

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

1.1. Product identifier

Product form : Mixture
 Trade name : Parasilico Premium

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 Methyl tris-(methyl ethyl ketoximo) silane, 3-aminopropyltriethoxysilane, Tetrakis(methylethylketoximino)silane. 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]
Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, <2% aromatics	(CAS-No.) 64742-88-7 (EC-No.) 919-029-3 (REACH-no) 01-2119457735-29	5 - 10	Asp. Tox. 1, H304

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Methyl tris-(methyl ethyl ketoximo) silane	(CAS-No.) 22984-54-9 (EC-No.) 245-366-4 (REACH-no) 01-2119987100-43	1 - 5	Eye Irrit. 2, H319 Skin Sens. 1, H317 STOT RE 2, H373
2-Pentanone, O,O',O''-(methylsilyldiylne)trioxime	(CAS-No.) 37859-55-5 (EC Index-No.) 484-460-1 (REACH-no) 01-2120004323-76	0,1 - 2,5	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 STOT RE 2, H373 Aquatic Chronic 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 - 1	Not classified

Specific concentration limits:

Name	Product identifier	Specific concentration limits
Methyl tris-(methyl ethyl ketoximo) silane	(CAS-No.) 22984-54-9 (EC-No.) 245-366-4 (REACH-no) 01-2119987100-43	(3,755 =<C < 100) Skin Sens. 1, H317

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	: Rinse immediately with plenty of water. If eye irritation persists, consult a specialist.
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	: Direct contact with the eyes is likely slightly irritating.
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.
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5.2. Special hazards arising from the substance or mixture

Fire hazard	: Not flammable.
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5.3. Advice for firefighters

Precautionary measures fire	: Exercise caution when fighting any chemical fire. Evacuate unnecessary personnel. Do not breathe fumes from fires or vapours from decomposition.
Firefighting instructions	: Cool down the containers exposed to heat with a water spray.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
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.
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6.1.1. For non-emergency personnel

Emergency procedures	: Evacuate unnecessary personnel.
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6.1.2. For emergency responders

Protective equipment	: Wear recommended personal protective equipment.
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6.2. Environmental precautions

Avoid release to the environment.

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6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.
Methods for cleaning up : Clean up any spills as soon as possible, using an absorbent material to collect it. Sweep or shovel spills into appropriate container for disposal.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Avoid all unnecessary exposure.
Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a dry, cool and well-ventilated 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. Emergency eye wash fountains should be available in the immediate vicinity of any potential exposure.

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

Respiratory protection:

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



Environmental exposure controls:

Do not allow to enter drains or water courses.

Consumer exposure controls:

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Avoid contact with skin and eyes.

Other information:

Do not eat, drink or smoke during use. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Take off immediately all contaminated clothing. Wash contaminated clothing before reuse.

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	: characteristic.
Odour threshold	: No data available
pH	: No data available
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	: No data available
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 g/cm ³
Solubility	: Water: Insoluble
Log Pow	: No data available
Viscosity, kinematic	: No data available
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.

10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

No hazardous decomposition products known at room temperature.

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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

Methyl tris-(methyl ethyl ketoximo) silane (22984-54-9)	
LD50 oral rat	2463 mg/kg (OECD 401 method)
LD50 dermal rat	> 2000 mg/kg (OECD 402 method)

Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, <2% aromatics (64742-88-7)	
LD50 oral rat	5000 mg/kg (OECD 401 method)
LD50 dermal rabbit	3160 mg/kg (OECD 402 method)

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

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

Methyl tris-(methyl ethyl ketoximo) silane (22984-54-9)	
NOAEL (animal/male, F0/P)	>= 250 mg/kg (OECD 422 method)
NOAEL (animal/female, F0/P)	>= 250 mg/kg (OECD 422 method)

Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, <2% aromatics (64742-88-7)	
NOAEL (animal/male, F0/P)	> 1000 mg/kg (OECD 415 method)
NOAEL (animal/male, F1)	> 1000 mg/kg (OECD 414 method)

STOT-single exposure : Not classified
 STOT-repeated exposure : Not classified

Methyl tris-(methyl ethyl ketoximo) silane (22984-54-9)	
LOAEL (oral, rat, 90 days)	50 mg/kg bodyweight/day
NOAEL (subacute, oral, animal/male, 28 days)	10 mg/kg bodyweight (OECD 422 method)

Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, <2% aromatics (64742-88-7)	
NOAEL (oral, rat, 90 days)	> 5000 mg/kg bodyweight/day (OECD 408 method)

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

SECTION 12: Ecological information

12.1. Toxicity

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

Methyl tris-(methyl ethyl ketoximo) silane (22984-54-9)	
LC50 fish 1	> 120 mg/l Oncorhynchus mykiss (Rainbow trout)
LC50 fish 2	972,34 mg/l (OECD 203 method)
EC50 Daphnia 1	231,84 mg/l (OECD 202 method)
EC50 72h algae (1)	18,45 mg/l (OECD 201 method)
ErC50 (algae)	72h 94 mg/l Pseudokirchneriella subcapitata
NOEC (acute)	57,67 mg/l (OECD 204 method)
NOEC (chronic)	>= 115,34 mg/l (OECD 211 method)

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Methyl tris-(methyl ethyl ketoximo) silane (22984-54-9)	
NOEC chronic fish	57,67 mg/l
Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, <2% aromatics (64742-88-7)	
LC50 fish 1	> 1028 mg/l (OECD 203 method)
EC50 Daphnia 1	> 3000 mg/l
EC50 72h algae (1)	> 10000 mg/l
NOEC chronic fish	> 1000 mg/l
NOEC chronic crustacea	1000 mg/l

12.2. Persistence and degradability

Methyl tris-(methyl ethyl ketoximo) silane (22984-54-9)	
Biodegradation	28d 0 % (OECD 301A method)
Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, <2% aromatics (64742-88-7)	
Persistence and degradability	Readily biodegradable.
Biodegradation	74 % (OECD 306 method)
Dodecamethylcyclhexasiloxaan (540-97-6)	
Persistence and degradability	Not readily biodegradable.
Biodegradation	4,5 % (OECD 310 method)

12.3. Bioaccumulative potential

Methyl tris-(methyl ethyl ketoximo) silane (22984-54-9)	
Log Pow	9,83
2-Pentanone, O,O',O''-(methylsilyldyne)trioxime (37859-55-5)	
Log Pow	1,25
Dodecamethylcyclhexasiloxaan (540-97-6)	
Log Pow	8,87
Log Kow	8

12.4. Mobility in soil

Methyl tris-(methyl ethyl ketoximo) silane (22984-54-9)	
Log Koc	5,481 EPA (Environmental Protection Agency)
2-Pentanone, O,O',O''-(methylsilyldyne)trioxime (37859-55-5)	
Surface tension	69,5 mN/m
Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, <2% aromatics (64742-88-7)	
Surface tension	28 mN/m at 25 °C

12.5. Results of PBT and vPvB assessment

Component	
Methyl tris-(methyl ethyl ketoximo) silane (22984-54-9)	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
Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, <2% aromatics (64742-88-7)	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
Dodecamethylcyclhexasiloxaan (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	: Reprocess or burn in an approved incinerator.
Product/Packaging disposal recommendations	: Empty the packaging completely prior to disposal. Empty containers should be taken for recycling, recovery or waste in accordance with local regulation.
European List of Waste (LoW) code	: 08 04 10 - waste adhesives and sealants other than those mentioned in 08 04 09

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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
14.4. Packing group
Not applicable
14.5. Environmental hazards
Not applicable
No supplementary information available

14.6. Special precautions for user

- Overland 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

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:	
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	2-Pentanone, O,O',O''-(methylsilyldiyl)trioxime - Methyl tris-(methyl ethyl ketoximo) silane - Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, <2% aromatics
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	2-Pentanone, O,O',O''-(methylsilyldiyl)trioxime - Methyl tris-(methyl ethyl ketoximo) silane - Hydrocarbons, C16-C20, n-alkanes, isoalkanes, cyclics, <2% aromatics

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
Aquatic Chronic Not classified	Hazardous to the aquatic environment - Chronic Hazard Not classified
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.

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H319	Causes serious eye irritation.
H373	May cause damage to organs through prolonged or repeated exposure.
EUH208	Contains Methyl tris-(methyl ethyl ketoximo) silane, 3-aminopropyltriethoxysilane, Tetrakis(methylethylketoximino)silane. 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