

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

#### 1.1. Product identifier

Product form : Mixture  
Trade name : Parasilico VP

#### 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 : EUH208 - Contains 3-(2-aminoethylamino)propyltrimethoxysilane, 3-aminopropyltriethoxysilane. May produce an allergic reaction.  
EUH210 - Safety data sheet available on request.

#### 2.3. Other hazards

Contains PBT/vPvB substances  $\geq$  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]
Benzene, C14-30-alkyl derivs	(CAS-No.) 68855-24-3 (EC-No.) 272-472-8	2,5 - 5	Aquatic Chronic 4, H413
vinyltrimethoxysilane	(CAS-No.) 2768-02-7 (EC-No.) 220-449-8 (REACH-no) 01-2119513215-52	2,5 - 5	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 STOT RE 2, H373

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

REACT.PR.PDMS/N-(3-(TRIMETHOXYISILYL)PROPYL)CYCLOHEXANAMINE	(CAS-No.) 119299-06-8	< 2,5	Skin Irrit. 2, H315 Eye Dam. 1, H318
Dodecamethylcyclohexasiloxaan substance listed as REACH Candidate (Dodecamethylcyclohexasiloxane (D6)) PBT substance vPvB substance	(CAS-No.) 540-97-6 (EC-No.) 208-762-8	0,1 - 1	Not classified

Specific concentration limits:

Name	Product identifier	Specific concentration limits
REACT.PR.PDMS/N-(3-(TRIMETHOXYISILYL)PROPYL)CYCLOHEXANAMINE	(CAS-No.) 119299-06-8	(C >= 1,97) Eye Dam. 1, H318 (C >= 1,97) Eye Irrit. 2, H319

Full text of H-statements: see section 16

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- First-aid measures after inhalation : Move to fresh air.  
First-aid measures after skin contact : Wash skin with mild soap and water.  
First-aid measures after eye contact : If eye irritation persists: Get medical advice/attention. Rinse immediately with plenty of water.  
First-aid measures after ingestion : Rinse mouth.

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

- Symptoms/effects after inhalation : Not expected to present a significant inhalation hazard under anticipated conditions of normal use.  
Symptoms/effects after skin contact : Not expected to present a significant skin hazard under anticipated conditions of normal use.  
Symptoms/effects after eye contact : Not expected to present a significant eye contact hazard under anticipated conditions of normal use.  
Symptoms/effects after ingestion : Not expected to present a significant ingestion hazard under anticipated conditions of normal use.

#### 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.

#### 5.2. Special hazards arising from the substance or mixture

- Fire hazard : No fire hazard.

#### 5.3. Advice for firefighters

- Precautionary measures fire : Do not breathe fumes from fires or vapours from decomposition. Evacuate unnecessary personnel. Exercise caution when fighting any chemical fire.  
Firefighting instructions : Cool down the containers exposed to heat with a water spray.  
Protection during firefighting : Wear a self contained breathing apparatus.  
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 : Spills of this product present a serious slipping hazard.

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

- Emergency procedures : Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

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

#### 6.2. Environmental precautions

Avoid release to the environment.

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

- Methods for cleaning up : Cover spill with non combustible material, e.g.: sand, earth, vermiculite. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal.

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### 6.4. Reference to other sections

No additional information available

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes.  
Hygiene measures : Handle in accordance with good industrial hygiene and safety procedures. Take off immediately all contaminated clothing and wash it before reuse. Do not eat, drink or smoke when using this product.

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

Storage conditions : Store tightly closed in a dry and cool place.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Personal protective equipment:

Gloves. Safety glasses.

Hand protection:

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 374

Eye protection:

Type	Use	Characteristics	Standard
Safety glasses		With side shields	EN 166

Skin and body protection:

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

Respiratory protection:

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



Consumer exposure controls:

Avoid contact with skin and eyes.

Other information:

Handle in accordance with good industrial hygiene and safety procedures. 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

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Appearance	: Pasty.
Colour	: According to product specification.
Odour	: characteristic.
Density	: 1,33 g/ml
Solubility	: Water: Insoluble

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

None under normal use.

### 10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.

### 10.3. Possibility of hazardous reactions

None under normal use.

### 10.4. Conditions to avoid

None under normal use.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Additional hazards when processed. release of (highly) toxic gases/vapours. Methanol.

## 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

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

Benzene, C14-30-alkyl derivs (68855-24-3)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 3000 mg/kg

vinyltrimethoxysilane (2768-02-7)	
LD50 oral rat	7120 mg/kg
LD50 dermal rabbit	3540 mg/kg
LC50 inhalation rat (mg/l)	16,79 mg/l/4h
LC50 inhalation rat (ppm)	2773 ppm/4h (OECD 403 method)
LC50 inhalation rat (Dust/Mist - mg/l/4h)	16,8 mg/l/4h

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

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

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vinyltrimethoxysilane (2768-02-7)	
LOAEL (oral, rat, 90 days)	10 - 100 mg/kg bodyweight/day

Aspiration hazard : Not classified

### SECTION 12: Ecological information

#### 12.1. Toxicity

Acute aquatic toxicity : Not classified

Chronic aquatic toxicity : Not classified

Dodecamethylcyclohexasiloxaan (540-97-6)	
EC50 other aquatic organisms 1	> 420 mg/l
EC50 72h algae (1)	0,002 mg/l OECD 201
NOEC chronic fish	4,4 µg/l Pimephales promelas
NOEC chronic crustacea	0,0046 mg/l
NOEC chronic algae	>= 0,002 mg/l

vinyltrimethoxysilane (2768-02-7)	
LC50 fish 1	191 mg/l
EC50 Daphnia 1	168,7 mg/l
EC50 72h algae (1)	> 957 mg/l
ErC50 (algae)	> 100 mg/l (OECD 201 method)
NOEC chronic fish	>= 100 mg/l
NOEC chronic crustacea	28 mg/l
NOEC chronic algae	957 mg/l

#### 12.2. Persistence and degradability

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

#### 12.3. Bioaccumulative potential

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

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Results of PBT and vPvB assessment

Component	
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

#### 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.

### 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(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	Benzene, C14-30-alkyl derivs
40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.	vinyltrimethoxysilane
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	vinyltrimethoxysilane
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	Benzene, C14-30-alkyl derivs - vinyltrimethoxysilane
3(a) 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 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F	vinyltrimethoxysilane

Contains a substance on the REACH candidate list in concentration 0.1% or with a lower specific limit:  
Dodecamethylcyclohexasiloxane (D6) (EC 208-762-8, CAS 540-97-6)

Contains no REACH Annex XIV substances

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

Full text of H- and EUH-statements:

Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Aquatic Chronic 4	Hazardous to the aquatic environment — Chronic Hazard, Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Flam. Liq. 3	Flammable liquids, Category 3
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
H226	Flammable liquid and vapour.
H315	Causes skin irritation.

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H318	Causes serious eye damage.
H332	Harmful if inhaled.
H373	May cause damage to organs through prolonged or repeated exposure.
H413	May cause long lasting harmful effects to aquatic life.
EUH208	Contains 3-(2-aminoethylamino)propyltrimethoxysilane, 3-aminopropyltriethoxysilane. May produce an allergic reaction.
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