

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Methanol min. 99.8%,dried

Revision: 04.03.2025

Product code: AC15.02429

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

### 1.1. Product identifier

Methanol min. 99.8%,dried

REACH Registration Number: 01-2119433307-44-XXXX  
CAS No: 67-56-1  
Index No: 603-001-00-X  
EC No: 200-659-6

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

#### Use of the substance/mixture

Reagents and laboratory chemicals  
Only for laboratory and analysis purposes.

#### Uses advised against

Do not use for private purposes (household).

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

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

Company name: AnalytiChem Services, Unipessoal, Lda  
Street: Rua de Júlio Dinis 676 7º  
Place: P-4050-320 Porto  
Telephone: +351 226002917  
E-mail: info@analytichem.com  
Contact person: SDS service department  
E-mail: SDS@analytichem.com  
Internet: www.analytichem.com  
Responsible Department: SDS service department

#### Supplier or manufacturer details

Company name: AnalytiChem GmbH  
Street: Stempelstraße 6  
Place: D-47167 Duisburg  
Telephone: 0203/5194-0  
E-mail: info@analytichem.de  
Contact person: SDS service department  
E-mail: SDS@analytichem.com  
Internet: www.analytichem.de  
Responsible Department: AnalytiChem:  
EU-Belgium: AnalytiChem Belgium, Industriezone "De Arend" 2, 8210 Zedelgem, Belgium, +32 50 28 83 20  
EU-Germany: AnalytiChem Germany, Stempelstrasse 6, 47167 Duisburg, Germany, +49 203 51 94 – 200  
EU-Netherlands: AnalytiChem Netherlands, Communicatieweg 7, 3641 SG Mijdrecht, The Netherlands, +31 297 286848  
UK: AnalytiChem UK, Unit 7 Launton Business Center, Murdock Road, Bicester, OX26 4XB, England, +44 1869 355 500  
USA: AnalytiChem USA, 227 China Road, Winslow, Maine, 04901, United States, +1 800-244-8378  
Canada: AnalytiChem Canada, 21800 Clark Graham Avenue, Baie d'Urfe, H9X 4B6, Canada, +1 514-457-0701  
Australia: ORE Research & Exploration Pty Ltd, 37A Hosie Street, Bayswater North, 3153, Australia, +61 3 9729 0333

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**1.4. Emergency telephone number:**

+353 1 901 4670 (CHEMTREC)

**Further Information**

No data available

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No 1272/2008**

Flam. Liq. 2; H225

Acute Tox. 3; H331

Acute Tox. 3; H311

Acute Tox. 3; H301

STOT SE 1; H370

Full text of hazard statements: see SECTION 16.

**2.2. Label elements****Regulation (EC) No 1272/2008****Signal word:**

Danger

**Pictograms:****Hazard statements**

H225

Highly flammable liquid and vapour.

H301+H311+H331

Toxic if swallowed, in contact with skin or if inhaled.

H370

Causes damage to organs (eyes, central nervous system).

**Precautionary statements**

P210

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P260

Do not breathe dust/fume/gas/mist/vapours/spray.

P280

Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

P308+P311

IF exposed or concerned: Call a POISON CENTER/doctor.

P403+P235

Store in a well-ventilated place. Keep cool.

**2.3. Other hazards**

No data available

**SECTION 3: Composition/information on ingredients****3.1. Substances**

Sum formula:

CH<sub>3</sub>OH

Molecular weight:

32,04 g/mol

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## Relevant ingredients

| CAS No  | Chemical name   |              |                       | Quantity |
|---------|---|--------------|-----------------------|----------|
|         | EC No   | Index No     | REACH No              |          |
|         | Classification (Regulation (EC) No 1272/2008)   |              |                       |          |
| 67-56-1 | methanol  |              |                       | 100 %    |
|         | 200-659-6   | 603-001-00-X | 01-2119433307-44-XXXX |          |
|         | Flam. Liq. 2, Acute Tox. 3, Acute Tox. 3, Acute Tox. 3, STOT SE 1; H225 H331 H311 H301 H370 |              |                       |          |

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

## Specific Conc. Limits, M-factors and ATE

| CAS No  | EC No     | Chemical name  | Quantity |
|---------|-----------|--|----------|
|         |           | Specific Conc. Limits, M-factors and ATE   |          |
| 67-56-1 | 200-659-6 | methanol   | 100 %    |
|         |           | inhalation: LC50 = 128,2 mg/l (vapours); inhalation: ATE = 0,5 mg/l (dusts or mists); dermal: ATE = 300 mg/kg; oral: LD50 = 6000 mg/kg STOT SE 1; H370: >= 10 - 100 STOT SE 2; H371: >= 3 - < 10 |          |

## Further Information

This product does not contain substances of very high concern according to Regulation (EC) No 1907/2006 (REACH), Article 57 above the respective regulatory concentration limit of = 0.1 % (w/w).

## SECTION 4: First aid measures

## 4.1. Description of first aid measures

## General information

First aider: Pay attention to self-protection!

## After inhalation

Provide fresh air.

If breathing is irregular or stopped, administer artificial respiration.

Call a physician immediately.

## After contact with skin

Wash immediately with: Water

Take off immediately all contaminated clothing and wash it before reuse.

Call a physician immediately.

## After contact with eyes

After eye contact: Rinse immediately carefully and thoroughly with eye-bath or water.

Remove contact lenses, if present and easy to do. Continue rinsing.

Consult an ophthalmologist.

## After ingestion

Provide fresh air.

Call a physician immediately.

Notes for the doctor : Methanol

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

Irritant, Dizziness

Dizziness, Anaesthetic state

Agitation, Spasms

Inebriation, Vomiting

Headache, Impairment of vision

Repeated exposure may cause skin dryness or cracking.

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

No data available

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**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**Water spray jet, Carbon dioxide (CO<sub>2</sub>), Foam, Extinguishing powder.**Unsuitable extinguishing media**

no restriction

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

Combustible liquids

Highly flammable.

Hazardous combustion products

In case of fire may be liberated: Carbon dioxide, Carbon monoxide

Vapours are heavier than air, spread along floors and form explosive mixtures with air.

Beware of reignition.

Heating causes rise in pressure with risk of bursting.

**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

Wear full chemical protective clothing.

In case of fire and/or explosion do not breathe fumes.

**Additional information**

Use water spray jet to protect personnel and to cool endangered containers.

Move undamaged containers from immediate hazard area if it can be done safely.

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures****General advice**

Keep away from sources of ignition - No smoking.

This material can be ignited by heat, sparks, flames, or other sources of ignition (e.g., static electricity, pilot lights, mechanical/electrical equipment, and electronic devices such as cell phones, computers, calculators, and pagers which have not been certified as intrinsically safe).

Take action to prevent static discharges.

**For non-emergency personnel**

Provide adequate ventilation.

Use personal protection equipment.

Avoid contact with skin, eyes and clothes.

Remove persons to safety.

Emergency procedures

Consult an expert

Do not breathe dust/fume/gas/mist/vapours/spray.

**For emergency responders**

Precautionary statements For emergency responders : Personal protection equipment: see section 8

**6.2. Environmental precautions**

Do not allow uncontrolled discharge of product into the environment. Danger of explosion

Do not allow to enter into surface water or drains.

The vapour of the product is heavier than air and may accumulate below ground level, in pits, channels and basements in higher concentration.

Danger of explosion

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

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**For containment**

- Cover drains.
- Prevent spread over a wide area (e.g. by containment or oil barriers).
- Collect in closed and suitable containers for disposal.
- Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

**For cleaning up**

- Clean contaminated articles and floor according to the environmental legislation.

**Other information**

- Provide adequate ventilation.
- Do not breathe dust/fume/gas/mist/vapours/spray.
- Wear breathing apparatus if exposed to vapours/dusts/aerosols.

**6.4. Reference to other sections**

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

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

- Avoid exposure - obtain special instructions before use.
- If handled uncovered, arrangements with local exhaust ventilation have to be used.
- Read label before use. Handle and open container with care.
- When using do not eat, drink, smoke, sniff. Keep container tightly closed.
- Use personal protection equipment. Use extractor hood (laboratory).
- Do not breathe gas/fumes/vapour/spray. Provide adequate ventilation.

**Advice on protection against fire and explosion**

- Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges.
- Vapours can form explosive mixtures with air.

**Advice on general occupational hygiene**

- Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.
- The choice of body protection depends on the concentration and quantity of hazardous substances. The chemical resistance of protective agents must be clarified with their suppliers.

**Further information on handling**

- Take off immediately all contaminated clothing and wash it before reuse.
- Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. If handled uncovered, arrangements with local exhaust ventilation have to be used.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

- Keep in a cool, well-ventilated place.
- Keep container tightly closed. Keep locked up. Store in a place accessible by authorized persons only. Provide adequate ventilation as well as local exhaust at critical locations. Keep in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

**Hints on joint storage**

- Do not store together with: Oxidising agent. Pyrophoric or self-heating substances.
- national regulations

**Further information on storage conditions**

- Keep cool. Protect from sunlight.
- storage temperature: +5°C - +30°C

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

Laboratory chemicals

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Occupational exposure limits**

| CAS No  | Substance      | ppm | mg/m <sup>3</sup> | fib/cm <sup>3</sup> | Category  | Origin |
|---------|----------------|-----|-------------------|---------------------|-----------|--------|
| 67-56-1 | Methyl alcohol | 200 | 260               |                     | TWA (8 h) |        |

**Biological limit values**

| CAS No  | Substance | Parameter | Value   | Test material | Sampling time |
|---------|-----------|-----------|---------|---------------|---------------|
| 67-56-1 | Methanol  | Methanol  | 15 mg/L | Urine         | End of shift  |

**DNEL/DMEL values**

| CAS No                   | Substance | Exposure route | Effect   | Value                 |
|--------------------------|-----------|----------------|----------|-----------------------|
| 67-56-1                  | methanol  |                |          |                       |
| Consumer DNEL, acute     |           | inhalation     | systemic | 50 mg/m <sup>3</sup>  |
| Worker DNEL, long-term   |           | inhalation     | systemic | 260 mg/m <sup>3</sup> |
| Worker DNEL, acute       |           | inhalation     | systemic | 260 mg/m <sup>3</sup> |
| Worker DNEL, long-term   |           | inhalation     | local    | 260 mg/m <sup>3</sup> |
| Worker DNEL, acute       |           | inhalation     | local    | 260 mg/m <sup>3</sup> |
| Worker DNEL, long-term   |           | dermal         | systemic | 40 mg/kg bw/day       |
| Worker DNEL, acute       |           | dermal         | systemic | 40 mg/kg bw/day       |
| Consumer DNEL, long-term |           | inhalation     | systemic | 50 mg/m <sup>3</sup>  |
| Consumer DNEL, long-term |           | inhalation     | local    | 50 mg/m <sup>3</sup>  |
| Consumer DNEL, acute     |           | inhalation     | local    | 50 mg/m <sup>3</sup>  |
| Consumer DNEL, long-term |           | dermal         | systemic | 8 mg/kg bw/day        |
| Consumer DNEL, acute     |           | dermal         | systemic | 8 mg/kg bw/day        |
| Consumer DNEL, long-term |           | oral           | systemic | 8 mg/kg bw/day        |
| Consumer DNEL, acute     |           | oral           | systemic | 8 mg/kg bw/day        |

**PNEC values**

| CAS No   | Substance | Value     |
|--|-----------|-----------|
| 67-56-1  | methanol  |           |
| Freshwater                                       |           | 20,8 mg/l |
| Freshwater (intermittent releases)               |           | 1540 mg/l |
| Marine water                                     |           | 2,08 mg/l |
| Freshwater sediment                              |           | 77 mg/kg  |
| Marine sediment                                  |           | 7,7 mg/kg |
| Micro-organisms in sewage treatment plants (STP) |           | 100 mg/l  |
| Soil   |           | 100 mg/kg |

**8.2. Exposure controls**

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**Appropriate engineering controls**

Technical measures and the application of suitable work processes have priority over personal protection equipment.

If handled uncovered, arrangements with local exhaust ventilation have to be used.

Do not breathe gas/fumes/vapour/spray.

**Individual protection measures, such as personal protective equipment****Eye/face protection**

goggles

**Hand protection**

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. 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. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Protective gloves are recommended Company KCL GmbH, D-36124 Eichenzell, email: [vertrieb@kcl.de](mailto:vertrieb@kcl.de) With specification (test according to EN374):

By long-term hand contact

Trade name/designation: KCL 898 Butoject®

Recommended material: Butyl caoutchouc (butyl rubber) 0,7 mm

Wearing time with permanent contact: > 480 min

By short-term hand contact

Trade name/designation: KCL 890 Vitoject®

Recommended material: FKM (fluoro rubber) 0,7 mm

Wearing time with occasional contact (splashes): > 120 min

The breakthrough times stated above were determined by KCL in laboratory tests acc. to EN374 with samples of the recommended glove types. This recommendation applies only to the product stated in the safety data sheet (>, <) supplied by us and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves (e.g. KCL GmbH, D-36124 Eichenzell, Internet: [www.kcl.de](http://www.kcl.de)).

**Skin protection**

Flame-retardant protective clothing. Wear anti-static footwear and clothing

Take off immediately all contaminated clothing and wash it before reuse.

Wear fire resistant or flame retardant clothing.

Wash hands and face before breaks and after work and take a shower if necessary.

Draw up and observe skin protection programme.

**Respiratory protection**

Respiratory protection necessary at: aerosol or mist formation

Filtering device with filter or ventilator filtering device of type: AX

The entrepreneur has to ensure that maintenance, cleaning and testing of respiratory protective devices are carried out according to the instructions of the producer. These measures have to be properly documented.

**Environmental exposure controls**

Do not allow to enter into surface water or drains.

Due to danger of explosion, prevent leakage of vapours into cellars, flues and ditches.

Danger of explosion

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## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|   |                   |
|---|-------------------|
| Physical state:   | Liquid            |
| Colour:   | colourless        |
| Odour:  | characteristic    |
| Odour threshold:  | No data available |
| Melting point/freezing point:                             | -98 °C            |
| Boiling point or initial boiling point and boiling range: | 64,7 °C           |
| Flammability:   | not applicable    |
| Lower explosion limits:                                   | 5,5 vol. %        |
| Upper explosion limits:                                   | 44 vol. %         |
| Flash point:  | 9,7 °C            |
| Auto-ignition temperature:                                | 420 °C            |
| Decomposition temperature:                                | not determined    |
| pH-Value:   | No data available |
| Viscosity / kinematic:                                    | No data available |
| Solubility in other solvents                              |                   |
| not determined  |                   |
| Partition coefficient n-octanol/water:                    | log Pow: -0,77    |
| Vapour pressure:  | 128 hPa           |
| (at 20 °C)  |                   |
| Vapour pressure:  | 546,6 hPa         |
| (at 50 °C)  |                   |
| Density:  | 0,792 g/cm³       |
| Bulk density:   | No data available |
| Relative vapour density:                                  | No data available |

### 9.2. Other information

#### Information with regard to physical hazard classes

##### Explosive properties

Vapours can form explosive mixtures with air.

##### Sustained combustibility:

Sustained combustibility

##### Self-ignition temperature

Solid:

not applicable

Gas:

not applicable

##### Oxidizing properties

not determined

#### Other safety characteristics

|                          |                   |
|--------------------------|-------------------|
| Evaporation rate:        | No data available |
| Solvent separation test: | No data available |
| Solvent content:         | 100%              |
| Solid content:           | No data available |
| Sublimation point:       | No data available |
| Softening point:         | No data available |
| Pour point:              | No data available |
| No data available:       |                   |
| Viscosity / dynamic:     | 0,597 mPa·s       |
| (at 20 °C)               |                   |
| Flow time:               | No data available |



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**Further Information**

No data available

**SECTION 10: Stability and reactivity****10.1. Reactivity**

Highly flammable.

Vapours can form explosive mixtures with air.

**10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

**10.3. Possibility of hazardous reactions**

Oxidising agent, Nitrogen oxides (NOx), Potassium chlorate, peroxides, for example hydrogen peroxide, Nitric acid, sulphuric acid, sodium hypochlorite, Acid halogen, Acetic anhydride, Maleic anhydride, Reducing agent, Acid, Bromine, Chlorine, Chloroform, Fluorine, Alkali metals, Alkaline earth metal;

Risk of explosion with: Oxidizing agents, perchloric acid, perchlorates, salts of oxyhalogenic acids, chromium(VI) oxide, halogen oxides, nitrogen oxides, nonmetallic oxides, chromosulfuric acid, chlorates, hydrides, zinc diethyl, halogens, powdered magnesium, hydrogen peroxide, Nitric acid, sulphuric acid, permanganic acid,

sodium hypochlorite Exothermic reaction with: acid halides, Acid anhydrides, Reducing agents, acids, Bromine, Chlorine, Chloroform, magnesium, tetrachloromethane, CYANURIC CHLORIDE Risk of ignition or formation of

flammable gases or vapours with: Fluorine, Oxides of phosphorus, Raney-nickel Generates dangerous gases or fumes in contact with: Alkaline earth metals, Alkali metals

**10.4. Conditions to avoid**

Vapours can form explosive mixtures with air.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

**10.5. Incompatible materials**

Plastic articles

Zinc

**10.6. Hazardous decomposition products**

SECTION 5: Firefighting measures

**Further information**

No data available

**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Toxicokinetics, metabolism and distribution**

Avoid exposure - obtain special instructions before use.

**Acute toxicity**

Toxic if inhaled.

Toxic in contact with skin.

Toxic if swallowed.

Irritation to respiratory tract

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| CAS No  | Chemical name           |                 |         |  |  |
|---------|-------------------------|-----------------|---------|--|--|
|         | Exposure route          | Dose            | Species | Source                                   | Method                                   |
| 67-56-1 | methanol                |                 |         |  |  |
|         | oral                    | LD50 6000 mg/kg | Monkey  | Amer J Ophthalmol 40: 76-83 (cited in DG | Determination of the acute toxicity of t |
|         | dermal                  | ATE 300 mg/kg   |         |  |  |
|         | inhalation (4 h) vapour | LC50 128,2 mg/l | Rat     | Study report (1980)                      | Study performed according to internal co |
|         | inhalation dust/mist    | ATE 0,5 mg/l    |         |  |  |

**Irritation and corrosivity**

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Serious eye damage/eye irritation: Based on available data, the classification criteria are not met.

Has degreasing effect on the skin.

**Sensitising effects**

Based on available data, the classification criteria are not met.

**Carcinogenic/mutagenic/toxic effects for reproduction**

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

**STOT-single exposure**Causes damage to organs. (methanol)  
eyes, central nervous system**STOT-repeated exposure**

Based on available data, the classification criteria are not met.

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**Information on likely routes of exposure**

No data available

**Specific effects in experiment on an animal**

No data available

**Additional information on tests**

No data available

**Practical experience**

No data available

**11.2. Information on other hazards****Endocrine disrupting properties**

No data available

**Other information**

Irritation to respiratory tract

Repeated exposure may cause skin dryness or cracking.

Causes damage to organs.

Organs affected:

Liver and kidney damage

eyes

heart

Irreversible damage to the optic nerve.

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## Further information

Irritant, Dizziness, Dizziness, Anaesthetic state, Agitation, Spasms, Inebriation, Vomiting, Headache, Impairment of vision  
Repeated exposure may cause skin dryness or cracking.  
The substance has delayed effects.  
Other dangerous properties cannot be excluded.

## SECTION 12: Ecological information

## 12.1. Toxicity

Based on available data, the classification criteria are not met.

| CAS No  | Chemical name            |                      |           |                                 |  |  |
|---------|--------------------------|----------------------|-----------|---------------------------------|--|--|
|         | Aquatic toxicity         | Dose                 | [h]   [d] | Species                         | Source                                   | Method                                   |
| 67-56-1 | methanol                 |                      |           |                                 |  |  |
|         | Acute fish toxicity      | LC50 15400 mg/l      | 96 h      | Lepomis macrochirus             | Bulletin of Environmental Contamination  | other: EPA-660/3-75-009, 1975            |
|         | Acute algae toxicity     | ErC50 ca. 22000 mg/l | 96 h      | Pseudokirchneriella subcapitata | Ecotoxicology and Environmental Safety 7 | OECD Guideline 201                       |
|         | Acute crustacea toxicity | EC50 > 10000 mg/l    | 48 h      | Daphnia magna                   | Water Research 23(4): 495-499 (1989)     | other: DIN 38412 Teil 11                 |
|         | Fish toxicity            | NOEC 446,7 mg/l      | 28 d      | Pimephales promelas             | SAR and QSAR in Environmental Research,  | Calculation performed with ECOSAR        |
|         | Crustacea toxicity       | NOEC 208 mg/l        | 21 d      | Daphnia magna                   | OECD QSAR Toolbox Report (2013)          | Toxicity of the target chemical is predi |

## 12.2. Persistence and degradability

99 %; 30 d  
OECD 301D  
Readily biodegradable (according to OECD criteria).

## 12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

## Partition coefficient n-octanol/water

| CAS No  | Chemical name | Log Pow |
|---------|---------------|---------|
| 67-56-1 | methanol      | -0,77   |

## BCF

| CAS No  | Chemical name | BCF | Species         | Source               |
|---------|---------------|-----|-----------------|----------------------|
| 67-56-1 | methanol      | 1   | Cyprinus carpio | Comparative Biochemi |

## 12.4. Mobility in soil

The product has not been tested.

## 12.5. Results of PBT and vPvB assessment

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

## 12.6. Endocrine disrupting properties

This substance does not have endocrine disrupting properties with respect to non-target organisms.

## 12.7. Other adverse effects

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Avoid release to the environment.

#### Further information

Do not allow to enter into surface water or drains.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Disposal recommendations

Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

Send to a physico-chemical treatment facility under observation of official regulations.

Do not allow to enter into surface water or drains.

##### Contaminated packaging

This material and its container must be disposed of as hazardous waste.

Handle contaminated packages in the same way as the substance itself.

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

### SECTION 14: Transport information

#### Land transport (ADR/RID)

|  |          |
|--|----------|
| <b>14.1. UN number or ID number:</b>     | UN 1230  |
| <b>14.2. UN proper shipping name:</b>    | METHANOL |
| <b>14.3. Transport hazard class(es):</b> | 3        |
| <b>14.4. Packing group:</b>              | II       |
| Hazard label:                            | 3+6.1    |
| Classification code:                     | FT1      |
| Special Provisions:                      | 279      |
| Limited quantity:                        | 1 L      |
| Excepted quantity:                       | E2       |
| Transport category:                      | 2        |
| Hazard No:                               | 336      |
| Tunnel restriction code:                 | D/E      |

#### Inland waterways transport (ADN)

|  |          |
|--|----------|
| <b>14.1. UN number or ID number:</b>     | UN 1230  |
| <b>14.2. UN proper shipping name:</b>    | METHANOL |
| <b>14.3. Transport hazard class(es):</b> | 3        |
| <b>14.4. Packing group:</b>              | II       |
| Hazard label:                            | 3+6.1    |
| Classification code:                     | FT1      |
| Special Provisions:                      | 279 802  |
| Limited quantity:                        | 1 L      |
| Excepted quantity:                       | E2       |

#### Marine transport (IMDG)

|  |          |
|--|----------|
| <b>14.1. UN number or ID number:</b>     | UN 1230  |
| <b>14.2. UN proper shipping name:</b>    | METHANOL |
| <b>14.3. Transport hazard class(es):</b> | 3        |
| <b>14.4. Packing group:</b>              | II       |
| Hazard label:                            | 3+6.1    |
| Special Provisions:                      | 279      |
| Limited quantity:                        | 1 L      |
| Excepted quantity:                       | E2       |
| EmS:                                     | F-E, S-D |

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

|  |          |
|--|----------|
| <b>14.1. UN number or ID number:</b>     | UN 1230  |
| <b>14.2. UN proper shipping name:</b>    | METHANOL |
| <b>14.3. Transport hazard class(es):</b> | 3        |
| <b>14.4. Packing group:</b>              | II       |
| Hazard label:                            | 3+6.1    |
| Special Provisions:                      | A113     |
| Limited quantity Passenger:              | 1 L      |
| Passenger LQ:                            | Y341     |
| Excepted quantity:                       | E2       |
| IATA-packing instructions - Passenger:   | 352      |
| IATA-max. quantity - Passenger:          | 1 L      |
| IATA-packing instructions - Cargo:       | 364      |
| IATA-max. quantity - Cargo:              | 60 L     |

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**14.6. Special precautions for user**

Warning: Combustible liquid. Toxic.

**14.7. Maritime transport in bulk according to IMO instruments**

not applicable

## SECTION 15: Regulatory information

**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 40, Entry 69

Information according to Directive 2012/18/EU (SEVESO III): 22 Methanol (67-56-1)

Additional information: H2, P5c

**National regulatory information**

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water hazard class (D): 2 - obviously hazardous to water

Skin resorption/Sensitization: Permeates easily through outer skin and causes poisoning.

## SECTION 16: Other information

**Changes**

This data sheet contains changes from the previous version in section(s): 1,2,9,11,12,15.

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#### Abbreviations and acronyms

Flam. Liq. 2: Flammable liquids, hazard category 2  
 Acute Tox. 3: Acute toxicity, hazard category 3  
 STOT SE 1: Specific target organ toxicity - single exposure, hazard category 1  
 ADR: Accord européen sur le transport des marchandises dangereuses par Route  
 (European Agreement concerning the International Carriage of Dangerous Goods by Road )  
 IMDG: International Maritime Code for Dangerous Goods  
 IATA: International Air Transport Association  
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 ELINCS: European List of Notified Chemical Substances  
 CAS: Chemical Abstracts Service  
 LC50: Lethal concentration, 50%  
 LD50: Lethal dose, 50%

#### Relevant H and EUH statements (number and full text)

|                |   |
|----------------|---|
| H225           | Highly flammable liquid and vapour.                     |
| H301           | Toxic if swallowed.                                     |
| H301+H311+H331 | Toxic if swallowed, in contact with skin or if inhaled. |
| H311           | Toxic in contact with skin.                             |
| H331           | Toxic if inhaled.                                       |
| H370           | Causes damage to organs (eyes, central nervous system). |
| H370           | Causes damage to organs.                                |

#### Further Information

Provide appropriate information, instructions and training to users  
 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.  
 The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights.  
 The receiver of our product is singularly responsible for adhering to existing laws and regulations.