

# Safety Data Sheet

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



Trade name : CONSILEX IDROCON  
Revision date : 29.07.2019  
Print date : 29.07.2019

Version (Revision) : 3.0.0 (2.0.0)

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

### 1.1 Product identifier

CONSILEX IDROCON

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

Water-repellent, solvent-based consolidant for masonry surfaces

#### Uses advised against

None

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

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

AZICHEM Srl

**Street :** Via G. Gentile16/A

**Postal code/city :** 46044 Goito (MN)

**Telephone :** +390376604185/604365

**Telefax :** +39 0376 604398

**Information contact :** info@azichem.com

### 1.4 Emergency telephone number

Centro Antiveleni di Milano 02 66101029 (CAV Ospedale Niguarda Ca' Granda -Milano) (24h)

Centro Antiveleni di Pavia 0382 24444 (CAV IRCCS Fondazione Maugeri - Pavia)

Centro Antiveleni di Bergamo 800 883300 (CAV Ospedali Riuniti - Bergamo)

Centro Antiveleni di Firenze 055 7947819 (CAV Ospedale Careggi - Firenze)

Centro Antiveleni di Roma 06 3054343 (CAV Policlinico Gemelli - Roma)

Centro Antiveleni di Roma 06 49978000 (CAV Policlinico Umberto I - Roma) Centro Antiveleni di Napoli 081 7472870 (CAV Ospedale Cardarelli - Napoli)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

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

Asp. Tox. 1 ; H304 - Aspiration hazard : Category 1 ; May be fatal if swallowed and enters airways.

Eye Irrit. 2 ; H319 - Serious eye damage/eye irritation : Category 2 ; Causes serious eye irritation.

Flam. Liq. 2 ; H225 - Flammable liquids : Category 2 ; Highly flammable liquid and vapour.

STOT SE 3 ; H336 - STOT-single exposure : Category 3 ; May cause drowsiness or dizziness.

### 2.2 Label elements

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

##### Hazard pictograms



Flame (GHS02) · Health hazard (GHS08) · Exclamation mark (GHS07)

##### Signal word

Danger

##### Hazard statements

H225 Highly flammable liquid and vapour.

H304 May be fatal if swallowed and enters airways.

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H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.

### Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/....  
P331 Do NOT induce vomiting.  
P370+P378 In case of fire: Use water to extinguish.

### Supplemental Hazard information (EU)

EUH066 Repeated exposure may cause skin dryness or cracking.

## 2.3 Other hazards

None

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Hazardous ingredients

HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS ; REACH registration No. : 01-2119463258-33 ; EC No. : 919-857-5

Weight fraction :  $\geq 60 - < 80$  %  
Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 Asp. Tox. 1 ; H304 STOT SE 3 ; H336

TETRAETHYL SILICATE ; EC No. : 201-083-8; CAS No. : 78-10-4

Weight fraction :  $\geq 5 - < 10$  %  
Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 Acute Tox. 4 ; H332 Eye Irrit. 2 ; H319 STOT SE 3 ; H335

ETHYL ACETATE ; REACH registration No. : 01-2119475103-46 ; EC No. : 205-500-4; CAS No. : 141-78-6

Weight fraction :  $\geq 5 - < 10$  %  
Classification 1272/2008 [CLP] : Flam. Liq. 2 ; H225 Eye Irrit. 2 ; H319 STOT SE 3 ; H336

PROPAN-2-OL ; REACH registration No. : 01-2119457558-25 ; EC No. : 200-661-7; CAS No. : 67-63-0

Weight fraction :  $\geq 5 - < 10$  %  
Classification 1272/2008 [CLP] : Flam. Liq. 2 ; H225 Eye Irrit. 2 ; H319 STOT SE 3 ; H336

XYLENE ; REACH registration No. : 01-2119488216-32 ; EC No. : 215-535-7; CAS No. : 1330-20-7

Weight fraction :  $\geq 1 - < 5$  %  
Classification 1272/2008 [CLP] : Flam. Liq. 3 ; H226 Asp. Tox. 1 ; H304 STOT RE 2 ; H373 Acute Tox. 4 ; H312 Acute Tox. 4 ; H332 Skin Irrit. 2 ; H315 Eye Irrit. 2 ; H319 STOT SE 3 ; H335

METHANOL ; REACH registration No. : 01-2119433307-44 ; EC No. : 200-659-6; CAS No. : 67-56-1

Weight fraction : < 0,5 %  
Classification 1272/2008 [CLP] : Flam. Liq. 2 ; H225 Acute Tox. 3 ; H301 Acute Tox. 3 ; H311 Acute Tox. 3 ; H331 STOT SE 1 ; H370

#### Additional information

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

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

When in doubt or if symptoms are observed, get medical advice.

#### Following inhalation

Remove victim out of the danger area. Symptoms may develop several hours following exposure; medical observation therefore necessary for at least 48 hours.

#### In case of skin contact

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Wash immediately with: Water Remove contaminated, saturated clothing immediately. In case of skin irritation, consult a physician. In case of skin reactions, consult a physician.

### After eye contact

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

### After ingestion

Never give anything by mouth to an unconscious person or a person with cramps.

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

Vapours may cause drowsiness and dizziness. May be fatal if swallowed and enters airways. Irritation to eyes Repeated exposure may cause skin dryness or cracking.

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

None

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Extinguishing powder alcohol resistant foam Carbon dioxide (CO<sub>2</sub>) Water mist

#### Unsuitable extinguishing media

High power water jet

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

#### Hazardous combustion products

Carbon dioxide (CO<sub>2</sub>) Carbon monoxide

### 5.3 Advice for firefighters

Remove persons to safety.

#### Special protective equipment for firefighters

Do not inhale explosion and combustion gases. Use appropriate respiratory protection.

## SECTION 6: Accidental release measures

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

Clear spills immediately. Wear a self-contained breathing apparatus and chemical protective clothing.

#### For non-emergency personnel

Remove persons to safety.

### 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.

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

#### For containment

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Collect in closed and suitable containers for disposal.

#### For cleaning up

The contaminated area should be cleaned up immediately with: Water Retain contaminated washing water and dispose it.

### 6.4 Reference to other sections

Reference to other sections Safe handling: see section 7 Personal protection equipment: see section 8

## SECTION 7: Handling and storage

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## 7.1 Precautions for safe handling

### Protective measures

#### Specific requirements or handling rules

Do not breathe dust. Do not breathe gas/fumes/vapour/spray. See section 8.

### Advices on general occupational hygiene

Normal precautions taken when handling chemicals should be observed.

## 7.2 Conditions for safe storage, including any incompatibilities

Only use containers specifically approved for the substance/product.

### Requirements for storage rooms and vessels

Keep in a cool, well-ventilated place. Protect against UV-radiation/sunlight Humidity.

### Hints on joint storage

Storage class : 3

Storage class (TRGS 510) : 3

#### Keep away from

Store at least 3 metres apart from: Chemicals/products that react together readily

### Further information on storage conditions

Keep container tightly closed and in a well-ventilated place.

## 7.3 Specific end use(s)

None

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational exposure limit values

TETRAETHYL SILICATE ; CAS No. : 78-10-4

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

Limit value : 1,4 ppm / 12 mg/m<sup>3</sup>

Peak limitation : 1(I)

Version : 06.11.2015

ETHYL ACETATE ; CAS No. : 141-78-6

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

Limit value : 400 ppm / 1500 mg/m<sup>3</sup>

Peak limitation : 2(I)

Remark : Y

Version : 06.11.2015

PROPAN-2-OL ; CAS No. : 67-63-0

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

Limit value : 200 ppm / 500 mg/m<sup>3</sup>

Peak limitation : 2(II)

Remark : Y

Version : 06.11.2015

XYLENE ; CAS No. : 1330-20-7

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

Limit value : 100 ppm / 440 mg/m<sup>3</sup>

Peak limitation : 2(II)

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Remark : H  
Version : 06.11.2015  
Limit value type (country of origin) : STEL ( EC )  
Limit value : 100 ppm / 442 mg/m<sup>3</sup>  
Remark : H  
Version : 08.06.2000  
Limit value type (country of origin) : TWA ( EC )  
Limit value : 50 ppm / 221 mg/m<sup>3</sup>  
Remark : H  
Version : 08.06.2000

METHANOL ; CAS No. : 67-56-1

Limit value type (country of origin) : TRGS 900 ( D )  
Limit value : 200 ppm / 270 mg/m<sup>3</sup>  
Peak limitation : 4(II)  
Remark : H, Y  
Version : 06.11.2015  
Limit value type (country of origin) : TWA ( EC )  
Limit value : 200 ppm / 260 mg/m<sup>3</sup>  
Remark : H  
Version : 07.02.2006

### Biological limit values

PROPAN-2-OL ; CAS No. : 67-63-0

Limit value type (country of origin) : TRGS 903 ( D )  
Parameter : Acetone / Whole blood (B) / End of exposure or end of shift  
Limit value : 50 mg/l  
Version : 31.03.2004  
Limit value type (country of origin) : TRGS 903 ( D )  
Parameter : Acetone / Urine (U) / End of exposure or end of shift  
Limit value : 50 mg/l  
Version : 31.03.2004

XYLENE ; CAS No. : 1330-20-7

Limit value type (country of origin) : TRGS 903 ( D )  
Parameter : Xylene / Whole blood (B) / End of exposure or end of shift  
Limit value : 1,5 mg/l  
Version : 31.03.2004  
Limit value type (country of origin) : TRGS 903 ( D )  
Parameter : Methylhippuric acid / Urine (U) / End of exposure or end of shift  
Limit value : 2 g/l  
Version : 31.03.2004

METHANOL ; CAS No. : 67-56-1

Limit value type (country of origin) : TRGS 903 ( D )  
Parameter : Methanol / Urine (U) / End of exposure or end of shift ; At long term exposure: after several previous shifts  
Limit value : 30 mg/l  
Version : 31.03.2004

### DNEL/DMEL and PNEC values

#### DNEL/DMEL

Limit value type : DNEL Consumer (systemic) ( HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS )  
Exposure route : Dermal  
Exposure frequency : Long-term (repeated)  
Limit value : 125 mg/kg  
Limit value type : DNEL Consumer (systemic) ( HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES,

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CYCLICS, < 2% AROMATICS )

Exposure route : Inhalation  
Exposure frequency : Long-term (repeated)  
Limit value : 185 mg/m<sup>3</sup>  
Limit value type : DNEL Consumer (systemic) ( HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS )

Exposure route : Oral  
Exposure frequency : Long-term (repeated)  
Limit value : 125 mg/kg  
Limit value type : DNEL worker (systemic) ( HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS )

Exposure route : Dermal  
Exposure frequency : Long-term (repeated)  
Limit value : 208 mg/kg  
Limit value type : DNEL worker (systemic) ( HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS )

Exposure route : Inhalation  
Exposure frequency : Long-term (repeated)  
Limit value : 871 mg/m<sup>3</sup>  
Limit value type : DNEL Consumer (local) ( ETHYL ACETATE ; CAS No. : 141-78-6 )

Exposure route : Inhalation  
Exposure frequency : Long-term (repeated)  
Limit value : 367 mg/m<sup>3</sup>  
Limit value type : DNEL Consumer (local) ( ETHYL ACETATE ; CAS No. : 141-78-6 )

Exposure route : Inhalation  
Exposure frequency : Short-term (acute)  
Limit value : 734 mg/m<sup>3</sup>  
Limit value type : DNEL Consumer (systemic) ( ETHYL ACETATE ; CAS No. : 141-78-6 )

Exposure route : Oral  
Exposure frequency : Long-term (repeated)  
Limit value : 4,5 mg/kg  
Limit value type : DNEL Consumer (systemic) ( PROPAN-2-OL ; CAS No. : 67-63-0 )

Exposure route : Dermal  
Exposure frequency : Long-term (repeated)  
Limit value : 319 mg/kg  
Limit value type : DNEL Consumer (systemic) ( PROPAN-2-OL ; CAS No. : 67-63-0 )

Exposure route : Inhalation  
Exposure frequency : Long-term (repeated)  
Limit value : 89 mg/m<sup>3</sup>  
Limit value type : DNEL Consumer (systemic) ( ETHYL ACETATE ; CAS No. : 141-78-6 )

Exposure route : Inhalation  
Exposure frequency : Short-term (acute)  
Limit value : 734 mg/m<sup>3</sup>  
Limit value type : DNEL Consumer (systemic) ( PROPAN-2-OL ; CAS No. : 67-63-0 )

Exposure route : Oral  
Exposure frequency : Long-term (repeated)  
Limit value : 26 mg/kg  
Limit value type : DNEL Consumer (systemic) ( ETHYL ACETATE ; CAS No. : 141-78-6 )

Exposure route : Dermal  
Exposure frequency : Long-term (repeated)  
Limit value : 37 mg/kg  
Limit value type : DNEL Consumer (systemic) ( ETHYL ACETATE ; CAS No. : 141-78-6 )

Exposure route : Inhalation  
Exposure frequency : Long-term (repeated)  
Limit value : 367 mg/m<sup>3</sup>

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Limit value type : DNEL worker (local) ( ETHYL ACETATE ; CAS No. : 141-78-6 )  
Exposure route : Inhalation  
Exposure frequency : Short-term (acute)  
Limit value : 1468 mg/m<sup>3</sup>

Limit value type : DNEL worker (local) ( ETHYL ACETATE ; CAS No. : 141-78-6 )  
Exposure route : Inhalation  
Exposure frequency : Long-term (repeated)  
Limit value : 734 mg/m<sup>3</sup>

Limit value type : DNEL worker (systemic) ( ETHYL ACETATE ; CAS No. : 141-78-6 )  
Exposure route : Inhalation  
Exposure frequency : Short-term (acute)  
Limit value : 1468 mg/m<sup>3</sup>

Limit value type : DNEL worker (systemic) ( ETHYL ACETATE ; CAS No. : 141-78-6 )  
Exposure route : Dermal  
Exposure frequency : Long-term (repeated)  
Limit value : 63 mg/kg

Limit value type : DNEL worker (systemic) ( PROPAN-2-OL ; CAS No. : 67-63-0 )  
Exposure route : Dermal  
Exposure frequency : Long-term (repeated)  
Limit value : 888 mg/kg

Limit value type : DNEL worker (systemic) ( PROPAN-2-OL ; CAS No. : 67-63-0 )  
Exposure route : Inhalation  
Exposure frequency : Long-term (repeated)  
Limit value : 500 mg/m<sup>3</sup>

Limit value type : DNEL worker (systemic) ( ETHYL ACETATE ; CAS No. : 141-78-6 )  
Exposure route : Inhalation  
Exposure frequency : Long-term (repeated)  
Limit value : 734 mg/m<sup>3</sup>

Limit value type : DNEL Consumer (local) ( METHANOL ; CAS No. : 67-56-1 )  
Exposure route : Inhalation  
Exposure frequency : Short-term (acute)  
Limit value : 50 mg/m<sup>3</sup>

Limit value type : DNEL Consumer (systemic) ( METHANOL ; CAS No. : 67-56-1 )  
Exposure route : Dermal  
Exposure frequency : Long-term (repeated)  
Limit value : 8 mg/kg

Limit value type : DNEL Consumer (systemic) ( METHANOL ; CAS No. : 67-56-1 )  
Exposure route : Inhalation  
Exposure frequency : Long-term (repeated)  
Limit value : 50 mg/m<sup>3</sup>

Limit value type : DNEL Consumer (systemic) ( METHANOL ; CAS No. : 67-56-1 )  
Exposure route : Oral  
Exposure frequency : Long-term (repeated)  
Limit value : 8 mg/kg

Limit value type : DNEL Consumer (systemic) ( XYLENE ; CAS No. : 1330-20-7 )  
Exposure route : Dermal  
Exposure frequency : Long-term (repeated)  
Limit value : 108 mg/kg

Limit value type : DNEL Consumer (systemic) ( XYLENE ; CAS No. : 1330-20-7 )  
Exposure route : Inhalation  
Exposure frequency : Long-term (repeated)  
Limit value : 14,8 mg/m<sup>3</sup>

Limit value type : DNEL Consumer (systemic) ( METHANOL ; CAS No. : 67-56-1 )  
Exposure route : Dermal

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Exposure frequency : Short-term (acute)  
Limit value : 8 mg/kg  
Limit value type : DNEL Consumer (systemic) ( METHANOL ; CAS No. : 67-56-1 )  
Exposure route : Inhalation  
Exposure frequency : Short-term (acute)  
Limit value : 50 mg/kg  
Limit value type : DNEL Consumer (systemic) ( XYLENE ; CAS No. : 1330-20-7 )  
Exposure route : Oral  
Exposure frequency : Long-term (repeated)  
Limit value : 1,6 mg/kg  
Limit value type : DNEL Consumer (systemic) ( METHANOL ; CAS No. : 67-56-1 )  
Exposure route : Oral  
Exposure frequency : Short-term (acute)  
Limit value : 8 mg/kg  
Limit value type : DNEL worker (local) ( METHANOL ; CAS No. : 67-56-1 )  
Exposure route : Dermal  
Exposure frequency : Short-term (acute)  
Limit value : 40 mg/kg  
Limit value type : DNEL worker (local) ( XYLENE ; CAS No. : 1330-20-7 )  
Exposure route : Inhalation  
Exposure frequency : Short-term (acute)  
Limit value : 289 mg/kg  
Limit value type : DNEL worker (local) ( METHANOL ; CAS No. : 67-56-1 )  
Exposure route : Inhalation  
Exposure frequency : Short-term (acute)  
Limit value : 260 mg/m<sup>3</sup>  
Limit value type : DNEL worker (systemic) ( METHANOL ; CAS No. : 67-56-1 )  
Exposure route : Inhalation  
Exposure frequency : Short-term (acute)  
Limit value : 260 mg/m<sup>3</sup>  
Limit value type : DNEL worker (systemic) ( XYLENE ; CAS No. : 1330-20-7 )  
Exposure route : Dermal  
Exposure frequency : Long-term (repeated)  
Limit value : 180 mg/kg  
Limit value type : DNEL worker (systemic) ( XYLENE ; CAS No. : 1330-20-7 )  
Exposure route : Inhalation  
Exposure frequency : Long-term (repeated)  
Limit value : 77 mg/m<sup>3</sup>  
Limit value type : DNEL worker (systemic) ( METHANOL ; CAS No. : 67-56-1 )  
Exposure route : Dermal  
Exposure frequency : Long-term (repeated)  
Limit value : 40 mg/kg  
Limit value type : DNEL worker (systemic) ( METHANOL ; CAS No. : 67-56-1 )  
Exposure route : Inhalation  
Exposure frequency : Long-term (repeated)  
Limit value : 260 mg/m<sup>3</sup>

**PNEC**  
Limit value type : PNEC aquatic, freshwater ( ETHYL ACETATE ; CAS No. : 141-78-6 )  
Limit value : 0,26 mg/l  
Limit value type : PNEC aquatic, freshwater ( PROPAN-2-OL ; CAS No. : 67-63-0 )  
Limit value : 140,9 mg/l  
Limit value type : PNEC aquatic, intermittent release ( PROPAN-2-OL ; CAS No. : 67-63-0 )  
Limit value : 140,9 mg/l  
Limit value type : PNEC aquatic, intermittent release ( ETHYL ACETATE ; CAS No. : 141-78-6 )



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Limit value :	1,65 mg/l
Limit value type :	PNEC aquatic, marine water ( ETHYL ACETATE ; CAS No. : 141-78-6 )
Limit value :	0,02 mg/l
Limit value type :	PNEC aquatic, marine water ( PROPAN-2-OL ; CAS No. : 67-63-0 )
Limit value :	140,9 mg/l
Limit value type :	PNEC sediment, freshwater ( PROPAN-2-OL ; CAS No. : 67-63-0 )
Limit value :	552 mg/kg
Limit value type :	PNEC sediment, freshwater ( ETHYL ACETATE ; CAS No. : 141-78-6 )
Limit value :	1,25 mg/kg
Limit value type :	PNEC sediment, marine water ( PROPAN-2-OL ; CAS No. : 67-63-0 )
Limit value :	552 mg/kg
Limit value type :	PNEC sediment, marine water ( ETHYL ACETATE ; CAS No. : 141-78-6 )
Limit value :	0,12 mg/kg
Limit value type :	PNEC Soil ( PROPAN-2-OL ; CAS No. : 67-63-0 )
Limit value :	28 mg/kg
Limit value type :	PNEC Soil ( ETHYL ACETATE ; CAS No. : 141-78-6 )
Limit value :	0,24 mg/kg
Limit value type :	PNEC Secondary Poisoning ( PROPAN-2-OL ; CAS No. : 67-63-0 )
Limit value :	160 mg/kg
Limit value type :	PNEC Secondary Poisoning ( ETHYL ACETATE ; CAS No. : 141-78-6 )
Limit value :	0,2 g/kg
Limit value type :	PNEC sewage treatment plant (STP) ( ETHYL ACETATE ; CAS No. : 141-78-6 )
Limit value :	650 mg/l
Limit value type :	PNEC sewage treatment plant (STP) ( PROPAN-2-OL ; CAS No. : 67-63-0 )
Limit value :	2251 mg/l
Limit value type :	PNEC aquatic, freshwater ( XYLENE ; CAS No. : 1330-20-7 )
Limit value :	0,32 mg/l
Limit value type :	PNEC aquatic, intermittent release ( XYLENE ; CAS No. : 1330-20-7 )
Limit value :	0,32 mg/l
Limit value type :	PNEC aquatic, marine water ( XYLENE ; CAS No. : 1330-20-7 )
Limit value :	0,32 mg/l
Limit value type :	PNEC sediment, freshwater ( XYLENE ; CAS No. : 1330-20-7 )
Limit value :	12,46 mg/kg
Limit value type :	PNEC sediment, marine water ( XYLENE ; CAS No. : 1330-20-7 )
Limit value :	12,46 mg/kg
Limit value type :	PNEC Soil ( XYLENE ; CAS No. : 1330-20-7 )
Limit value :	2,31 mg/kg
Limit value type :	PNEC sewage treatment plant (STP) ( XYLENE ; CAS No. : 1330-20-7 )
Limit value :	6,58 mg/l

## 8.2 Exposure controls

### Appropriate engineering controls

If local exhaust ventilation is not possible or not sufficient, the entire working area must be ventilated by technical means. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

### Personal protection equipment



When using do not eat, drink, smoke, sniff.

### Eye/face protection

#### Suitable eye protection

Eye glasses with side protection Eye glasses with side protection DIN EN 166

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## Skin protection

### Hand protection

Tested protective gloves must be worn Tested protective gloves must be worn DIN EN 374

**Suitable material :** Butyl caoutchouc (butyl rubber) NBR (Nitrile rubber) PVC (Polyvinyl chloride)

## Respiratory protection

Full-/half-/quarter-face masks (DIN EN 136/140) Filter type: A

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Safety relevant basis data

Appearance :			liquid
Odour :			characteristic
Colour			colourless
Melting point/melting range :	( 1013 hPa )		No data available
Freezing point :			No data available
Vapour density	( (air = 1) )	>	1
Initial boiling point and boiling range :	( 1013 hPa )		No data available
Decomposition temperature :			No data available
Self flammability			No data available
Flash point :		<	23 °C
Ignition temperature :			No data available
Lower explosion limit :			No data available
Upper explosion limit :			No data available
Explosive properties :			No data available.
Explosive properties			Data not available
Vapour pressure	( 20 °C )		No data available
Density :	( 20 °C )		No data available
Relative density :	( 20 °C )		No data available
Water solubility :	( 20 °C )		insoluble
pH :			not applicable
Log Pow	( 20 °C )		not applicable
Viscosity :	( 20 °C )		No data available
Odour threshold			Data not available
Odour threshold :			No data available
Relative vapour density :	( 20 °C )		No data available
Evaporation rate :			No data available
Evaporation rate			Data not available
Maximum VOC content (EC) :			82,6 Wt %
Oxidizing properties			Not oxidising

### 9.2 Other information

None

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Flammable Ignition hazard

### 10.2 Chemical stability

See section 7. No additional measures necessary.

### 10.3 Possibility of hazardous reactions

May catch fire on contact with oxidising mineral acids, strong oxidizing agents.

### 10.4 Conditions to avoid

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Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

### 10.5 Incompatible materials

Oxidising agent.

### 10.6 Hazardous decomposition products

If burned can release: Carbon dioxide. Carbon monoxide Nitrogen oxides (NOx).

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute effects

##### Acute oral toxicity

Parameter :	LD50 ( HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS )
Exposure route :	Oral
Effective dose :	> 5000 mg/kg
Parameter :	LD50 ( ETHYL ACETATE ; CAS No. : 141-78-6 )
Exposure route :	Oral
Species :	Rat
Effective dose :	4934 mg/kg
Method :	OECD 401
Parameter :	LD50 ( PROPAN-2-OL ; CAS No. : 67-63-0 )
Exposure route :	Oral
Species :	Rat
Effective dose :	> 2000 mg/kg
Parameter :	LD50 ( XYLENE ; CAS No. : 1330-20-7 )
Exposure route :	Oral
Species :	mouse (male)
Effective dose :	5627 mg/kg
Parameter :	LD50 ( METHANOL ; CAS No. : 67-56-1 )
Exposure route :	Oral
Species :	Rat
Effective dose :	1187 - 2769 mg/kg

##### STOT-single exposure

Vapours may cause drowsiness and dizziness.

##### Acute dermal toxicity

Parameter :	LD50 ( HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS )
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	> 5000 mg/kg
Parameter :	LD50 ( ETHYL ACETATE ; CAS No. : 141-78-6 )
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	> 20000 mg/kg
Parameter :	LD50 ( PROPAN-2-OL ; CAS No. : 67-63-0 )
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	> 2000 ml/kg
Parameter :	LD50 ( XYLENE ; CAS No. : 1330-20-7 )
Exposure route :	Dermal
Species :	Rabbit
Effective dose :	> 5000 ml/kg
Parameter :	LD50 ( METHANOL ; CAS No. : 67-56-1 )

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Exposure route : Dermal  
Species : Rabbit  
Effective dose : 17000 mg/kg

### Acute inhalation toxicity

Parameter : LC50 ( HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS )

Exposure route : Inhalation  
Species : Rat  
Effective dose : > 4951 mg/m<sup>3</sup>

Parameter : LC50 ( ETHYL ACETATE ; CAS No. : 141-78-6 )

Exposure route : Inhalation  
Species : Rat  
Effective dose : > 22,5 mg/l  
Exposure time : 6 h

Parameter : LC50 ( PROPAN-2-OL ; CAS No. : 67-63-0 )

Exposure route : Inhalation  
Species : Rat  
Effective dose : > 2000 mg/l  
Exposure time : 6 h

Parameter : LC50 ( METHANOL ; CAS No. : 67-56-1 )

Exposure route : Inhalation  
Species : Rat  
Effective dose : 128,2 mg/l  
Exposure time : 4 h

Parameter : LC50 ( XYLENE ; CAS No. : 1330-20-7 )

Exposure route : Inhalation  
Species : Rat  
Effective dose : 20 mg/l  
Exposure time : 4 h

Parameter : LC50 ( METHANOL ; CAS No. : 67-56-1 )

Exposure route : Inhalation  
Species : Mouse  
Effective dose : 79,43 mg/l  
Exposure time : 134 min

Parameter : LC50 ( METHANOL ; CAS No. : 67-56-1 )

Exposure route : Inhalation  
Species : Cat  
Effective dose : 85,41 mg/l  
Exposure time : 4,5 h

Parameter : LC50 ( METHANOL ; CAS No. : 67-56-1 )

Exposure route : Inhalation  
Species : Cat  
Effective dose : 43,68 mg/l  
Exposure time : 6 h

### Irritant and corrosive effects

#### Primary irritation to the skin

Repeated exposure may cause skin dryness or cracking.

#### Irritation to eyes

Irritant.

#### Irritation to respiratory tract

Not an irritant.

### Sensitisation

#### In case of skin contact

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not sensitising.

### In case of inhalation

not sensitising.

### Repeated dose toxicity (subacute, subchronic, chronic)

#### Subacute oral toxicity

Parameter : NOAEL(C) ( ETHYL ACETATE ; CAS No. : 141-78-6 )  
Exposure route : Oral  
Species : Rat  
Effective dose : 900 mg/kg bw/day

#### Subacute inhalation toxicity

Parameter : NOAEL(C) ( ETHYL ACETATE ; CAS No. : 141-78-6 )  
Exposure route : Inhalation  
Species : Rat  
Effective dose : 350 ppm

### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

The ingredients in this mixture do not meet the criteria for classification as CMR according to CLP.

#### Reproductive toxicity

##### Developmental toxicity/teratogenicity

###### One generation reproduction toxicity test

Parameter : NOAEL(C) ( ETHYL ACETATE ; CAS No. : 141-78-6 )  
Species : Mouse  
Effective dose : 13800 mg/kg bw/day

###### Two generation reproduction toxicity test

Parameter : NOAEL(C) ( ETHYL ACETATE ; CAS No. : 141-78-6 )  
Species : Mouse  
Effective dose : 20700 mg/kg bw/day

#### Aspiration hazard

May be fatal if swallowed and enters airways.

## SECTION 12: Ecological information

Do not allow uncontrolled discharge of product into the environment.

### 12.1 Toxicity

#### Aquatic toxicity

##### Chronic (long-term) fish toxicity

Parameter : NOEC ( XYLENE ; CAS No. : 1330-20-7 )  
Species : Oncorhynchus mykiss (Rainbow trout)  
Effective dose : > 1,3 mg/l  
Exposure time : 56 g  
Parameter : NOEC ( METHANOL ; CAS No. : 67-56-1 )  
Species : Oryzias latipes (Ricefish)  
Effective dose : 7900 mg/l

##### Acute (short-term) daphnia toxicity

Parameter : EC0 ( HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS )  
Species : Daphnia  
Effective dose : 1000 mg/l  
Exposure time : 48 h  
Parameter : EC50 ( ETHYL ACETATE ; CAS No. : 141-78-6 )  
Species : Daphnia magna (Big water flea)  
Effective dose : 165 mg/l  
Exposure time : 48 h

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Parameter : EC50 ( PROPAN-2-OL ; CAS No. : 67-63-0 )  
Species : Daphnia magna (Big water flea)  
Effective dose : > 100 mg/l  
Exposure time : 48 h

Parameter : EC50 ( XYLENE ; CAS No. : 1330-20-7 )  
Effective dose : 1 mg/l  
Exposure time : 24 h

Parameter : EC50 ( METHANOL ; CAS No. : 67-56-1 )  
Species : Daphnia magna (Big water flea)  
Effective dose : > 10000 mg/l  
Exposure time : 48 h

### Chronic (long-term) daphnia toxicity

Parameter : NOEC ( ETHYL ACETATE ; CAS No. : 141-78-6 )  
Species : Daphnia pulex (water flea)  
Effective dose : 2,4 mg/l  
Exposure time : 21 g

Parameter : NOEC ( XYLENE ; CAS No. : 1330-20-7 )  
Effective dose : 1,57 mg/l  
Exposure time : 21 g

### Chronic (long-term) algae toxicity

Parameter : NOEC ( ETHYL ACETATE ; CAS No. : 141-78-6 )  
Species : Scenedesmus subspicatus  
Effective dose : > 100 mg/l  
Exposure time : 72 h

### Bacteria toxicity

Parameter : EC50 ( ETHYL ACETATE ; CAS No. : 141-78-6 )  
Species : Photobacterium phosphoreum  
Effective dose : 5870 mg/l  
Exposure time : 15 min

## 12.2 Persistence and degradability

Readily biodegradable (according to OECD criteria).

### Biodegradation

Parameter : Biodegradation ( ETHYL ACETATE ; CAS No. : 141-78-6 )  
Effective dose : > 70 %  
Exposure time : 28 g

## 12.3 Bioaccumulative potential

Parameter : Bioconcentration factor (BCF) ( ETHYL ACETATE ; CAS No. : 141-78-6 )  
Concentration : 30  
No indication of bioaccumulation potential.

## 12.4 Mobility in soil

No information available.

## 12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

## 12.6 Other adverse effects

No information available.

## 12.7 Additional ecotoxicological information

None

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

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## Product/Packaging disposal

Dispose according to legislation.

## SECTION 14: Transport information

### 14.1 UN number

UN 1993

### 14.2 UN proper shipping name

#### Land transport (ADR/RID)

FLAMMABLE LIQUID, N.O.S. ( HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS · ETHYL ACETATE )

#### Sea transport (IMDG)

FLAMMABLE LIQUID, N.O.S. ( HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS · ETHYL ACETATE )

#### Air transport (ICAO-TI / IATA-DGR)

FLAMMABLE LIQUID, N.O.S. ( HYDROCARBONS, C9-C11, N-ALKANES, ISOALKANES, CYCLICS, < 2% AROMATICS · ETHYL ACETATE )

### 14.3 Transport hazard class(es)

#### Land transport (ADR/RID)

Class(es) : 3  
Classification code : F1  
Hazard identification number (Kemler No.) : 33  
Tunnel restriction code : D/E  
Special provisions : 640D · LQ 11 · E 2  
Hazard label(s) : 3

#### Sea transport (IMDG)

Class(es) : 3  
EmS-No. : F-E / S-E  
Special provisions : LQ 11 · E 2  
Hazard label(s) : 3

#### Air transport (ICAO-TI / IATA-DGR)

Class(es) : 3  
Special provisions : E 2  
Hazard label(s) : 3

### 14.4 Packing group

II

### 14.5 Environmental hazards

Land transport (ADR/RID) : No  
Sea transport (IMDG) : No  
Air transport (ICAO-TI / IATA-DGR) : No

### 14.6 Special precautions for user

None

### 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

EU legislation

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Regulation (EC) 1907/2006 (REACH).  
Regulation (EC) No 1272/2008 (CLP).  
Regulation (EU) 2015/830 requirements for the compilation of safety data sheets.  
Amendings, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008:  
Commission Regulation (EC) No 790/2009 (I ATP). Commission Regulation (EU) No 286/2011 (II ATP). Commission Regulation (EU) No 618/2012 (III ATP). Commission Regulation (EU) No 487/2013 (IV ATP). Commission Regulation (EU) No 944/2013 (V ATP). Commission Regulation (EU) No 605/2014 (VI ATP). Commission Regulation (EU) No 1297/2014 (VII ATP). Commission Regulation (EU) No 2015/1221 (VIII ATP). Commission Regulation (EU) No 2016/1179 (IX ATP). Commission Regulation 2017/776 (EU) No (X ATP).

### Other regulations (EU)

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]  
Classification according to Annex I, Part 1 P5c Flammable liquids

### Regulation (CE) 1907/2006: Substance of very high concern included in the SVHC Candidate List

None

### National regulations

Italy: Legislative Decree 81/2008 (Consolidated Law on protection of health and safety at work), as amended and Directive 2009/161/UE - chemical risk assessment in accordance with Title IX

### Störfallverordnung

#### For substances contained in the product

METHANOL ; CAS No. : 67-56-1 ; Category : 26

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

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

#### Water hazard class (WGK)

Class : 1 (Slightly hazardous to water) Classification according to VwVwS

## 15.2 Chemical safety assessment

not applicable

## SECTION 16: Other information

### 16.1 Indication of changes

02. Classification of the substance or mixture · 02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] · 02. Labelling according to Regulation (EC) No. 1272/2008 [CLP] - Hazard components for labelling · 03. Hazardous ingredients · 08. Occupational exposure limit values · 14. Transport hazard class(es) - Land transport (ADR/RID) · 14. Transport hazard class(es) - Sea transport (IMDG) · 14. Transport hazard class(es) - Air transport (ICAO-TI / IATA-DGR)

### 16.2 Abbreviations and acronyms

#### LEGENDA:

ADR:	Accord européen relative au transport international des marchandises dangereuses par route (accordo europeo relativo al trasporto internazionale delle merci pericolose su strada)
ASTM:	ASTM International, originariamente nota come American Society for Testing and Materials (ASTM)
EINECS:	European Inventory of Existing Commercial Chemical Substances (Registro Europeo delle Sostanze chimiche in Commercio)
EC(0/50/100):	Effective Concentration 0/50/100 (Concentrazione Effettiva Massima per 0/50/100% degli Individui)
LC(0/50/100):	Lethal Concentration 0/50/100 (Concentrazione Letale per 0/50/100% degli Individui)
IC50:	Inhibitor Concentration 50 (Concentrazione Inibente per il 50% degli Individui)
NOEL:	No Observed Effect Level (Dose massima senza effetti)
NOEC:	No Observed Effect Concentration (Concentrazione massima senza effetti)
LOEC:	Lowest Observed Effect Concentration (Concentrazione massima alla quale è possibile evidenziare un effetto)
DNEL:	Derived No Effect Level (Dose derivata di non effetto)
DMEL:	Derived Minimum Effect Level (Dose derivata di minimo effetto)
CLP:	Classification, Labelling and Packaging (Classificazione, Etichettatura e Imballaggio)
CSR:	Rapporto sulla Sicurezza Chimica (Chemical Safety Report)
LD(0/50/100):	Lethal Dose 0/50/100 (Dose Letale per 0/50/100% degli Individui)
IATA:	International Air Transport Association (Associazione Internazionale del Trasporto Aereo)



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ICAO:	International Civil Aviation Organization (Organizzazione Internazionale dell'Aviazione Civile)
Codice IMDG:	International Maritime Dangerous Goods code (Codice sul Regolamento del Trasporto Marittimo)
PBT:	Persistent, bioaccumulative and toxic (sostanze persistenti bioaccumulabili e tossiche)
RID:	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regolamento concernente il trasporto Internazionale ferroviario delle merci Pericolose)
STEL:	Short term exposure limit (limite di esposizione a breve termine)
TLV:	Threshold limit value (soglia di valore limite)
TWA:	Time Weighted Average (media ponderata nel tempo)
UE:	Unione Europea
vPvB:	Very persistent very bioaccumulative (sostanze molto persistenti e molto bioaccumulabili)
N.D.:	Non disponibile.
N.A.:	Non applicabile
AwSV.:	Ordinance on facilities for handling substances that are hazardous to water (Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (AwSV))
PNEC:	Predicted No Effect Concentration
PNOS:	Particulates not Otherwise Specified
BOD:	Biochemical Oxygen Demand
COD:	Chemical Oxygen Demand
BCF:	BioConcentration Factor
TRGS :	Technische Regeln für Gefahrstoffe -Technical Rules for Hazardous Substances, defined by The Federal Institute for Occupational Safety and Health, Germany
LCLo:	Lethal Concentration Low (La minima concentrazione letale)
ThOD:	Theoretical Oxygen Demand

### 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]

calculated.

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

H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H301+H311+H331	Toxic if swallowed, in contact with skin or if inhaled.
H304	May be fatal if swallowed and enters airways.
H312+H332	Harmful in contact with skin or if inhaled.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H370	Causes damage to organs.
H373	May cause damage to organs through prolonged or repeated exposure.

### 16.6 Training advice

None

### 16.7 Additional information

None

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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.

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