

Version: 2.4 Issue Date: 29.08.2019 Last revised date: 24.05.2024 Supersedes Date: 22.11.2023

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: AEROSIL® R 106

Additional identification	
Chemical name:	Cyclotetrasiloxane, octamethyl-, reaction products with silica
Chemical formula:	C8H24O6Si5
INDEX No.	-
CAS-No.	68583-49-3
EC No.	271-514-2
UK-REACH	UK-01-2509930461-7-0035 (TPR)
Registration No.:	
REACH Registration	01-2119379499-16-0000 (TPR)
No.:	

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

Identified uses:

Antiblocking agents Flow-promoting agent. Silicone rubber Toner

Uses advised against: Not determined.

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 6181 59 4787	
E-mail	:	sds-hu@evonik.com	

1.4 Emergency telephone number:

24-Hour Health : +49 7623 919191 Emergency

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.

Classification (REGULATION (EC) N and UK SI 2020/1567 Environmental Hazards	o 1272/2008) as	amended by GB-CLP Regulation, UK SI 2019/720,
Chronic hazards to the aquatic environment	Category 3	H412: Harmful to aquatic life with long lasting effects.
Label Elements		
Hazard Statement(s):	H412: Harmful	to aquatic life with long lasting effects.
Precautionary Statements Prevention:	P273: Avoid rel	ease to the environment.
Disposal:		of contents/ container to an approved facility in h local, regional, national and international

2.3 Other hazards

2.2

PBT/vPvB data

This substance/mixture contains components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB).

SECTION 3: Composition/information on ingredients

3.1 Substances

Chemical name:	С
INDEX No.:	
CAS-No.:	68
EC No.:	27
UK-REACH Registration No.:	U

Cyclotetrasiloxane, octamethyl-, reaction products with silica

68583-49-3 271-514-2 No.: UK-01-2509930461-7-0035 (TPR)

REACH Registration No.:

01-2119379499-16-0000 (TPR)

Chemical name	Concentrati on	CAS-No.	EC No.	Registration	REACH Registration No.		Notes
Cyclotetras iloxane, octamethyl -, reaction products with silica		68583-49-3	271-514-2	UK-01- 250993046 1-7	01- 211937949 9-16	No data available.	
octamethyl cyclotetrasi loxane	0.01 - <0.15%	556-67-2	209-136-7	-	01- 211952923 8-36	Aquatic Toxicity (Chronic): 10	##

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

This substance has workplace exposure limit(s). ## This substance is listed as SVHC.



Chemical name	Classification	Notes
Cyclotetrasiloxane,	Classification: None known.	Not
octamethyl-, reaction		applicab
products with 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.	

SECTION 4: First aid measures

4.1 Description of first aid measures

Inhalation:	In case product dust is released: Possible discomfort: cough, sneezing Move to fresh air.
Skin Contact:	Wash off with plenty of water and soap.
Eye contact:	Possible discomfort is due to foreign substance effect. Rinse thoroughly with plenty of water keeping eyelid open. In case of persistent discomfort: Consult an ophthalmologist.
Ingestion:	Clean mouth with water and drink afterwards plenty of water. After absorbing large amounts of substance / In case of discomfort: Supply with medical care.
Personal Protection for First-aid Responders:	No data available.
4.2 Most important symptoms and effects, b	oth acute and delayed
Symptoms:	None known.
Hazards:	None known.
4.3 Indication of immediate medical attention	n and special treatment needed
Treatment:	No hazards which require special first aid measures.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:	Water spray, foam, CO2, dry powder. Adapt fire- extinguishing measures to surroundings
Unsuitable extinguishing media:	Do not use a solid water stream as it may scatter and spread fire.
5.2 Special hazards arising from the substance or mixture:	May be released in case of fire: carbon monoxide, carbon dioxide, organic products of decomposition.

5.3 Advice for firefighters



Pro	oduct name: AEROSIL® R 106		
	Special fire fighting procedures	5:	Water used to extinguish fire should not enter drainage systems, soil or stretches of water. Ensure there are sufficient retaining facilities for water used to extinguish fire. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
	Special protective equipment fo fighters:	or fire-	In the event of fire, wear self-contained breathing apparatus.
SEC	CTION 6: Accidental release measu	res	
6.1	Personal precautions, protective equipment and emergency procee	dures:	Use personal protective equipment. Avoid dust formation.
6.1.	1 For non-emergency personnel:		No data available.
6.1.	2 For emergency responders:		No data available.
6.2	Environmental Precautions:		Do not allow entrance in sewage water, soil stretches of water, groundwater, drainage systems.
6.3	Methods and material for contain cleaning up:	ment and	Sweep up or vacuum up spillage and collect in suitable container for disposal.
6.4	Reference to other sections:		For personal protection see section 8. For disposal considerations see section 13.
SEC	CTION 7: Handling and storage		
7.1	Precautions for safe handling		
	Technical measures:		Ensure suitable suction/aeration at the work place and with operational machinery.
	Local/Total ventilation:		No data available.
	Safe handling advice:		If necessary: Local ventilation.Handle in accordance with good industrial hygiene and safety practice. If there is the possibility of skin/eye contact, the indicated hand/eye/body protection should be used. If workplace exposure limits are exceeded and/or larger amounts are released (leakage, spilling, dust) the indicated respiratory protection should be used.
	Contact avoidance measures:		No data available.
7.2	Conditions for safe storage, includ	ding any in	compatibilities
	Safe storage conditions:		Protect from heat and exposure to direct sunlight Keep containers tightly closed in a dry, cool and well-ventilated place.Take precautionary measures against static discharges. When repairs of the production system are to be made (e.g. welding work), the section to be repaired must be essentially free of product.
	Safe packaging materials:		No data available.
7.3	Specific end use(s):		Applications; see Section 1. No further information available
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	-		



SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

Occupational Exposure Limits

Chemical name	Туре	Form of exposure	Exposure L	imit Values	Source
Silicon dioxide, chemically prepared (CAS 112945-52-5 resp. 7631-86-9)	TWA	Inhalable dust.		6 mg/m3	EH40 WEL (12 2011)
	TWA	Respirabl e dust.		2.4 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.

Biological Limit Values

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

DNEL-Values

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

PNEC-Values

Critical component	Environmental compartment	PNEC-Values	Remarks
octamethylcyclotetrasiloxane	Sediment (freshwater)	3 mg/kg	
	Aquatic (freshwater)	1.5 μg/l	
	Soil	0.84 mg/kg	Soil
	Aquatic (marine water)	0.15 μg/l	
	Sewage treatment plant	10 mg/l	
	Predator	41 mg/kg	Oral
	Sediment (marine water)	0.3 mg/kg	

8.2 Exposure controls

Appropriate Engineering Controls:

Ensure suitable suction/aeration at the work place and with operational machinery.

Individual protection measures, such as personal protective equipment

Eye/face protection:	Safety glasses with side shields If dust occurs: basket- shaped glasses
Hand Protection:	Additional Information: Wear protective gloves made of the following materials: material, rubber, leather. Additional Information: The data about break through time/strength of material is not valid for undissolved solids/dust.
Skin and Body Protection:	No special protective equipment required.



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Product name: AEROSIL® R 106

Respiratory Protection:	No special protective equipment required. If dust occurs: Dust mask with P2 particle filter
Hygiene measures:	When using, do not eat, drink or smoke. Wash face and/or hands before break and end of work. To ensure ideal skin protection: use super fatted soaps and skin cream for skin care. Wash contaminated clothing before reuse.
Environmental Controls:	see section 6.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties Appearance

Appearance	
Physical state:	solid
Form:	Powder
Color:	White
Odor:	Odorless
Odor Threshold:	Not applicable
Melting Point:	Not applicable Decomposition
Boiling Point:	Not applicable Decomposition
Flammability:	Not applicable
Upper/lower limit on flammability or	r explosive limits
Explosive limit - upper:	No data available.
Explosive limit - lower:	No data available.
Flash Point:	Not applicable (solid)
Auto-ignition temperature:	> 600 °C Method: VDI 2263
Decomposition Temperature:	> 300 °C
pH:	> 3.7 at 20 °C Concentration: 40 g/l 1: 1 in suspension
Viscosity	
Dynamic viscosity:	Not applicable (solid)
Kinematic viscosity:	Not applicable (solid)
Solubility(ies)	
Solubility in Water:	hardly soluble
Partition coefficient (n-octanol/wate	r): Not applicable
Vapor pressure:	Not applicable
Relative density:	No data available.
Density:	Approximate 2 g/cm3 at 20 °C
Vapor density (air=1):	No data available.
9.2 Other information	
Peroxides:	Not applicable

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Evaporation Rate:	Not applicable
Eraporation Rate.	

Minimum ignition energy:

е

Not applicable

SECT	ION 10: Stability and reactivity	
10.1	Reactivity:	No dangerous reaction known under conditions of normal use.
10.2	Chemical Stability:	Stable under recommended storage conditions.
10.3	Possibility of hazardous reactions:	No hazardous reactions are known if properly handled and stored.
10.4	Conditions to avoid:	Hydrophobic properties disappear at temperatures > 300°C
10.5	Incompatible Materials:	No further information available
10.6	Hazardous Decomposition Products:	organic products of decomposition carbon monoxide, carbon dioxide Stable under normal conditions. Product will not undergo hazardous polymerization.

SECTION 11: Toxicological information

General information:	Silicosis or other product specific illnesses of the respiratory tract were
	not observed in association with the product.

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

Information on likely routes of exposure

Inhalation:	Information on effects are given below.
Skin Contact:	Information on effects are given below.
Eye contact:	Information on effects are given below.
Ingestion:	Information on effects are given below.

Acute toxicity (list all possible routes of exposure)

Oral Product: Components: Cyclotetrasiloxane, octamethyl-, reaction products with silica	LD 50, Rat, Female, Male, > 5,000 mg/kg, OECD 401, (analogy) LD 50, Rat, Female, Male, > 5,000 mg/kg, OECD 401, (analogy)
•	LD 50, Rat, Male, > 5,000 mg/kg, OECD 401
Dermal	
Product: Components:	LD 50, Rabbit, > 5,000 mg/kg, (analogy)
Cyclotetrasiloxane, octamethyl-, reaction products with silica	LD 50, Rabbit, > 5,000 mg/kg, (analogy)
octamethylcyclotetrasilox ane	LD 50, Rat, Female, Male, > 5,000 mg/kg, OECD 402



Inhalation	
Product:	LC 50, Rat, Female, Male, 4 h, > 5.01 mg/l, OECD 436, Dust and mist, (analogy)
Components: Cyclotetrasiloxane, octamethyl-, reaction	LC 50, Rat, Female, Male, 4 h, > 5.01 mg/l, Dust and mist, OECD 436, (analogy)
products with silica octamethylcyclotetrasilox ane	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:	NOAEL Rat, Male, Oral, 28 day, 7 days a week, >= 1,000 mg/kg, No negative effects. (analogy)
Components: Cyclotetrasiloxane, octamethyl-, reaction products with silica	NOAEL Rat, Male, Oral, 28 day, 7 days a week, >= 1,000 mg/kg, No negative effects. (analogy)
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:	OECD 404, (Rabbit), Not irritating, (analogy)
Components:	CECD 404, (Rabbil), Not imating, (analogy)
Cyclotetrasiloxane, octamethyl-, reaction products with silica	Not irritating, OECD 404, Rabbit, (analogy)
octamethylcyclotetrasilox ane	Not irritating, OECD 404, Rabbit
Serious Eye Damage/Eye Irr	
Product: Components:	analogous OECD method, Rabbit, Not irritating, (analogy)
Cyclotetrasiloxane, octamethyl-, reaction	Not irritating, analogous OECD method, Rabbit, (analogy)
products with silica octamethylcyclotetrasilox ane	Not irritating, OECD 405, Rabbit
Respiratory or Skin Sensitiz	ation
Product:	Local Lymph Node Assay (LLNA), OECD 429, Mouse, Not a skin sensitizer., (analogy) Maximization Test, OECD 406, Guinea Pig, Not a skin sensitizer., (analogy)
Components: Cyclotetrasiloxane, octamethyl-, reaction products with silica	Local Lymph Node Assay (LLNA), OECD 429, Mouse, Not a skin sensitizer., (analogy) Maximization Test, OECD 406, Guinea Pig, Not a skin sensitizer.,
octamethylcyclotetrasilox ane	(analogy) 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: Components:	No evidence that cancer may be caused.



Cyclotetrasiloxane, No evidence that cancer may be caused.	
products with silica octamethylcyclotetrasilox No data available. ane	
Germ Cell Mutagenicity no evidence of mutagenic effects	
In vitro	
Product:gene mutation test, OECD 471: , negative, (analogy) gene mutation test, OECD 490: , negative, (analogy) Chromosomal aberration, OECD 473: , negative, (analogy)	
Componentes	
Components:Cyclotetrasiloxane,gene mutation test, OECD 471: , negative, (analogy)octamethyl-, reactiongene mutation test, OECD 490: , negative, (analogy)products with silicaChromosomal aberration, OECD 473: , negative, (analogy)	
octamethylcyclotetrasilox Ames test, OECD 471: , negative ane Chromosomal aberration, OECD 473: , negative gene mutation test, OECD 476: , negative	
In vivo Product: Chromosomal aberration, OECD 475, Oral, Rat, Male, negative, (analogy)	
Componentes	
Components:Cyclotetrasiloxane,Chromosomal aberration, OECD 475, Oral, Rat, Male, negative,octamethyl-, reaction(analogy)products with silica	
octamethylcyclotetrasilox ane Chromosomal aberration, OECD 474, Inhalation - vapor, Rat, negative Chromosomal aberration, OECD 478, Oral, Rat, negative Chromosomal aberration, OECD 475, Inhalation - vapor, Rat, Fema Male, negative	ale,
Reproductive toxicity Product: No data available. Components:	
Cyclotetrasiloxane, no evidence of reproductiontoxic properties octamethyl-, reaction products with silica	
octamethylcyclotetrasilox Suspected of damaging fertility or the unborn child. Suspected of damaging fertility.	
Specific Target Organ Toxicity - Single Exposure Product: no evidence for hazardous properties	
Components: Cyclotetrasiloxane, no evidence for hazardous properties octamethyl-, reaction	
products with silica octamethylcyclotetrasilox No data available. ane	
Specific Target Organ Toxicity - Repeated Exposure Product: no evidence for hazardous properties	



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Components: Cyclotetrasiloxane, octamethyl-, reaction products with silica	no evidence for hazardous properties
octamethylcyclotetrasilox	No data available.
ane	
Aspiration Hazard	
Product:	Not applicable
Components:	
Cyclotetrasiloxane, octamethyl-, reaction products with silica	Not applicable
octamethylcyclotetrasilox	Not classified

11.2 Information on other hazards

Other information

Product:

ane

Based on available data, the classification criteria are not met.;

SECTION 12: Ecological information

12.1 Toxicity:

Acute hazards to the aquatic environment:

Components: Cyclotetrasiloxane, octamethyl-, reaction products with silica octamethylcyclotetrasilo xaneLC 50, (Brachydanio rerio), 96 h, > 10,000 mg/l OECD 203, The reported toxic effects relate to the nominal concentration. (analogy)Aquatic Invertebrates Product:LC 50, Oncorhynchus mykiss, 96 h, > 22 µg/l US-EPA-method NOEC, Oncorhynchus mykiss, 96 h, > 22 µg/l US-EPA-method NOEC, Oncorhynchus mykiss, 96 h, 22 µg/l US-EPA-methodAquatic Invertebrates Product:EC 50, Daphnia magna, 24 h, > 1,000 mg/l OECD 202, The reported toxic effects relate to the nominal concentration. (analogy)Components: Cyclotetrasiloxane, octamethylcyclotetrasilo xaneEC 50, Daphnia magna, 24 h, > 1,000 mg/l OECD 202, The reported toxic effects relate to the nominal concentration. (analogy)Components: Cyclotetrasilo xaneEC 50, Daphnia magna, 48 h, 15 µg/l US-EPA-method EC 50, Daphnia magna, 48 h, > 15 µg/l US-EPA-methodToxicity to Aquatic Plants Product:EC 50 (Desmodesmus subspicatus (green algae), 72 h): > 173 mg/l (OECD 201) (analogy)Components: Cyclotetrasiloxane, octamethyl-, reaction products with silica octamethyl-, reaction products with silica octamethyl	Fish Product:	LC 50, (Brachydanio rerio), 96 h, > 10,000 mg/l OECD 203, The repor toxic effects relate to the nominal concentration. (analogy)	rted
Aquatic Invertebrates Product:EC 50, Daphnia magna, 24 h, > 1,000 mg/l OECD 202, The reported toxic effects relate to the nominal concentration. (analogy)Components: Octamethyl-, reaction 	Cyclotetrasiloxane, octamethyl-, reaction products with silica octamethylcyclotetrasilo	LC 50, (Brachydanio rerio), 96 h, > 10,000 mg/l OECD 203, The repo toxic effects relate to the nominal concentration. (analogy) LC 50, Oncorhynchus mykiss, 96 h, > 22 µg/l US-EPA-method	rted
Components: Cyclotetrasiloxane, octamethyl-, reaction products with silica octamethylcyclotetrasilox xaneEC 50, Daphnia magna, 24 h, > 1,000 mg/l OECD 202, The reported toxic effects relate to the nominal concentration. (analogy)NOEC, Daphnia magna, 48 h, 15 µg/l US-EPA-method EC 50, Daphnia magna, 48 h, > 15 µg/l US-EPA-methodToxicity to Aquatic Plants Product:EC 50 (Desmodesmus subspicatus (green algae), 72 h): > 173 mg/l (OECD 201) (analogy)Components: Cyclotetrasiloxane, octamethyl-, reaction products with silica octamethylcyclotetrasilox aneEC 50 (Desmodesmus subspicatus (green algae), 72 h): > 173 mg/l (OECD 201) (analogy)Components: 	Aquatic Invertebrates	EC 50, Daphnia magna, 24 h, > 1,000 mg/l OECD 202, The reported	
Product:EC 50 (Desmodesmus subspicatus (green algae), 72 h): > 173 mg/l (OECD 201) (analogy)Components:EC 50 (Desmodesmus subspicatus (green algae), 72 h): > 173 mg/l (OECD 201) (analogy)Components:EC 50 (Desmodesmus subspicatus (green algae), 72 h): > 173 mg/l (OECD 201) (analogy)products with silica octamethylcyclotetrasilox aneEC 50 (Algae (Pseudokirchneriella subcapitata), 96 h): > 22 µg/l (US- EPA-method) EC 50 (Algae (Pseudokirchneriella subcapitata), 96 h): > 22 µg/l (US-	Cyclotetrasiloxane, octamethyl-, reaction products with silica octamethylcyclotetrasilo	EC 50, Daphnia magna, 24 h, > 1,000 mg/l OECD 202, The reported toxic effects relate to the nominal concentration. (analogy) NOEC, Daphnia magna, 48 h, 15 μg/l US-EPA-method	
,	Product: Components: Cyclotetrasiloxane, octamethyl-, reaction products with silica octamethylcyclotetrasilox	 (OECD 201) (analogy) EC 50 (Desmodesmus subspicatus (green algae), 72 h): > 173 mg/l (OECD 201) (analogy) EC 50 (Algae (Pseudokirchneriella subcapitata), 96 h): > 22 μg/l (US-EPA-method) 	

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Toxicity to microorganisms	
Product:	EC 50, local activated sludge, 3 h, > 2,500 mg/l, OECD 209, (analogy)
Components:	
Cyclotetrasiloxane, octamethyl-, reaction products with silica	EC 50, local activated sludge, 3 h, > 2,500 mg/l, OECD 209, (analogy)
octamethylcyclotetrasilox ane	No data available.

Chronic hazards to the aquatic environment:

Fish Product: Components: Cyclotetrasiloxane, octamethyl-, reaction products with silica octamethylcyclotetrasilo xane	No data available. No data available.
Aquatic Invertebrates Product: Components: Cyclotetrasiloxane, octamethyl-, reaction products with silica	No data available. No data available.
octamethylcyclotetrasilo xane	 NOEC, Daphnia magna, 21 d, 15 μg/l, EPA OTS 797.1330 Lowest Observed Effect Concentration, Daphnia magna, 21 d, 15 μg/l, EPA OTS 797.1330 EC 50, Daphnia magna, 21 d, > 15 μg/l, EPA OTS 797.1330
Toxicity to Aquatic Plants Product: Components: Cyclotetrasiloxane,	No data available.
octamethyl-, reaction products with silica octamethylcyclotetrasilox ane	ox NOEC (Algae (Pseudokirchneriella subcapitata), 96 h): < 22 μg/l (US- EPA-method)
Toxicity to microorganism Product:	ns EC 50, local activated sludge, 3 h, > 2,500 mg/l, OECD 209, (analogy)
Components: Cyclotetrasiloxane, octamethyl-, reaction	EC 50, local activated sludge, 3 h, > 2,500 mg/l, OECD 209, (analogy)
products with silica octamethylcyclotetrasilox ane	ox No data available.
12.2 Persistence and Degradabi	ility
Biodegradation	
Due hast	

Product:

Components:

GB



Cyclotetrasiloxane, The methods designed to assess persistence and biodegradability are octamethyl-, reaction not applicable to this product, in analogy to inorganic substances. 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: Not to be expected. Components: Cyclotetrasiloxane, Not to be expected. octamethyl-, reaction products with silica octamethylcyclotetrasilox No data available. ane

Partition Coefficient n-octanol / water (log Kow)

Not applicable **Product: Components:** Cyclotetrasiloxane, , Not applicable octamethyl-, reaction products with silica octamethylcyclotetrasilox 6.488, 25.1 °C, OECD 123 ane

12.4 Mobility in soil:

Product	No remarkable mobility in soil is to be expected.
Components:	
Cyclotetrasiloxane, octamethyl-, reaction products with silica	No remarkable mobility in soil is to be expected.
octamethylcyclotetrasilox	No data available.
ane	

12.5 Results of PBT and vPvB assessment:

Product	This substance/mixture contains components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB).
Components: Cyclotetrasiloxane, octamethyl-, reaction products with silica	No data available.
•	canePBT: persistent, bioaccumulative and toxic substance. vPvB: very persistent and very bioaccumulative substance.
Other adverse effects:	

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Other hazards
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Product:

Harmful to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

13.1 Waste treatment methods



General information:	No data available.
Disposal methods:	Review all local, state and federal regulations concerning health and pollution for appropriate disposal procedures. No waste key number as per the European Waste Types List can be assigned to this product, since such classification is based on the (as yet undetermined) use to which the product is put by the consumer. The waste key number must be determined as per the European Waste Types List (decision on EU Waste Types List 2000/532/EC) in cooperation with the disposal firm / producing firm / official authority.
Contaminated Packaging:	Offer rinsed packaging material to local recycling facilities. Other countries: observe the national regulations.

SECTION 14: Transport information

14.1 UN/ID No.

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Not applicable

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

Regulation 1005/2009/EC on substances that deplete the ozone layer, Annex I, Controlled Substances: None present or none present in regulated quantities (on the basis of current knowledge of the product composition).

Regulation 1005/2009/EC on substances that deplete the ozone layer, Annex II, New Substances: None present or none present in regulated quantities (on the basis of current knowledge of the product composition).

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 (on the basis of current knowledge of the product composition).



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 (on the basis of current knowledge of the product composition).

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 (on the basis of current knowledge of the product composition).

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 (on the basis of current knowledge of the product composition).

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.

International regulations

Montreal protocol Not applicable

Stockholm convention Not applicable

Rotterdam convention Not applicable

Kyoto protocol

Not applicable

SECTION 16: Other information

Abbreviations and acronyms:

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 -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:

Training information:	No data available.
Revision Information	Changes since the last version are highlighted in the margin. This version replaces all previous versions.
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