

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

### 1.1. Product identifier

Product form : Mixture  
Trade name : Forsaseal GP

### 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

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

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

Not classified

### 2.2. Label elements

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

EUH phrases : EUH210 - Safety data sheet available on request  
EUH208 - Contains 4,5-dichloro-2-octyl-4-isothiazolin-3-one. May produce an allergic reaction

### 2.3. Other hazards

No additional information available

## SECTION 3: Composition/information on ingredients

### 3.1. Substance

Not applicable

### 3.2. Mixture

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).]	(CAS No) 64742-46-7 (EC no) 265-148-2 (EC index no) 649-221-00-X (REACH-no) 01-2119552497-29	> 20 - < 30	Asp. Tox. 1, H304
Ethyltriacetoxysilaan	(CAS No) 17689-77-9 (EC no) 241-677-4 (REACH-no) 01-2119881778-15	< 2,0	Acute Tox. 4 (Oral), H302 Skin Corr. 1B, H314 Eye Dam. 1, H318
Oligomere ethyl- en methylacetoxysilanen		< 2,0	Skin Corr. 1B, H314 Eye Dam. 1, H318

Full text of H-phrases: see section 16

# Forsaseal GP

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

- First-aid measures after inhalation : Not expected to present a significant inhalation hazard under anticipated conditions of normal use.
- First-aid measures after skin contact : Wash immediately with plenty of water. If skin irritation persists, take medical advice.
- First-aid measures after eye contact : Rinse immediately with water. If eye irritation persists, consult a specialist.
- First-aid measures after ingestion : Do not induce vomiting. Give water to drink if victim completely conscious/alert.

#### 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 : Water spray. extinguishing powder. Carbon dioxide. Sand. Alcohol resistant foam.
- Unsuitable extinguishing media : Strong water jet.

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

Hazardous decomposition products in case of fire : acetic acid.

#### 5.3. Advice for firefighters

- Protection during firefighting : Wear a self contained breathing apparatus.

### SECTION 6: Accidental release measures

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

- General measures : Do not inhale vapour. Equip cleanup crew with proper protection. Avoid contact with skin and eyes.

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

No additional information available

##### 6.1.2. For emergency responders

No additional information available

#### 6.2. Environmental precautions

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

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

- 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. Dispose of contaminated materials in accordance with current regulations. Clean with detergents. Avoid solvent cleaners. Do not flush with water.

- 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 disposal of contaminated materials refer to section 13 : "Disposal considerations".

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

- Additional hazards when processed : Take precautionary measures against static discharge. Keep away from sources of ignition - No smoking. Cool down the containers exposed to heat with a water spray. Vapours may form explosive mixture with air.
- Precautions for safe handling : Ensure good ventilation of the work station.

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

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

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

No additional information available

# Forsaseal GP

## Safety Data Sheet

according to Regulation (EC) No. 453/2010

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

Forsaseal GP		
EU	IOELV TWA (mg/m <sup>3</sup> )	25 mg/m <sup>3</sup> Acetic acid (CAS 64-19-7)
EU	IOELV TWA (ppm)	10 ppm Acetic acid (CAS 64-19-7)
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 <sup>3</sup> )	600 mg/m <sup>3</sup>

#### 8.2. Exposure controls

Personal protective equipment : Gloves. Safety glasses.

Hand protection :

Type	Material	Permeation	Thickness (mm)	Penetration	Standard
Disposable gloves	Butyl rubber	6 (> 480 minutes)	> 0,3		EN 374
	Nitrile rubber	3 (> 60 minutes)	> 0,1		EN 374

Eye protection :

Type	Use	Characteristics	Standard
Safety glasses		With side shields	EN 166

Skin and body protection : Wear suitable protective clothing

Respiratory protection :

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



Other information : Avoid contact with skin and eyes. Do not eat, drink or smoke when using this product. 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	: irritating/pungent odour.
pH	: Not applicable
Melting point	: Not applicable
Boiling point	: Not applicable
Flash point	: Not applicable
Flammability (solid, gas)	: 400 °C
Vapour pressure	: Not applicable
Density	: 0,98 - 1,05 g/cm <sup>3</sup> at 25 °C
Solubility	: Water: practically insoluble
Viscosity, dynamic	: ca. 800000 mPa.s
Explosive limits	: @ pH 9.2 4 - 17 vol % Acetic acid

#### 9.2. Other information

No additional information available

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## Safety Data Sheet

according to Regulation (EC) No. 453/2010

### 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.

#### 10.5. Incompatible materials

Reacts with : Water. Bases. alcohols. Release of: Acetic acid.

#### 10.6. Hazardous decomposition products

Hydrolysis. Release of irritating vapours. Acetic acid.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity : Not classified

Forsaseal GP	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2009 mg/kg
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)	
LD50 oral rat	> 5000 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 inhalation rat (Vapours - mg/l/4h)	> 5000 mg/l/4h

Skin corrosion/irritation : Not classified.

pH: Not applicable

Serious eye damage/irritation : Not irritating to eyes

pH: Not applicable

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

Other information : Hydrolysis. acetic acid. May cause irritation to the respiratory tract and to other mucous membranes.

### SECTION 12: Ecological information

#### 12.1. Toxicity

Forsaseal GP	
LC50 fish 1	10 - 100 mg/l
EC50 Daphnia 1	10 - 100
ErC50 (algae)	10 - 100 mg/l
NOEC chronic fish	> 1 mg/l Oncorhynchus mykiss
NOEC chronic crustacea	> 1 mg/l Daphnia magna
NOEC chronic algae	> 1 mg/l Navicula pelliculosa

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LC50 fish 1	> 87556 mg/l
EC50 Daphnia 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

### 12.2. Persistence and degradability

#### Forsaseal GP

Persistence and degradability	The product is not biodegradable. Hydrolysis in water. Contains non readily biodegradable component(s).
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### 12.3. Bioaccumulative potential

#### Forsaseal GP

Bioaccumulative potential	Bioaccumulation unlikely.
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### 12.4. Mobility in soil

#### Forsaseal GP

Mobility in soil	Polymer: Insoluble in water
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### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods	: Empty the packaging completely prior to disposal. Empty containers should be taken for recycling, recovery or waste in accordance with local regulation.
Waste disposal recommendations	: Reprocess or burn in an approved incinerator.

## SECTION 14: Transport information

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

### ADR

#### 14.1. UN number

Not regulated for transport

#### 14.2. UN proper shipping name

Not applicable

#### 14.3. Transport hazard class(es)

Not applicable

Not applicable

#### 14.4. Packing group

Not applicable

#### 14.5. Environmental hazards

Dangerous for the environment : No

No supplementary information available

### 14.6. Special precautions for user

#### - Overland transport

Transport regulations (ADR) : No dangerous good in sense of transport regulations.

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

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according to Regulation (EC) No. 453/2010

### 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 substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Other information, restriction and prohibition regulations : Ensure all national/local regulations are observed.

##### 15.1.2. National regulations

EINECS/ELINCS

IECSC

AICS

PICCS

TSCA

Not listed on the Korean ECL (Existing Chemicals List)

#### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

### SECTION 16: Other information

Full text of H- and EUH-phrases:

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 . 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