

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

#### 1.1. Product identifier

Product form : Mixture  
Trade name : Parasilico PL

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

##### 1.2.1. Relevant identified uses

Main use category : Professional use

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

DL CHEMICALS  
Roterijstraat 201-203  
B-8793 Waregem - Belgium  
T + 32 56 62 70 51 - F + 32 56 60 95 68  
[info@dl-chem.com](mailto:info@dl-chem.com) - [www.dl-chem.com](http://www.dl-chem.com)

#### 1.4. Emergency telephone number

Emergency number : + 32 70 245 245

Country	Official advisory body	Address	Emergency number	Comment
United Kingdom	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	+44 20 7188 7188	

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]  
Not classified

Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

EUH-statements : EUH210 - Safety data sheet available on request.

#### 2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

Contains PBT/vPvB substances >= 0.1% assessed in accordance with REACH Annex XIII

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
aminofunctionel oligosiloxane	(CAS-No.) 749886-39-3	1 - <3	Skin Corr. 1B, H314

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## Safety Data Sheet

according to Regulation (EU) 2015/830

decamethylcyclopentasiloxaan substance listed as REACH Candidate (Decamethylcyclopentasiloxane (D5)) PBT substance vPvB substance	(CAS-No.) 541-02-6 (EC-No.) 208-764-9	0,1 - 2,5	Not classified
Dodecamethylcyclohexasiloxaan substance listed as REACH Candidate (Dodecamethylcyclohexasiloxane (D6)) PBT substance vPvB substance	(CAS-No.) 540-97-6 (EC-No.) 208-762-8	0,1 - 2,5	Not classified
octamethylcyclotetrasiloxane substance listed as REACH Candidate (Octamethylcyclotetrasiloxane (D4)) PBT substance vPvB substance	(CAS-No.) 556-67-2 (EC-No.) 209-136-7 (EC Index-No.) 014-018-00-1 (REACH-no) 01-2119529238-36	0,1 - 2,5	Repr. 2, H361f Aquatic Chronic 4, H413

Full text of H-statements: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- First-aid measures after skin contact : After contact with skin, first remove product with a dry cloth and then wash the skin with plenty of water.
- First-aid measures after eye contact : Rinse immediately with water. If eye irritation persists: Get medical advice/attention.
- First-aid measures after ingestion : Rinse mouth. Do not induce vomiting. Get medical advice/attention.

#### 4.2. Most important symptoms and effects, both acute and delayed

No additional information available

#### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

- Suitable extinguishing media : All extinguishing media allowed.
- 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

Hazardous decomposition products in case of fire : Carbon dioxide. Carbon monoxide. Methanol.

#### 5.3. Advice for firefighters

- Firefighting instructions : Cool down the containers exposed to heat with a water spray.
- Other information : Do not allow run-off from fire fighting to enter drains or water courses.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Ensure adequate air ventilation.

##### 6.1.1. For non-emergency personnel

No additional information available

##### 6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection. Equip rescue crew with proper protection.

#### 6.2. Environmental precautions

Do not allow into drains or water courses.

#### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.

#### 6.4. Reference to other sections

No additional information available

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### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hygiene measures : Wear personal protective equipment.

#### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Store in tightly closed containers.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

octamethylcyclotetrasiloxane (556-67-2)		
EU	IOELV TWA (mg/m <sup>3</sup> )	123 mg/m <sup>3</sup>
EU	IOELV TWA (ppm)	10 ppm

#### 8.2. Exposure controls

Appropriate engineering controls:

Avoid any direct contact with the product.

Hand protection:

In case of repeated or prolonged contact wear gloves. Time of penetration is to be checked with the glove producer. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer. Gloves must be replaced after each use and whenever signs of wear or perforation appear

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Nitrile rubber (NBR)		> 0,1		EN ISO 374

Eye protection:

Type	Use	Characteristics	Standard
Safety glasses	Droplet	With side shields	EN 166

Skin and body protection:

No special clothing/skin protection equipment is recommended under normal conditions of use

Respiratory protection:

No special respiratory protection equipment is recommended under normal conditions of use with adequate ventilation



Other information:

Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state : Liquid  
Appearance : Paste.  
Colour : According to product specification.  
Odour : Sweet.  
Odour threshold : No data available  
pH : No data available

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Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: > 94 °C (estimated value)
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1,035 g/cm <sup>3</sup>
Solubility	: Water: < 10 % Insoluble
Log Pow	: No data available
Viscosity, kinematic	: > 20,5 mm <sup>2</sup> /s at 40 °C
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reactions known under normal conditions of use.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No polymerization.

### 10.4. Conditions to avoid

Moisture. Heat sources.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

None under normal conditions.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified

Acute toxicity (dermal) : Not classified

Acute toxicity (inhalation) : Not classified

ATE CLP (oral)	43478,26 mg/kg
ATE CLP (dermal)	120434,78 mg/kg
ATE CLP (vapours)	1304,35 mg/l

#### aminofunctionel oligosiloxane (749886-39-3)

LD50 oral rat	> 1500 mg/kg
LD50 dermal rabbit	3800 mg/kg

#### decamethylcyclopentasiloxaan (541-02-6)

LD50 oral rat	5000 mg/kg
LD50 dermal rabbit	2000 mg/kg
LC50 inhalation rat (mg/l)	8,67 mg/l/4h

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Dodecamethylcyclohexasiloxaan (540-97-6)	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg

octamethylcyclotetrasiloxane (556-67-2)	
LD50 oral rat	> 4800 mg/kg
LD50 dermal rat	> 2375 mg/kg bodyweight
LD50 dermal rabbit	> 2,5 mg/kg bodyweight
LC50 inhalation rat (mg/l)	36 mg/l/4h
LC50 inhalation rat (Vapours - mg/l/4h)	2975 mg/l/4h

Skin corrosion/irritation	: Not classified
Additional information	: (OECD 404 method)
Serious eye damage/irritation	: Not classified
Additional information	: (OECD 405 method)
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified

STOT-single exposure : Not classified

decamethylcyclopentasiloxaan (541-02-6)	
NOAEL (oral, rat)	1000 mg/kg bodyweight
NOAEL (dermal, rat/rabbit)	1600 mg/kg bodyweight
NOAEC (inhalation, rat, gas)	2420 mg/m <sup>3</sup>
NOAEC (inhalation, rat, vapour)	0 - 0

STOT-repeated exposure : Not classified

decamethylcyclopentasiloxaan (541-02-6)	
NOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight/day

Dodecamethylcyclohexasiloxaan (540-97-6)	
LOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight/day
LOAEC (inhalation, rat, gas, 90 days)	10 ppmv/6h/day

octamethylcyclotetrasiloxane (556-67-2)	
LOAEL (dermal, rat/rabbit, 90 days)	950 mg/kg bodyweight/day
NOAEL (dermal, rat/rabbit, 90 days)	950 mg/kg bodyweight/day

Aspiration hazard : Not classified

Parasilico PL	
Viscosity, kinematic	> 20,5 mm <sup>2</sup> /s at 40 °C

## SECTION 12: Ecological information

### 12.1. Toxicity

Acute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Not classified

decamethylcyclopentasiloxaan (541-02-6)	
LC50 fish 1	16 µg/l (OECD 204 method)
EC50 Daphnia 1	2,9 µg/l OECD 202
EC50 96h algae (1)	0,012 mg/l
LOEC (chronic)	0,014 mg/l Fish
NOEC chronic fish	14 µg/l OESO 210 90d
NOEC chronic crustacea	0,0015 mg/l Daphnia magna OESO 211
NOEC chronic algae	0,0012 mg/l

octamethylcyclotetrasiloxane (556-67-2)	
LC50 fish 1	> 0,0063 mg/l
EC50 Daphnia 1	> 0,0091 mg/l
EC50 72h algae (1)	> 0,022 mg/l

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octamethylcyclotetrasiloxane (556-67-2)	
ErC50 (algae)	> 0,022 mg/l
NOEC chronic fish	>= 0,0044 mg/l
NOEC chronic crustacea	> 0,0079 mg/l

### 12.2. Persistence and degradability

decamethylcyclopentasiloxaan (541-02-6)	
Biodegradation	0,14 % (OECD 310 method)

Dodecamethylcyclohexasiloxaan (540-97-6)	
Persistence and degradability	Not readily biodegradable.
Biodegradation	4,5 % (OECD 310 method)

octamethylcyclotetrasiloxane (556-67-2)	
Persistence and degradability	Not readily biodegradable.
Biodegradation	28d 3,7 % (OECD 310 method)

### 12.3. Bioaccumulative potential

decamethylcyclopentasiloxaan (541-02-6)	
Bioconcentration factor (BCF REACH)	7060 OECD 305 pimephales promelas
Log Kow	8,02 at 25.3°C

Dodecamethylcyclohexasiloxaan (540-97-6)	
Log Pow	8,87
Log Kow	8

octamethylcyclotetrasiloxane (556-67-2)	
Bioconcentration factor (BCF REACH)	12400
Log Pow	6,48 at 25.1°C

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

Parasilico PL	
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	
Component	
decamethylcyclopentasiloxaan (541-02-6)	This substance/mixture meets the PBT criteria of REACH regulation, annex XIII This substance/mixture meets the vPvB criteria of REACH regulation, annex XIII
Dodecamethylcyclohexasiloxaan (540-97-6)	This substance/mixture meets the PBT criteria of REACH regulation, annex XIII This substance/mixture meets the vPvB criteria of REACH regulation, annex XIII
octamethylcyclotetrasiloxane (556-67-2)	This substance/mixture meets the PBT criteria of REACH regulation, annex XIII This substance/mixture meets the vPvB criteria of REACH regulation, annex XIII

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Regional legislation (waste) : Disposal must be done according to official regulations.  
Product/Packaging disposal recommendations : Can be incinerated according to local regulations.

## SECTION 14: Transport information

In accordance with ADR

ADR	
14.1. UN number	Not applicable
14.2. UN proper shipping name	Not applicable
14.3. Transport hazard class(es)	Not applicable

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<b>ADR</b>
<b>14.4. Packing group</b>
Not applicable
<b>14.5. Environmental hazards</b>
Dangerous for the environment : No
No supplementary information available

### 14.6. Special precautions for user

- Overland transport  
No data available

### 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

#### 15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:	
3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008	octamethylcyclotetrasiloxane
3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	aminofunctionel oligosiloxane - octamethylcyclotetrasiloxane
3(c) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1	octamethylcyclotetrasiloxane
70. Octamethylcyclotetrasiloxane (D4) ; Decamethylcyclopentasiloxane (D5)	octamethylcyclotetrasiloxane

Contains a substance on the REACH candidate list in concentration 0.1% or with a lower specific limit:  
Decamethylcyclopentasiloxane (D5) (EC 208-764-9 , CAS 541-02-6 ) , Dodecamethylcyclohexasiloxane (D6) (EC 208-762-8, CAS 540-97-6), Octamethylcyclotetrasiloxane (D4) (EC 209-136-7, CAS 556-67-2)

Contains no REACH Annex XIV substances

#### 15.1.2. National regulations

TSCA

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

Full text of H- and EUH-statements:

Aquatic Chronic 4	Hazardous to the aquatic environment — Chronic Hazard, Category 4
Repr. 2	Reproductive toxicity, Category 2
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
H314	Causes severe skin burns and eye damage.
H361f	Suspected of damaging fertility.
H413	May cause long lasting harmful effects to aquatic life.
EUH210	Safety data sheet available on request.

MSDS Reach Annex II DL-Chem

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product