

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



**Trade name :** FACADE5primer  
**Revision date :** 08-03-2018  
**Print date :** 22-03-2018

**Version :** 1.0.0

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

### 1.1 Product identifier

FACADE5primer (5425027113055)

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

#### Relevant identified uses

Coatings and paints, thinners, paint removers

#### Product Categories [PC]

PC9a - Coatings and paints, thinners, paint removers

#### Sector of uses [SU]

SU3 - Industrial uses: Uses of substances as such or in preparations at industrial sites

SU10 - Formulation [mixing] of preparations and/or re-packaging (excluding alloys)

SU22 - Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

#### Article categories [AC]

SEE TECHNICAL DATA SHEET

AC1 - Vehicles

AC2 - Machinery, mechanical appliances, electrical/electronic articles

AC4 - Stone, plaster, cement, glass and ceramic articles

AC5 - Fabrics, textiles and apparel

AC6 - Leather articles

AC7 - Metal articles

AC8 - Paper articles

AC10 - Rubber articles

AC11 - Wood articles

AC13 - Plastic articles

#### Process categories [PROC]

PROC1 - Use in closed process, no likelihood of exposure

PROC2 - Use in closed, continuous process with occasional controlled exposure

PROC3 - Use in closed batch process (synthesis or formulation)

PROC4 - Use in batch and other process (synthesis) where opportunity for exposure arises

PROC5 - Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)

PROC7 - Industrial spraying

PROC8a - Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities

PROC8b - Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities

PROC9 - Transfer of substance or preparation into small containers (dedicated filling line, including weighing)

PROC10 - Roller application or brushing

PROC11 - Non industrial spraying

PROC13 - Treatment of articles by dipping and pouring

PROC15 - Use as laboratory reagent

PROC19 - Hand-mixing with intimate contact and only PPE available

PROC21 - Low energy manipulation of substances bound in materials and/or articles

PROC24 - High (mechanical) energy work-up of substances bound in materials and/or articles

PROC25 - Other hot work operations with metals

#### Environmental release categories [ERC]

ERC2 - Formulation of preparations (mixtures)

ERC4 - Industrial use of processing aids in processes and products, not becoming part of articles

ERC5 - Industrial use resulting in inclusion into or onto a matrix

ERC8a - Wide dispersive indoor use of processing aids in open systems

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ERC8c - Wide dispersive indoor use resulting in inclusion into or onto a matrix  
ERC8d - Wide dispersive outdoor use of processing aids in open systems  
ERC8f - Wide dispersive outdoor use resulting in inclusion into or onto a matrix

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

### Supplier (manufacturer/importer/only representative/downstream user/distributor)

LIQUISOL

Street : NOORDERLAAN 147B9

Postal code/city : 2030 ANTWERPEN

Telephone : +32 3 256 01 72

Information contact : Tom Huysmans ( T: +32/3256 01 72 E: verf@liquisol.com)

## 1.4 Emergency telephone number

Tom Huysmans ( T: +32/3256 01 72 E: verf@liquisol.com)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

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

Aquatic Chronic 3 ; H412 - Hazardous to the aquatic environment : Chronic 3 ; Harmful to aquatic life with long lasting effects.

### 2.2 Label elements

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

##### Hazard statements

H412 Harmful to aquatic life with long lasting effects.

##### Precautionary statements

P273 Avoid release to the environment.

### 2.3 Other hazards

None

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous ingredients

BUTYL CELLOSOLVE ; REACH registration No. : 01-2119475108-36 ; EC No. : 203-905-0; CAS No. : 111-76-2

Weight fraction :  $\geq 2,5 - < 10 \%$

Classification 1272/2008 [CLP] : Acute Tox. 4 ; H302 Acute Tox. 4 ; H312 Acute Tox. 4 ; H332 Skin Irrit. 2 ; H315 Eye Irrit. 2 ; H319

TRIZINC BIS(ORTHOPHOSPHATE) ; REACH registration No. : 01-2119485044-40 ; EC No. : 231-944-3; CAS No. : 7779-90-0

Weight fraction :  $< 2,5 \%$

Classification 1272/2008 [CLP] : Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410

ZINC OXIDE ; REACH registration No. : 01-2119463881-32 ; EC No. : 215-222-5; CAS No. : 1314-13-2

Weight fraction :  $< 2,5 \%$

Classification 1272/2008 [CLP] : Aquatic Acute 1 ; H400 Aquatic Chronic 1 ; H410

TRIETHYLAMINE ; REACH registration No. : 01-2119475467-26 ; EC No. : 204-469-4; CAS No. : 121-44-8

Weight fraction :  $< 1 \%$

Classification 1272/2008 [CLP] : Flam. Liq. 2 ; H225 Acute Tox. 3 ; H311 Acute Tox. 3 ; H331 Skin Corr. 1A ; H314 Eye Dam. 1 ; H318 Acute Tox. 4 ; H302 STOT SE 3 ; H335

#### Additional information

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Full text of H- and EUH-phrases: see section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

#### Following inhalation

Remove casualty to fresh air and keep warm and at rest. Consult a doctor immediately in the case of inhaling spray mist and show him packing or label.

#### In case of skin contact

Remove contaminated, saturated clothing immediately. After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, consult a physician.

#### After eye contact

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

#### After ingestion

Do NOT induce vomiting. Call a physician in any case!

#### Self-protection of the first aider

First aider: Pay attention to self-protection!

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

#### Symptoms

36/37 - Irritating to eyes and respiratory system. 20/21/22 - Harmful by inhalation, in contact with skin and if swallowed. Headache Dizziness Vomiting

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

None

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Foam Carbon dioxide (CO<sub>2</sub>) Extinguishing powder Water spray jet

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

Nitrogen oxides (NO<sub>x</sub>) Carbon monoxide Burning produces heavy smoke. Hazardous combustion products

### 5.3 Advice for firefighters

Use water spray jet to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Do not inhale explosion and combustion gases.

## SECTION 6: Accidental release measures

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

Remove all sources of ignition. Avoid direct skin contact with product. Identify potential areas for indirect skin contact. Wear gloves (tested to EN374) if hand contact with substance likely. Clean up contamination/spills as soon as they occur. Wash off any skin contamination immediately. Provide basic employee training to prevent/minimise exposures and to report any skin problems that may develop. Use personal protection equipment.

### 6.2 Environmental precautions

Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities. Do not allow to enter into soil/subsoil.

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

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Sawdust Take up mechanically, placing in appropriate containers for disposal.

## 6.4 Reference to other sections

Safe handling: see section 7 Disposal: see section 13 Personal protection equipment: see section 8

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

Wear personal protection equipment (refer to section 8). Use only in well-ventilated areas. Take precautionary measures against static discharges. Wear anti-static footwear and clothing Handling Precautions against fire and explosion Vapours are heavier than air, spread along floors and form explosive mixtures with air. This material is combustible and can be ignited by heat, sparks, flames, or other sources of ignition (e.g. static electricity, pilot lights, or mechanical/electrical equipment). P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

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

#### Requirements for storage rooms and vessels

Protect against direct sunlight. 13 - Keep away from food, drink and animal feedingstuffs. Materials to avoid Strong acid Oxidising agent Keep only in the original container in a cool, well-ventilated place.

#### Hints on joint storage

**Storage class :** 12

**Storage class (TRGS 510) :** 12

#### Further information on storage conditions

**Storage temperature :** 6 months in original, unopened packaging. Please note : protected from frost and temperatures above 35 ° c. The paint is irreversibly damaged by frost!

### 7.3 Specific end use(s)

None

## SECTION 8: Exposure controls/personal protection



### 8.1 Control parameters

#### Occupational exposure limit values

BUTYL CELLOSOLVE ; CAS No. : 111-76-2

Limit value type (country of origin) : TRGS 900 ( D )

Limit value : 20 ppm / 98 mg/m<sup>3</sup>

Peak limitation : 4(II)

Remark : H,Y

Version : 04-11-2017

Limit value type (country of origin) : STEL ( EC )

Limit value : 50 ppm / 246 mg/m<sup>3</sup>

Remark : H

Version : 08-06-2000

Limit value type (country of origin) : TWA ( EC )

Limit value : 20 ppm / 98 mg/m<sup>3</sup>

Remark : H

Version : 08-06-2000

TRIETHYLAMINE ; CAS No. : 121-44-8

Limit value type (country of origin) : TRGS 900 ( D )

Limit value : 1 ppm / 4,2 mg/m<sup>3</sup>

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Peak limitation : 2(I)  
Remark : H  
Version : 04-11-2017  
Limit value type (country of origin) : STEL ( EC )  
Limit value : 3 ppm / 12,6 mg/m<sup>3</sup>  
Remark : H  
Version : 08-06-2000  
Limit value type (country of origin) : TWA ( EC )  
Limit value : 2 ppm / 8,4 mg/m<sup>3</sup>  
Remark : H  
Version : 08-06-2000

### Remark

Y: A risk of reproductive effects needs not to be feared if the occupational exposure limit value (AGW) and the biological limit value (BGW) is kept Z: A risk of reproductive effects cannot to be excluded if the occupational exposure limit value (AGW) and the biological limit value (BGW) is kept H: skin resorptive

### Biological limit values

Biological limit values

BUTYL CELLOSOLVE ; CAS No. : 111-76-2

Limit value type (country of origin) : TRGS 903 ( D )  
Parameter : Butoxy acetic acid / Urine (U) / At long term exposure: after several previous shifts  
Limit value : 100 mg/l  
Version : 31-03-2004

### DNEL/DMEL and PNEC values

DNEL/DMEL PNEC

#### DNEL/DMEL

Limit value type : DNEL worker (systemic) ( ZINC OXIDE ; CAS No. : 1314-13-2 )  
Exposure route : Inhalation  
Exposure frequency : Long-term  
Limit value : 5 mg/m<sup>3</sup>  
Limit value type : DNEL worker (systemic) ( ZINC OXIDE ; CAS No. : 1314-13-2 )  
Exposure route : Dermal  
Exposure frequency : Long-term  
Limit value : 87 mg/kg  
Safety factor : 24 h

#### PNEC

Limit value type : PNEC aquatic, freshwater ( ZINC OXIDE ; CAS No. : 1314-13-2 )  
Exposure route : Water (Including sewage plant)  
Exposure time : Long-term (continuous)  
Limit value : 20,6 µg/l  
Limit value type : PNEC aquatic, marine water ( ZINC OXIDE ; CAS No. : 1314-13-2 )  
Exposure route : Water (Including sewage plant)  
Exposure time : Long-term (continuous)  
Limit value : 6,1 µg/l  
Limit value type : PNEC sediment, freshwater ( ZINC OXIDE ; CAS No. : 1314-13-2 )  
Exposure route : Soil  
Exposure time : Long-term (continuous)  
Limit value : 117 mg/kg  
Limit value type : PNEC sediment, marine water ( ZINC OXIDE ; CAS No. : 1314-13-2 )  
Exposure route : Soil  
Exposure time : Long-term (continuous)  
Limit value : 56,5 mg/kg  
Limit value type : PNEC soil, freshwater ( ZINC OXIDE ; CAS No. : 1314-13-2 )  
Exposure route : Soil

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Exposure time : Long-term (continuous)  
Limit value : 35,6 mg/kg  
Limit value type : PNEC sewage treatment plant (STP) ( ZINC OXIDE ; CAS No. : 1314-13-2 )  
Exposure route : Water (Including sewage plant)  
Exposure time : Long-term (continuous)  
Limit value : 52 µg/l

## 8.2 Exposure controls

### Personal protection equipment

#### Eye/face protection

Chemical resistant safety shoes Wear anti-static footwear and clothing Wear eye glasses with side protection according to EN 166.

#### Skin protection

When handling with chemical substances, protective clothing with CE-labels including the four control digits must be worn.

#### Hand protection

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

##### Repeated or prolonged exposure:

Glove material: Natural rubber (latex), Nitrile, Neoprene , Glove thickness : (\*), Breakthrough time : > 480 min , Comments : EN 374 (\*) gehele laagdikte

##### Upon exposure by splashes:

Glove material: Natural rubber (latex), Nitrile, Neoprene , Glove thickness : > 0.45 mm , Breakthrough time : > 30 min , Comments : EN 374 Hand protection

#### Respiratory protection

P260 - Do not breathe dust/fume/gas/mist/vapours/spray. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Half-face mask or quarter facepiece: maximum use concentration for substances with exposure limits: P1 filter: up to a max. of 4 times the exposure limit. P2 filter: up to a max. of 10 times the exposure limit. P3 filter: up to a max. of 30 times the expo DIN-/EN-Norms (EN 529) Filtertypes: A and AX (Brown) // Class 1, 2 and 3

### General health and safety measures

13 - Keep away from food, drink and animal feedingstuffs. Remove contaminated, saturated clothing immediately. Precautions for safe handling

### Occupational exposure controls

#### Technical measures to prevent exposure

Provide for sufficient ventilation. This can be achieved by local exhaust or general exhaust air collection. Wear a suitable respirator if the ventilation is not sufficient to keep the solvent vapour concentration below the occupational limit values.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Safety relevant basis data

Physical state :			liquid
Flash point :			not relevant
Density :	( 20 °C )	approx.	1,19 g/cm <sup>3</sup>
Viscosity:	( 25 °C )		85 - 95 KU
Relative vapour density (air = 1)		>	1

### 9.2 Other information

None

## SECTION 10: Stability and reactivity

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## 10.1 Reactivity

No hazardous reaction when handled and stored according to provisions.

## 10.2 Chemical stability

The mixture is chemically stable under recommended conditions of storage, use and temperature.

## 10.3 Possibility of hazardous reactions

No known hazardous reactions.

## 10.4 Conditions to avoid

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Take precautionary measures against static discharges.

## 10.5 Incompatible materials

Strong acid Oxidising agent.

## 10.6 Hazardous decomposition products

The product is stable under storage at normal ambient temperatures.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute effects

##### Acute oral toxicity

Parameter :	LD50 ( BUTYL CELLOSOLVE ; CAS No. : 111-76-2 )
Exposure route :	Oral
Species :	Rat
Effective dose :	1480 mg/kg
Parameter :	LD50 ( ZINC OXIDE ; CAS No. : 1314-13-2 )
Exposure route :	Oral
Species :	Rat
Effective dose :	7950 mg/kg
Parameter :	LD50 ( TRIETHYLAMINE ; CAS No. : 121-44-8 )
Exposure route :	Oral
Species :	Rat
Effective dose :	460 mg/kg

##### Acute dermal toxicity

Parameter :	LD50 ( TRIETHYLAMINE ; CAS No. : 121-44-8 )
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	570 mg/kg

##### Acute inhalation toxicity

Parameter :	LC50 ( BUTYL CELLOSOLVE ; CAS No. : 111-76-2 )
Exposure route :	Inhalation
Species :	Rat
Effective dose :	500 ppm
Parameter :	LC50 ( BUTYL CELLOSOLVE ; CAS No. : 111-76-2 )
Exposure route :	Inhalation
Species :	Mouse
Effective dose :	700 ppm
Parameter :	LC50 ( ZINC OXIDE ; CAS No. : 1314-13-2 )
Exposure route :	Inhalation
Species :	Mouse
Effective dose :	2500 mg/m <sup>3</sup>

## SECTION 12: Ecological information

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## 12.1 Toxicity

No information available.

## 12.2 Persistence and degradability

No information available.

## 12.3 Bioaccumulative potential

No information available.

## 12.4 Mobility in soil

No information available.

## 12.5 Results of PBT and vPvB assessment

No information available.

## 12.6 Other adverse effects

No information available.

## 12.7 Additional ecotoxicological information

None

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

Dispose according to legislation. Handle contaminated packages in the same way as the substance itself.

## SECTION 14: Transport information

### 14.1 UN number

No dangerous good in sense of these transport regulations.

### 14.2 UN proper shipping name

No dangerous good in sense of these transport regulations.

### 14.3 Transport hazard class(es)

No dangerous good in sense of these transport regulations.

### 14.4 Packing group

No dangerous good in sense of these transport regulations.

### 14.5 Environmental hazards

No dangerous good in sense of these transport regulations.

### 14.6 Special precautions for user

None

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### National regulations

##### Technische Anleitung Luft (TA-Luft)

Weight fraction (Number 5.2.5. I) : < 5 %

##### Water hazard class (WGK)

Class : 2 (Hazardous to water) Classification according to VwVwS

##### Other regulations, restrictions and prohibition regulations

##### Betriebssicherheitsverordnung (BetrSichV)

No flammable liquid according to BetrSichV.

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## VOC-Regulation

VOC-value : < 66 g/l according to 31. BImSchV

## 15.2 Chemical safety assessment

No information available.

## 15.3 Additional information

EU limit value (cat. A/i): 140 g/l.

## SECTION 16: Other information

### 16.1 Indication of changes

None

### 16.2 Abbreviations and acronyms

None

### 16.3 Key literature references and sources for data

None

### 16.4 Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

No information available.

### 16.5 Relevant H- and EUH-phrases (Number and full text)

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H302+H312+H332	Harmful if swallowed, in contact with skin or if inhaled.
H311+H331	Toxic in contact with skin or if inhaled.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

### 16.6 Training advice

None

### 16.7 Additional information

None

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.