

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

1.1. Product identifier

Product form : Mixture
Trade name : Parasilico San E

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 - 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 4,5-dichloro-2-octyl-4-isothiazolin-3-one. May produce an allergic reaction.
EUH210 - Safety data sheet available on request.

2.3. Other hazards

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]
Distillates (petroleum), hydrotreated middle; Gasoil—unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C25 and boiling in the range of approximately; 205°C to 400°C (401 °F to 752 °F).] (Note N)	(CAS-No.) 64742-46-7 (EC-No.) 265-148-2 (EC Index-No.) 649-221-00-X (REACH-no) 01-2119552497-29	5 - 25	Asp. Tox. 1, H304

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Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Ethyltriacetoxysilaan	(CAS-No.) 17689-77-9 (EC-No.) 241-677-4 (REACH-no) 01-2119881778-15	< 5	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318
Oligomere ethyl- en methylacetoxysilanen		< 2,5	Skin Corr. 1B, H314 Eye Dam. 1, H318
Dodecamethylcyclohexasiloxaan substance listed as REACH Candidate (Dodecamethylcyclohexasiloxane (D6)) non-classified PBT substance non-classified 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
Ethyltriacetoxysilaan	(CAS-No.) 17689-77-9 (EC-No.) 241-677-4 (REACH-no) 01-2119881778-15	(C >= 5) Skin Corr. 1B, H314 (C >= 5) Eye Dam. 1, H318

Note N : The classification as a carcinogen need not apply if the full refining history is known and it can be shown that the substance from which it is produced is not a carcinogen. This note applies only to certain complex oil-derived substances in Part 3.

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 : No significant signs or symptoms indicative of any health hazard are expected to occur since this product is not respirable.
- 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. Get medical advice if skin irritation persists.
- First-aid measures after eye contact : Rinse immediately with water. If eye irritation persists, consult a specialist.
- First-aid measures after ingestion : Give 2-3 glasses of water to drink. Do NOT induce vomiting.

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 : Dry chemical, CO₂, or water spray or regular foam. Sand. Carbon dioxide.
- Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Acetic acid.
- Hazardous decomposition products in case of fire : Carbon monoxide. Carbon dioxide. Silicon oxide. Hazardous combustion products. Hydrocarbons.

5.3. Advice for firefighters

- Precautionary measures fire : Evacuate unnecessary personnel.
- Protection during firefighting : Compressed air/oxygen apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Avoid contact with skin and eyes. Do not inhale vapour. Personal protections equipments. Spill area may be slippery.

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

- Protective equipment : Wear recommended personal protective equipment.

6.2. Environmental precautions

Avoid undiluted product to come into sewer or superficial water. Contain the spilled material by bunding.

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6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Absorb remaining liquid with sand or inert absorbent and remove to safe place. Clean up any spills as soon as possible, using an absorbent material to collect it.

Other information : Remove all sources of ignition.

6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Ensure adequate ventilation.

Precautions for safe handling : Handling this product may result in electrostatic accumulation. Use proper grounding procedures. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Provide adequate ventilation. Store in a clean, dry, fire resistant area.

Storage area : Protect from moisture. Keep container tightly closed in a cool place. Keep container in well ventilated place.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Distillates (petroleum), hydrotreated middle; Gasoil— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C25 and boiling in the range of approximately; 205°C to 400°C (401 °F to 752 °F).] (64742-46-7)

EU	IOELV TWA (mg/m ³)	600 mg/m ³
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8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Materials for protective clothing:

Protective clothing

Hand protection:

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Reusable gloves	Butyl rubber	6 (> 480 minutes)	>0.3mm		EN 374
Disposable gloves	Nitrile rubber (NBR)	3 (> 60 minutes)	>0.1 mm		EN 374

Eye protection:

tightly fitting safety goggles

Type	Use	Characteristics	Standard
Safety glasses		With side shields	EN 166

Skin and body protection:

Protective clothing (with elasticated cuffs and closed neck)

Respiratory protection:

Device	Filter type	Condition	Standard
Gas mask	ABEK		EN 136, EN 14387

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Environmental exposure controls:

Do not allow to enter drains or water courses.

Other information:

Avoid contact with skin and eyes. Do not eat, drink or smoke during use. Do not breathe vapours.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Pasty.
Colour	: According to product specification.
Odour	: Pungent, irritating.
Auto-ignition temperature	: 400 °C DIN 51794
Density	: 1,01 g/cm ³ @23°C ISO 1183-1 A
Relative gas density	: 1,01 @23°C ISO 1183-1 A
Solubility	: Reacts with water. Hydrofluoric acid. Water: practically insoluble
Viscosity, dynamic	: 800000 mPa.s

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

No dangerous reactions known.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

Moisture. Open flame. Heat. Sources of ignition.

10.5. Incompatible materials

Avoid contact of substance with water.

10.6. Hazardous decomposition products

Acetic acid.

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

Parasilico San E	
LD50 oral rat	> 2000 mg/kg By analogy
LD50 dermal rat	> mg/kg
LD50 dermal rabbit	> 2009 mg/kg By analogy
Ethyltriacetoxysilaan (17689-77-9)	
LD50 oral rat	380 mg/kg

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LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 inhalation rat (Vapours - mg/l/4h)	> 5000 mg/l/4h

Dodecamethylcyclohexasiloxaan (540-97-6)

LD50 oral rat	2000 mg/kg
LD50 dermal rat	2000 mg/kg

Skin corrosion/irritation : No data available, however by analogy, this product is not considered to be irritating to the skin. (Based on available data, the classification criteria are not met)

pH: Not required

Serious eye damage/irritation : Not classified (Based on available data, the classification criteria are not met)

pH: Not required

Additional information : (OECD 437 method)

Respiratory or skin sensitisation : No sensitizing reaction was observed for guinea pigs

Germ cell mutagenicity : Not classified (Lack of data)

Carcinogenicity : Not classified (Lack of data)

Reproductive toxicity : Not classified (Lack of data)

STOT-single exposure : Not classified

STOT-repeated exposure : Not classified

Distillates (petroleum), hydrotreated middle; Gasoil— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C25 and boiling in the range of approximately; 205°C to 400°C (401 °F to 752 °F).] (64742-46-7)

NOAEL (oral, rat, 90 days)	>= 5000 mg/kg bodyweight/day
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Dodecamethylcyclohexasiloxaan (540-97-6)

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

Aspiration hazard : Not classified (Based on available data, the classification criteria are not met)

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Viscosity, kinematic	792079,208 mm ² /s
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SECTION 12: Ecological information

12.1. Toxicity

Acute aquatic toxicity : Not classified

Chronic aquatic toxicity : Not classified

Parasilico San E

LC50 fish 1	10 - 100 mg/l Not harmful to fish
EC50 Daphnia 1	10 - 100 mg/l DCOIT
NOEC (chronic)	> 1 mg/l DCOIT
NOEC chronic fish	> 1 mg/l DCOIT

Ethyltriacetoxysilaan (17689-77-9)

LC50 fish 1	251 mg/l (OECD 203 method)
EC50 Daphnia 1	62 mg/l (OECD 202 method)
EC50 72h algae (1)	> 100 mg/l (OECD 209 method)

Distillates (petroleum), hydrotreated middle; Gasoil— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C25 and boiling in the range of approximately; 205°C to 400°C (401 °F to 752 °F).] (64742-46-7)

LC50 fish 1	> 87556 mg/l
EC50 Daphnia 1	> 1000 mg/l

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EC50 72h algae (1)	> 1000 mg/l
ErC50 (other aquatic plants)	> 100 mg/l
NOEC chronic fish	> 1000 mg/l 28 days
NOEC chronic crustacea	5 mg/l 21 days

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

12.2. Persistence and degradability

Parasilico San E	
Persistence and degradability	The product is not biodegradable.
Distillates (petroleum), hydrotreated middle; Gasoil— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C11 through C25 and boiling in the range of approximately; 205°C to 400°C (401 °F to 752 °F).] (64742-46-7)	
Persistence and degradability	Readily biodegradable.
Biodegradation	74 % (OECD 306 method)

12.3. Bioaccumulative potential

Parasilico San E	
Bioaccumulative potential	Not potentially bioaccumulable.
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.
Waste treatment methods : Empty the packaging completely prior to disposal. Must follow special treatment according to local regulation.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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ADR	IMDG	IATA	ADN	RID
No supplementary information available				

14.6. Special precautions for user

- Overland transport
Not applicable
- Transport by sea
Not applicable
- Air transport
Not applicable
- Inland waterway transport
Not applicable
- Rail transport
Not applicable

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

Contains no REACH substances with Annex XVII restrictions

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 (Oral)	Acute toxicity (oral), Category 4
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
EUH208	Contains 4,5-dichloro-2-octyl-4-isothiazolin-3-one. 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