Tox.: 4: H302;	
Decamethylcyclopentasiloxane	No data available.	
Dodecamethylcyclohexasiloxane	No data available.	
Octamethylcyclotetrasiloxane	Flam. Liq.: 3: H226; Repr.: 2: H361f; Aquatic Chronic: 1: H410;	No data available.

CLP: Regulation No. 1272/2008.

SECTION 4: First aid measures

General: Move into fresh air and keep at rest. Get medical attention if symptoms occur.

4.1 Description of first aid measures

Inhalation: No data available.

Eye contact: Rinse the eye with water immediately. Get medical attention if symptoms occur.

Skin Contact: After contact with skin, remove product mechanically. Flush contaminated skin with plenty of water.

Ingestion: If swallowed, rinse mouth with water (only if the person is conscious). Do NOT induce vomiting. Consult a physician for specific advice.

4.2 Most important symptoms and effects, both acute and delayed: None known.

4.3 Indication of any immediate medical attention and special treatment needed

Hazards: No data available.

Treatment: No data available.

SECTION 5: Firefighting measures

General Fire Hazards: Use standard firefighting procedures and consider the hazards of other involved materials.

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. Exposure to fire can generate toxic fumes. Acute overexposure to the products of combustion may result in irritation of the respiratory tract.

5.3 Advice for firefighters

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Special fire-fighting procedures:

To prevent and minimize fire or explosion risk from static accumulation and discharge, effectively bond and/or ground product transfer system. Cool fire-endangered containers with water.

Special protective equipment for fire-fighters:

Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment. Use only in well-ventilated areas.

6.2 Environmental Precautions:

Do not allow runoff to sewer, waterway or ground.

6.3 Methods and material for containment and cleaning up:

Absorb spillage with suitable absorbent material. Sweep up and shovel into suitable containers for disposal. Clean thoroughly.

6.4 Reference to other sections:

See Section 8 of the SDS for Personal Protective Equipment. Collect and dispose of spillage as indicated in section 13 of the SDS.

SECTION 7: Handling and storage:

7.1 Precautions for safe handling:

Avoid contact with skin and eyes. Wear appropriate personal protective equipment. Use only in well-ventilated areas.

Storage conditions:

No data available.

7.2 Conditions for safe storage, including any incompatibilities:

Keep container tightly closed in a cool, well-ventilated place. Keep away from water or moist air.

Storage Stability:

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	Type	Exposure Limit Values	Source
Red iron oxide - Fume. - as Fe	STEL	10 mg/m3	UK. EH40 Workplace Exposure Limits (WELs), as amended (12 2011)
Red iron oxide - Respirable.	TWA	4 mg/m3	UK. EH40 Workplace Exposure Limits (WELs), as amended (12 2011)
Red iron oxide - Inhalable	TWA	10 mg/m3	UK. EH40 Workplace Exposure Limits (WELs), as amended (12 2011)
Red iron oxide - Fume. - as Fe	TWA	5 mg/m3	UK. EH40 Workplace Exposure Limits (WELs), as amended (12 2011)
Kieselguhr, soda ash flux-calcined - Inhalable dust.	TWA	6 mg/m3	UK. EH40 Workplace Exposure Limits (WELs), as amended (12 2011)
Kieselguhr, soda ash flux-calcined - Respirable dust.	TWA	2,4 mg/m3	UK. EH40 Workplace Exposure Limits (WELs), as amended (12 2011)
Kieselguhr, soda ash flux-calcined - Respirable fraction and dust	TWA	0,1 mg/m3	EU. OELs for Certain Carcinogens, Mutagens, Reprotoxins: Annex III, Directive 2004/37/EC (CMRD), as amended (12 2017)
Kieselguhr, soda ash flux-calcined - Inhalable dust.	TWA	10 mg/m3	UK. EH40 Workplace Exposure Limits (WELs), as amended (01 2020)
Kieselguhr, soda ash flux-calcined - Respirable dust.	TWA	4 mg/m3	UK. EH40 Workplace Exposure Limits (WELs), as amended (01 2020)

Biological Limit Values

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None.

8.2 Exposure controls

Appropriate Engineering Controls:

Eye wash facilities and emergency shower must be available when handling this product. Use only in well-ventilated areas.

Individual protection measures, such as personal protective equipment

General information:

No data available.

Eye/face protection:

Safety glasses with side-shields conforming to EN166

Skin protection

Hand Protection:

Advice: There is no risk to health due to contact with the chemical. Use hand protection to prevent mechanically injuries.

Other:

Wear suitable protective clothing.

Respiratory Protection:

Use only in well-ventilated areas. In case of inadequate ventilation use suitable respirator.

Hygiene measures:

Observe good industrial hygiene practices. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. When using do not eat, drink or smoke.

Environmental exposure controls:

No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state:

liquid

Form:

liquid

Color:

Red

Odor:

Faint

Odor Threshold:

No data available.

pH:

No data available.

Freezing point:

No data available.

Boiling Point:

> 285 °C (1,013 hPa) (No data available.)

Flash Point:

> 121 °C (Tagliabue Closed Cup)

Evaporation Rate:

No data available.

Flammability (solid, gas):

No data available.

Flammability Limit - Upper (%):

No data available.

Flammability Limit - Lower (%):

No data available.

Vapor pressure:

No data available.

Relative vapor density:

No data available.

Density:

ca. 1,4 g/cm³

Relative density:

No data available.

Solubility(ies)

Solubility in Water:

Insoluble

Solubility (other):

No data available.

Partition coefficient (n-octanol/water) Log Pow:

No data available.

Autoignition Temperature:	RTV31 No data available.
Decomposition Temperature:	No decomposition if stored and applied as directed.
SADT:	No data available.
Viscosity, dynamic:	No data available.
Viscosity, kinematic:	No data available.
Explosive properties:	No data available.
Oxidizing properties:	No data available.

9.2 Other information

No data available.

SECTION 10: Stability and reactivity

10.1 Reactivity:	No data available.
10.2 Chemical Stability:	Material is stable under normal conditions.
10.3 Possibility of hazardous reactions:	Under normal conditions of storage and use, hazardous polymerization will not occur.
10.4 Conditions to avoid:	No data available.
10.5 Incompatible Materials:	Reacts with water liberating small amounts of methanol. Avoid contact with acids and oxidizing substances.
10.6 Hazardous Decomposition Products:	Oxides of silicon. Carbon oxides Tin fumes. 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

General information:	Experience has shown, that the above mentioned product can be used without any danger to health, as long as the usual conditions of industrial hygiene are observed.
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Information on likely routes of exposure

Inhalation:	No data available.
Ingestion:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.

11.1 Information on toxicological effects

Acute toxicity

Oral

Product:	ATEmix: 25.000 mg/kg
Specified substance(s)	
Kieselguhr, soda ash flux-calcined	No data available.
Silicic acid, ethyl ester	No data available.
Decamethylcyclopentasil oxane	No data available.
Dodecamethylcyclohexasiloxane	LD 50 (Rat): 2.000 mg/kg
Octamethylcyclotetrasilox	LD 50 (Rat): > 4.800 mg/kg

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Dermal

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

Specified substance(s)

Kieselguhr, soda ash flux-calcined	No data available.
Silicic acid, ethyl ester	No data available.
Decamethylcyclopenta siloxane	LD 50 (Rabbit): > 2.000 mg/kg
Dodecamethylcyclohex asiloxane	LD 50 (Rat): 2.000 mg/kg
Octamethylcyclotetrasil oxane	LD 50 (Rat): > 2.375 mg/kg

Inhalation

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

Specified substance(s)

Kieselguhr, soda ash flux-calcined	No data available.
Silicic acid, ethyl ester	No data available.
Decamethylcyclopentasil oxane	LC50 (Rat, 4 h): 8,67 mg/l
Dodecamethylcyclohexas iloxane	No data available.
Octamethylcyclotetrasilox ane	LC50 (Rat, 4 h): 36 mg/l

Repeated dose toxicity

Product: No data available.

Specified substance(s)

Kieselguhr, soda ash flux-calcined	No data available.
Silicic acid, ethyl ester	No data available.
Decamethylcyclopentasil oxane	NOAEL (Rat(male and female), Oral, 90 d): 1.000 mg/kg NOAEL (Rat(male and female), Dermal, 28 d): 1.600 mg/kg NOAEC (Rat(male and female), Inhalation - vapor, 2 y): 160 ppm
Dodecamethylcyclohexas iloxane	NOAEL (Rat(male and female), Oral): 1.000 mg/kg
Octamethylcyclotetrasilox ane	No data available.

Skin Corrosion/Irritation:

Product: (Rabbit, 72 h): No skin irritation

Specified substance(s)

Kieselguhr, soda ash flux-calcined	No data available.
Silicic acid, ethyl ester	No data available.
Decamethylcyclopentasil oxane	OECD Test Guideline 404 (Rabbit, 72 h): Non irritating
Dodecamethylcyclohex asiloxane	OECD-Guideline 404 (Acute Dermal Irritation/Corrosion) (Rabbit, 72 h): No skin irritation
Octamethylcyclotetrasil oxane	OECD Test Guideline 404 (Rabbit): Non irritating

Serious Eye Damage/Eye

Irritation:

Product: No data available.

Specified substance(s)

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Kieselguhr, soda ash flux-calcined	No data available.
Silicic acid, ethyl ester	No data available.
Decamethylcyclopentasiloxane	OECD Test Guideline 405 (Rabbit, 72 h): Non irritating
Dodecamethylcyclohexasiloxane	OECD-Guideline 405 (Acute Eye Irritation/Corrosion) (Rabbit, 72 h): No eye irritation Not irritating
Octamethylcyclotetrasiloxane	OECD-Guideline 405 (Acute Eye Irritation/Corrosion) (Rabbit): Non irritating

Respiratory or Skin

Sensitization:

Product: No data available.

Specified substance(s)

Kieselguhr, soda ash flux-calcined	No data available.
Silicic acid, ethyl ester	No data available.
Decamethylcyclopentasiloxane	LLNA (Local Lymph Node Assay), OECD Guideline 429 (LLNA) (Mouse): Non sensitizing.
Dodecamethylcyclohexasiloxane	Maximisation Test, OECD-Guideline 406 (Skin Sensitisation) (Guinea Pig): negative
Octamethylcyclotetrasiloxane	Maximisation Test, OECD-Guideline 406 (Skin Sensitisation) (Guinea Pig): Not sensitizing

Germ Cell Mutagenicity

In vitro

Product: No data available.

Specified substance(s)

Kieselguhr, soda ash flux-calcined	No data available.
Silicic acid, ethyl ester	No data available.
Decamethylcyclopentasiloxane	Ames-Test (OECD-Guideline 471 (Genetic Toxicology: Salmonella typhimurium, Reverse Mutation Assay)): negative (not mutagenic) Mammalian cytogenicity test (Mouse Lymphoma Assay (OECD Guideline 476)): negative (not mutagenic) Chromosomal aberration (OECD 473): negative (not mutagenic)
Dodecamethylcyclohexasiloxane	No data available.
Octamethylcyclotetrasiloxane	Ames-Test (OECD-Guideline 471 (Genetic Toxicology: Salmonella typhimurium, Reverse Mutation Assay)): negative (not mutagenic) Mouse Lymphoma Assay (OECD Guideline 476): negative (not mutagenic)

In vivo

Product: No data available.

Specified substance(s)

Kieselguhr, soda ash flux-calcined	No data available.
Silicic acid, ethyl ester	No data available.
Decamethylcyclopentasiloxane	(OECD-Guideline 474 (Genetic Toxicology: Micronucleus Test)) Inhalation (Rat, male and female)negative (not mutagenic) Vapor.
Dodecamethylcyclohexasiloxane	OECD-Guideline 474 (Genetic Toxicology: Micronucleus Test) (OECD-Guideline 474 (Genetic Toxicology: Micronucleus Test)) Intraperitoneal (Mouse, male and female): negative
Octamethylcyclotetrasiloxane	Chromosomal aberration (OECD 475) Inhalation (Rat, male and female): negative Dominant lethal assay (OECD 478) Oral (Rat, male and female): negative

Carcinogenicity

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Product: No data available.

Specified substance(s)

Kieselguhr, soda ash flux-calcined	No data available.
Silicic acid, ethyl ester	No data available.
Decamethylcyclopentasiloxane	No data available.
Dodecamethylcyclohexasiloxane	No data available.
Octamethylcyclotetrasiloxane	No data available.

Reproductive toxicity

Product: No data available.

Specified substance(s)

Kieselguhr, soda ash flux-calcined	No data available.
Silicic acid, ethyl ester	No data available.
Decamethylcyclopentasiloxane	No data available.
Dodecamethylcyclohexasiloxane	No data available.
Octamethylcyclotetrasiloxane	No data available.

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Specified substance(s)

Kieselguhr, soda ash flux-calcined	No data available.
Silicic acid, ethyl ester	No data available.
Decamethylcyclopentasiloxane	No data available.
Dodecamethylcyclohexasiloxane	No data available.
Octamethylcyclotetrasiloxane	No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Specified substance(s)

Kieselguhr, soda ash flux-calcined	No data available.
Silicic acid, ethyl ester	No data available.
Decamethylcyclopentasiloxane	No data available.
Dodecamethylcyclohexasiloxane	No data available.
Octamethylcyclotetrasiloxane	No data available.

Aspiration Hazard

Product: No data available.

Specified substance(s)

Kieselguhr, soda ash flux-calcined	No data available.
Silicic acid, ethyl ester	No data available.

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Decamethylcyclopentasiloxane	No data available.
Dodecamethylcyclohexasiloxane	No data available.
Octamethylcyclotetrasiloxane	No data available.

11.2 Information on other hazards

Endocrine disrupting properties

Product: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.;

Components:

Kieselguhr, soda ash flux-calcined	No data available.
Silicic acid, ethyl ester	No data available.
Decamethylcyclopentasiloxane	No data available.
Dodecamethylcyclohexasiloxane	No data available.
Octamethylcyclotetrasiloxane	No data available.

Other effects: No data available.

SECTION 12: Ecological information

12.1 Toxicity

Acute toxicity

Fish

Product: No data available.

Specified substance(s)

Kieselguhr, soda ash flux-calcined	No data available.
Silicic acid, ethyl ester	No data available.
Decamethylcyclopentasiloxane	LC50 (Oncorhynchus mykiss, 96 h): > 0,0016 mg/l (OECD-Guideline 204)
Dodecamethylcyclohexasiloxane	No data available.
Octamethylcyclotetrasiloxane	No toxicity at the limit of solubility ; LC50 (Oncorhynchus mykiss, 96 h): > 0,022 mg/l

Aquatic Invertebrates

Product: No data available.

Specified substance(s)

Kieselguhr, soda ash flux-calcined	No data available.
Silicic acid, ethyl ester	No data available.
Decamethylcyclopentasiloxane	EC50 (Daphnia magna, 48 h): > 0,0029 mg/l (OECD Test Guideline 202)
Dodecamethylcyclohexasiloxane	No data available.
Octamethylcyclotetrasiloxane	No toxicity at the limit of solubility ; EC50 (Daphnia magna, 48 h): > 0,015 mg/l

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Chronic Toxicity

Fish

Product: No data available.

Specified substance(s)

Kieselguhr, soda ash flux-calcined	No data available.
Silicic acid, ethyl ester	No data available.
Decamethylcyclopentasiloxane	NOEC (Oncorhynchus mykiss, 90 d): $\geq 0,0014$ mg/l (OECD-Guideline 210) LOEC (Oncorhynchus mykiss, 90 d): $> 0,0014$ mg/l (OECD-Guideline 210)
Dodecamethylcyclohexasiloxane	No toxicity at the limit of solubility ; NOEC (Oncorhynchus mykiss, 91 d): $0,014$ mg/l
Octamethylcyclotetrasiloxane	No toxicity at the limit of solubility ; NOEC (Oncorhynchus mykiss, 93 d): $\geq 0,0044$ mg/l

Aquatic Invertebrates

Product: No data available.

Specified substance(s)

Kieselguhr, soda ash flux-calcined	No data available.
Silicic acid, ethyl ester	No data available.
Decamethylcyclopentasiloxane	NOEC (Daphnia magna, 21 d): $\geq 0,0015$ mg/l (OECD-Guideline 211) LOEC (Daphnia magna, 21 d): $> 0,0015$ mg/l
Dodecamethylcyclohexasiloxane	No toxicity at the limit of solubility ; NOEC (Daphnia magna, 21 d): $0,0046$ mg/l EC50 (Sediment Invertebrate, 28 d): > 420 mg/l LOEC (Sediment Invertebrate, 28 d): ≥ 420 mg/l
Octamethylcyclotetrasiloxane	No toxicity at the limit of solubility ; NOEC (Daphnia magna, 21 d): $> 0,015$ mg/l

Toxicity to Aquatic Plants

Product: No data available.

Specified substance(s)

Kieselguhr, soda ash flux-calcined	No data available.
Silicic acid, ethyl ester	No data available.
Decamethylcyclopentasiloxane	EC50 (Algae (Pseudokirchneriella subcapitata), 96 h): $> 0,0012$ mg/l (OECD Test Guideline 201) NOEC : $\geq 0,0012$ mg/l EC10 : $> 0,0012$ mg/l
Dodecamethylcyclohexasiloxane	No effects at the limit of solubility. ; 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): $\geq 0,002$ mg/l (OECD Test Guideline 201)
Octamethylcyclotetrasiloxane	No toxicity at the limit of solubility ; ErC50 (Selenastrum capricornutum, 96 h): $> 0,022$ mg/l

12.2 Persistence and Degradability

Biodegradation

Product: No data available.

Specified substance(s)

Kieselguhr, soda ash flux-calcined	No data available.
Silicic acid, ethyl ester	No data available.

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Decamethylcyclopentasiloxane	activated sludge (adaptation not specified) (28 d, OECD Test Guideline 310): 0,14 % The product is not readily biodegradable.
Dodecamethylcyclohexasiloxane	No data available.
Octamethylcyclotetrasiloxane	(29 d, 310 Ready Biodegradability - CO ₂ in Sealed Vessels (Headspace Test)): 3,7 % Persistent Not readily biodegradable.

BOD/COD Ratio

Product	No data available.
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Specified substance(s)

Kieselguhr, soda ash flux-calcined	No data available.
Silicic acid, ethyl ester	No data available.
Decamethylcyclopentasiloxane	No data available.
Dodecamethylcyclohexasiloxane	No data available.
Octamethylcyclotetrasiloxane	No data available.

12.3 Bioaccumulative potential

Product:	No data available.
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Specified substance(s)

Kieselguhr, soda ash flux-calcined	No data available.
Silicic acid, ethyl ester	No data available.
Decamethylcyclopentasiloxane	Fathead Minnow, Bioconcentration Factor (BCF): 7.060 (OECD Test Guideline 305)
Dodecamethylcyclohexasiloxane	No data available.
Octamethylcyclotetrasiloxane	Bioconcentration Factor (BCF): 12.400

12.4 Mobility in soil: No data available.

Known or predicted distribution to environmental compartments

Kieselguhr, soda ash flux-calcined	No data available.
Silicic acid, ethyl ester	No data available.
Decamethylcyclopentasiloxane	No data available.
Dodecamethylcyclohexasiloxane	No data available.
Octamethylcyclotetrasiloxane	No data available.

12.5 Results of PBT and vPvB assessment:

vPvB: very persistent and very bioaccumulative substance.

Kieselguhr, soda ash flux-calcined	No data available.
Silicic acid, ethyl ester	No data available.

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Decamethylcyclopentasiloxane	vPvB: very persistent and very bioaccumulative substance.	Decamethylcyclopentasiloxane (D5) meets the current EU REACH Annex XIII criteria for vPvB and has been added to the candidate list for Substances of very high concern (SVHC)., <i>However our understanding of the available science is that D5 does not behave similarly to known PBT/vPvB substances. The silicones industries interpretation of the available data is that the weight of scientific evidence from field studies shows that D5 is not biomagnifying in aquatic and terrestrial food webs. D5 in air will degrade by naturally occurring reactions in the atmosphere. Any D5 in air that does not degrade by these reactions is not expected to deposit from the air to water, to land, or to living organisms.</i>
Dodecamethylcyclohexasiloxane	vPvB: very persistent and very bioaccumulative substance.	Dodecamethylcyclohexasiloxane (D6) meets the current EU REACH Annex XIII criteria for vPvB and has been added to the candidate list for Substances of very high concern (SVHC)., <i>However our understanding of the available science is that D6 does not behave similarly to known PBT/vPvB substances. The silicones industries interpretation of the available data is that the weight of scientific evidence from field studies shows that D6 is not biomagnifying in aquatic and terrestrial food webs. D6 in air will degrade by naturally occurring reactions in the atmosphere. Any D6 in air that does not degrade by these reactions is not expected to deposit from the air to water, to land, or to living organisms</i>
Octamethylcyclotetrasiloxane	Persistent, Bioaccumulative and Toxic (PBT), very Persistent and very Bioaccumulative (vPvB)	Octamethylcyclotetrasiloxane (D4) meets the current EU REACH Annex XIII criteria for PBT and vPvB and has been added to the candidate list for Substances of very high concern (SVHC)., <i>However our understanding of the available science is that D4 does not behave similarly to known PBT/vPvB substances. The silicones industries interpretation of the available data is that the weight of scientific evidence from field studies shows that D4 is not biomagnifying in aquatic and terrestrial food webs. D4 in air will degrade by naturally occurring reactions in the atmosphere. Any D4 in air that does not degrade by these reactions is not expected to deposit from the air to water, to land, or to living organisms.</i>

12.6 Endocrine disrupting properties:

Product:	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
Components:	
Kieselguhr, soda ash flux-calcined	No data available.
Silicic acid, ethyl ester	No data available.
Decamethylcyclopentasiloxane	No data available.

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Dodecamethylcyclhexa siloxane No data available.
Octamethylcyclotetrasiloxane No data available.

12.7 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.

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

SECTION 14: Transport information

ADR

Not regulated.

ADN

Not regulated.

RID

Not regulated.

IMDG

Not regulated.

IATA

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. Keep away from foodstuffs and animal feed.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code :

Not applicable

SECTION 15: Regulatory information

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

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EU Regulations

Regulation 1005/2009/EC on substances that deplete the ozone layer, Annex I, Controlled Substances: none

Regulation 1005/2009/EC on substances that deplete the ozone layer, Annex II, New Substances: none

EU. Regulation 2019/1021/EU on persistent organic pollutants (POPs) (recast), as amended: none

Regulation (EC) No. 649/2012 Import and export of dangerous chemicals: none

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorisation, as amended: none

EU. REACH Candidate List of Substances of Very High Concern for Authorization (SVHC):

Chemical name	CAS-No.	Concentration
Decamethylcyclopentasiloxane	541-02-6	0 - <=0,2199%
Dodecamethylcyclohexasiloxane	540-97-6	0 - <=0,1540%

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

Chemical name	CAS-No.	Concentration
Decamethylcyclopentasiloxane	541-02-6	0,1 - 1,0%

Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens and mutagens at work.:

Chemical name	CAS-No.	Concentration
Kieselguhr, soda ash flux-calcined	68855-54-9	10 - 20%

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breast feeding.: none

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

EU. Regulation No. 166/2006 PRTR (Pollutant Release and Transfer Registry), Annex II: Pollutants: none

Directive 98/24/EC on the protection of workers from the risks related to chemical agents at work: none

15.2 Chemical safety assessment:

No Chemical Safety Assessment has been carried out.

Inventory Status

Australia AICS:	y (positive listing)	Remarks: None.
Canada DSL Inventory List:	y (positive listing)	Remarks: None.
EU EINECS List:	y (positive listing)	Remarks: None.
Japan (ENCS) List:	y (positive listing)	Remarks: None.
China Inventory of Existing Chemical Substances:	y (positive listing)	Remarks: None.
Korea Existing Chemicals Inv. (KECI):	y (positive listing)	Remarks: None.
Canada NDSL Inventory:	n (negative listing)	Remarks: None.
Philippines PICCS:	y (positive listing)	Remarks: None.

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US TSCA Inventory:	y (positive listing)	Remarks: None.
New Zealand Inventory of Chemicals:	y (positive listing)	Remarks: None.
Taiwan Chemical Substance Inventory:	y (positive listing)	Remarks: None.
REACH:	If purchased from Momentive Performance Materials GmbH in Leverkusen, Germany, all substances in this product have been registered by Momentive Performance Materials GmbH or upstream in our supply chain or are exempt from registration under Regulation (EC) No 1907/2006 (REACH). For polymers, this includes the constituent monomers and other reactants.	Remarks: None.

SECTION 16: Other information

Revision Information: Not relevant.

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 H-statements in section 2 and 3

H226	Flammable liquid and vapor.
H302	Harmful if swallowed.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

Training information: No data available.

Issue Date: 28.10.2022

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Disclaimer:

Notice to reader

Unless otherwise specified in section 1.2, Momentive Products are intended for industrial application only.

They are not intended for specific medical applications, neither for long-lasting (> 30 days) implantation into the human body, injected or directly ingested, nor for the manufacture of multiple usable contraceptives.

Further Information

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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