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: RTV 88/DBT

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

Identified uses: Silicone Elastomer
Uses advised against: None 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.

2.3 Other hazards

PBT/vPvB data
vPvB: very persistent and very bioaccumulative substance., PBT: persistent, bioaccumulative and toxic 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	
Decamethylcyclopentasiloxane	0,1 - <1%	541-02-6	208-764-9	01-2119511367-43-XXXX	Not applicable	vPvB
Dodecamethylcyclohexasiloxane	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

RTV 88/DBT

Chemical name	Classification	Notes
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: Get medical attention if symptoms occur.

4.1 Description of first aid measures

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

Eye contact: Get medical attention if symptoms occur. If in eyes, hold eyes open, flood with water for at least 15 minutes and see a doctor.

Skin Contact: Remove contaminated clothing and shoes. Wash skin thoroughly with soap and water. Get medical attention if symptoms occur.

Ingestion: DO NOT induce vomiting. Get medical attention immediately. Do not give victim anything to drink if he is unconscious. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

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 information about adverse effects due to exposure.

Treatment: If swallowed, do NOT induce vomiting. Give a glass of water.

SECTION 5: Firefighting measures

General Fire Hazards: Do not use water jet as an extinguisher, as this will spread the fire. Use water spray to keep fire-exposed containers cool.

5.1 Extinguishing media

Suitable extinguishing media: Alcohol resistant foam. Carbon dioxide Dry chemical.

Unsuitable extinguishing media: Avoid water in straight hose stream; will scatter and spread fire.

5.2 Special hazards arising from the substance or mixture: In case of fire, carbon monoxide and carbon dioxide may be formed.

5.3 Advice for firefighters

Special fire-fighting procedures: Take precautionary measures against static discharges. To prevent and minimize fire or explosion risk from static accumulation and discharge, effectively bond and/or ground product transfer system.

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: Avoid contact with eyes, skin, and clothing. Avoid contact with liquid and vapors. 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. Shovel up and place in a container for salvage or disposal.

6.4 Reference to other sections: Remove sources of ignition. In case of spills, beware of slippery floors and surfaces. 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: Do not taste or swallow. Avoid contact with eyes, skin, and clothing. Wash hands after handling. Provide adequate ventilation. Avoid inhalation of dust and vapors.

Storage conditions: Keep container tightly closed. Keep away from sources of ignition - No smoking.

7.2 Conditions for safe storage, including any incompatibilities: Keep container tightly closed. Keep away from sources of ignition - No smoking.

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
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)

Biological Limit Values

None.

8.2 Exposure controls

Appropriate Engineering Controls: Eye wash facilities and emergency shower should be available when handling this product. No special requirements under ordinary conditions of use and with adequate ventilation. Use only in well-ventilated areas.

Individual protection measures, such as personal protective equipment

General information: Use only in well-ventilated areas. Do not eat, drink or smoke when using the product. Wash hands after handling. Practice good housekeeping.

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:	Safety shoes Long sleeves
Respiratory Protection:	In case of insufficient ventilation, wear suitable respiratory equipment.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands after handling. When using do not eat, drink or smoke. Provide adequate ventilation.
Environmental exposure controls:	No release to wastewater from process as such, wastewater emissions limited to release generated from final equipment cleaning step using water

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:	> 260 °C
Flash Point:	> 100 °C (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. 1,5 g/cm3
Relative density:	No data available.
Solubility(ies)	
Solubility in Water:	No data available.
Solubility (other):	No data available.
Partition coefficient (n-octanol/water) Log Pow:	No data available.
Auto-ignition temperature:	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

VOC Content: 20 g/l

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: Hazardous polymerization does not occur.

10.4 Conditions to avoid: Heat. Sunlight. Moisture.

10.5 Incompatible Materials: Strong Acids, Strong Bases

10.6 Hazardous Decomposition Products: Peroxides. Carbon dioxide 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

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: 43.478,26 mg/kg
Specified substance(s)	
Kieselguhr, soda ash flux-calcined	No data available.
Silicic acid, ethyl ester	No data available.
Decamethylcyclopentasiloxane	No data available.
Dodecamethylcyclohexasiloxane	LD 50 (Rat): 2.000 mg/kg
Octamethylcyclotetrasiloxane	LD 50 (Rat): > 4.800 mg/kg

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.
Decamethylcyclopentasiloxane	LD 50 (Rabbit): > 2.000 mg/kg
Dodecamethylcyclohexasiloxane	LD 50 (Rat): 2.000 mg/kg
Octamethylcyclotetrasil	LD 50 (Rat): > 2.375 mg/kg

oxane

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.
Decamethylcyclopentasiloxane	LC50 (Rat, 4 h): 8,67 mg/l
Dodecamethylcyclohexasiloxane	No data available.
Octamethylcyclotetrasiloxane	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.
Decamethylcyclopentasiloxane	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
Dodecamethylcyclohexasiloxane	NOAEL (Rat(male and female), Oral): 1.000 mg/kg
Octamethylcyclotetrasiloxane	No data available.

Skin Corrosion/Irritation:

Product: No data available.

Specified substance(s)

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

Serious Eye Damage/Eye Irritation:

Product: No data available.

Specified substance(s)

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 Guidline 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 Guidline 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

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.
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

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): >= 0,0014 mg/l (OECD-Guideline 210) LOEC (Oncorhynchus mykiss, 90 d): > 0,0014 mg/l (OECD-Guideline 210)
Dodecamethylcyclohexas	No toxicity at the limit of solubility ; NOEC (Oncorhynchus mykiss, 91 d):

iloxane	0,014 mg/l
Octamethylcyclotetrasiloxane	No toxicity at the limit of solubility ; NOEC (Oncorhynchus mykiss, 93 d): >= 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): >= 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 : >= 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): >= 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.
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.

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.

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. PBT: persistent, bioaccumulative and toxic substance.	
Kieselguhr, soda ash flux-calcined	No data available.	
Silicic acid, ethyl ester	No data available.	
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)., *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.*

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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)., *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*
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)., *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.*

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.
Dodecamethylcyclohexasiloxane	No data available.
Octamethylcyclotetrasiloxane	No data available.

12.7 Other adverse effects:

Other hazards

Product: No data available.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

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

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:

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 - <=0,2120%
Dodecamethylcyclohexasiloxane	540-97-6	0 - <=0,1199%

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

Chemical name	CAS-No.	Concentration
Tetraethyl Silicate	78-10-4	0,1 - 1,0%
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%
QUARTZ	14808-60-7	0,1 - 1,0%

Directive 92/85/EEC: on the safety and health of pregnant workers and workers who have recently given birth or are breast feeding.:

Chemical name	CAS-No.	Concentration
QUARTZ	14808-60-7	0,1 - 1,0%

EU. Directive 2012/18/EU (SEVESO III) on major accident hazards involving dangerous substances, Annex I:

Classification	Lower-tier Requirements	Upper-tier Requirements
P5b. Flammable liquids	50 t	200 t
P5c. Flammable liquids	5.000 t	50.000 t
P5a. Flammable liquids	10 t	50 t
E1. Hazardous to the aquatic environment		

EU. Regulation No. 166/2006 PRTR (Pollutant Release and Transfer Registry), Annex II: Pollutants:

Chemical name	CAS-No.	Concentration
Red iron oxide	1309-37-1	30 - 40%
Kieselguhr, soda ash flux-calcined	68855-54-9	10 - 20%

Directive 98/24/EC on the protection of workers from the risks related to chemical agents at work:

Chemical name	CAS-No.	Concentration
Tetraethyl Silicate	78-10-4	0,1 - 1,0%

National Regulations

No known specific national and/or regional regulations applicable to this product (including its ingredients)

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.
Japan (ENCS) List:	y (positive listing)	Remarks: None.
China Inventory of Existing Chemical Substances:	y (positive listing)	Remarks: None.

RTV 88/DBT

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.
US TSCA Inventory:	y (positive listing)	Remarks: Commercial Status: Active
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 KPDMS-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.
H361f	Suspected of damaging fertility.
H410	Very toxic to aquatic life with long lasting effects.

Training information: No data available.

Issue Date: 16.08.2023

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 asa guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warrantyor 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.