

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### Ethanol 40 vol. % pure according to VDLUFA method book III, chapter 7.2.1

Revision date: 25.08.2021

Product code: 07125

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

##### 1.1. Product identifier

Ethanol 40 vol. % pure according to VDLUFA method book III, chapter 7.2.1

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

###### Use of the substance/mixture

Laboratory chemical

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

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

###### Uses advised against

Do not use for private purposes (household).

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

|                         |                                 |                              |
|-------------------------|---------------------------------|------------------------------|
| Company name:           | Fa. Bernd Kraft GmbH            |                              |
| Street:                 | Stempelstraße 6                 |                              |
| Place:                  | D-47167 Duisburg                |                              |
| Telephone:              | 0203/5194-0                     | Telefax: 0203/5194-290       |
| e-mail:                 | info@berndkraft.de              |                              |
| Contact person:         | Abteilung Produktsicherheit     | Telephone: 0203/5194-107/117 |
| e-mail:                 | produktsicherheit@berndkraft.de |                              |
| Internet:               | www.berndkraft.de               |                              |
| Responsible Department: | Abteilung Produktsicherheit     |                              |

##### 1.4. Emergency telephone number:

For Hazardous Materials [or Dangerous Goods] Incidents Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night Within USA and Canada: 1-800-424-9300 Outside USA and Canada: +1 703-741-5970 (collect calls accepted)

##### Further Information

This product is a mixture. REACH Registration Number see section 3.

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Regulation (EC) No 1272/2008

Flam. Liq. 3; H226

Full text of hazard statements: see SECTION 16.

##### 2.2. Label elements

###### Regulation (EC) No 1272/2008

Signal word: Warning

Pictograms:



###### Hazard statements

H226 Flammable liquid and vapour.

###### Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

##### 2.3. Other hazards

No information available.

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**SECTION 3: Composition/information on ingredients**

**3.2. Mixtures**

**Hazardous components**

| CAS No  | Chemical name                                 |              |                  | Quantity    |
|---------|---|--------------|------------------|-------------|
|         | EC No   | Index No     | REACH No         |             |
|         | Classification (Regulation (EC) No 1272/2008) |              |                  |             |
| 64-17-5 | ethanol                                       |              |                  | 40 - < 45 % |
|         | 200-578-6                                     | 603-002-00-5 | 01-2119457610-43 |             |
|         | Flam. Liq. 2, Eye Irrit. 2; H225 H319         |              |                  |             |

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  |             |
| 64-17-5 | 200-578-6 | ethanol   | 40 - < 45 % |
|         |           | inhalation: LC50 = 124,7 mg/l (vapours); oral: LD50 = 10470 mg/kg Eye Irrit. 2; H319: >= 50 - 100 |             |

**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**

No data available

**After inhalation**

Provide fresh air.

**After contact with skin**

Wash immediately with: Water

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

**After contact with eyes**

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.

Rinse mouth immediately and drink plenty of water.

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

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

Irritant

Dizziness

The product causes narcotic-like effects.

Inebriation

Vomiting

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

No data available

**SECTION 5: Firefighting measures**

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**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 liquid.

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

Hazardous combustion products In case of fire may be liberated: Carbon dioxide (CO<sub>2</sub>) Carbon monoxide

Beware of reignition.

**5.3. Advice for firefighters**

Remove persons to safety. Do not inhale explosion and combustion gases.

Avoid contact with skin, eyes and clothes.

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

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

**Additional information**

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

Suppress gases/vapours/mists with water spray jet.

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

**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

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 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**

**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.

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**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**

- 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.
- Do not breathe vapour/aerosol.
- Provide adequate ventilation.

**Advice on protection against fire and explosion**

Take action to prevent static discharges. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

**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.

**Further information on handling**

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

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

**Requirements for storage rooms and vessels**

Keep container tightly closed. 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.

**Further information on storage conditions**

Vapours may form explosive mixtures with air.  
storage temperature +5°C - +30°C.

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

Laboratory use Laboratory chemical

**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 |
|---------|---------------|------|-------------------|---------------------|---------------|--------|
| 64-17-5 | Ethyl alcohol | 1000 | -                 |                     | STEL (15 min) |        |

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**DNEL/DMEL values**

| CAS No                   | Substance      |          |                       |
|--------------------------|----------------|----------|-----------------------|
| DNEL type                | Exposure route | Effect   | Value                 |
| 64-17-5                  | ethanol        |          |                       |
| Worker DNEL, long-term   | inhalation     | systemic | 950 mg/m <sup>3</sup> |
| Worker DNEL, long-term   | dermal         | systemic | 343 mg/kg bw/day      |
| Consumer DNEL, long-term | inhalation     | systemic | 114 mg/m <sup>3</sup> |
| Consumer DNEL, long-term | dermal         | systemic | 206 mg/kg bw/day      |
| Consumer DNEL, long-term | oral           | systemic | 87 mg/kg bw/day       |

**PNEC values**

| CAS No   | Substance  |  |
|--|------------|--|
| Environmental compartment                        | Value      |  |
| 64-17-5  | ethanol    |  |
| Freshwater                                       | 0,96 mg/l  |  |
| Freshwater (intermittent releases)               | 2,75 mg/l  |  |
| Marine water                                     | 0,79 mg/l  |  |
| Freshwater sediment                              | 3,6 mg/kg  |  |
| Marine sediment                                  | 2,9 mg/kg  |  |
| Secondary poisoning                              | 380 mg/kg  |  |
| Micro-organisms in sewage treatment plants (STP) | 580 mg/l   |  |
| Soil   | 0,63 mg/kg |  |

**8.2. Exposure controls**

**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.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection**

Suitable eye protection: goggles.

**Hand protection**

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 897 Butoject®

Suitable material: Butyl caoutchouc (butyl rubber) 0,3 mm

Wearing time with permanent contact: > 480 min

By short-term hand contact

Trade name/designation: KCL 720 Camapren®

Suitable material: CR (polychloroprene, chloroprene rubber) 0,65 mm

Wearing time with occasional contact (splashes): > 60 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)).

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**Skin protection**

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

**Respiratory protection**

In case of inadequate ventilation wear respiratory protection.  
Wear breathing apparatus if exposed to vapours/dusts/aerosols.

**Environmental exposure controls**

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

**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 |

**Changes in the physical state**

|   |                   |
|---|-------------------|
| Melting point/freezing point:                             | No data available |
| Boiling point or initial boiling point and boiling range: | No data available |
| Sublimation point:  | No data available |
| Softening point:  | No data available |
| Pour point:   | No data available |
| No data available:  |                   |
| Flash point:  | ~29 °C            |

**Flammability**

|               |                |
|---------------|----------------|
| Solid/liquid: | not applicable |
| Gas:          | not applicable |

**Explosive properties**

Vapours can form explosive mixtures with air.

|                            |                   |
|----------------------------|-------------------|
| Lower explosion limits:    | No data available |
| Upper explosion limits:    | No data available |
| Auto-ignition temperature: | No data available |

**Self-ignition temperature**

|        |                |
|--------|----------------|
| Solid: | not applicable |
| Gas:   | not applicable |

Decomposition temperature: not determined

pH-Value: No data available

Viscosity / dynamic: No data available

Viscosity / kinematic: No data available

Flow time: No data available

Water solubility: easily soluble

**Solubility in other solvents**

not determined

Dissolution rate: No data available

Partition coefficient n-octanol/water: No data available

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|                           |                          |
|---------------------------|--------------------------|
| Dispersion stability:     | No data available        |
| Vapour pressure:          | No data available        |
| Vapour pressure:          | No data available        |
| Density:                  | 0,9481 g/cm <sup>3</sup> |
| Relative density:         | No data available        |
| Bulk density:             | No data available        |
| Relative vapour density:  | not determined           |
| Particle characteristics: | No data available        |

**9.2. Other information**

**Information with regard to physical hazard classes**

|                        |                       |
|------------------------|-----------------------|
| Sustaining combustion: | Sustaining combustion |
| Oxidizing properties   |                       |
| Not oxidising.         |                       |

**Other safety characteristics**

|                          |                   |
|--------------------------|-------------------|
| Solvent separation test: | No data available |
| Solvent content:         | No data available |
| Solid content:           | 0                 |
| Evaporation rate:        | not determined    |

**Further Information**

No data available

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

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

**10.4. Conditions to avoid**

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Vapours can form explosive mixtures with air.

**10.5. Incompatible materials**

Rubber articles  
Plastic articles

**10.6. Hazardous decomposition products**

Hazardous combustion products  
In case of fire may be liberated: Carbon dioxide (CO<sub>2</sub>), Carbon monoxide

**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**

There are no data available on the mixture itself.

**Acute toxicity**

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

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| CAS No  | Chemical name           |                  |         |                     |                    |
|---------|-------------------------|------------------|---------|---------------------|--------------------|
|         | Exposure route          | Dose             | Species | Source              | Method             |
| 64-17-5 | ethanol                 |                  |         |                     |                    |
|         | oral                    | LD50 10470 mg/kg | Rat     | Study report (1976) | OECD Guideline 401 |
|         | inhalation (4 h) vapour | LC50 124,7 mg/l  | Rat     | Study report (1980) | OECD Guideline 403 |

**Irritation and corrosivity**

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

**Sensitising effects**

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

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

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

**STOT-single exposure**

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

**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**

There are no data available on the mixture itself.

**Specific effects in experiment on an animal**

There are no data available on the mixture itself.

**Additional information on tests**

There are no data available on the mixture itself.

**Practical experience**

There are no data available on the mixture itself.

**11.2. Information on other hazards**

**Endocrine disrupting properties**

There are no data available on the mixture itself.

**Other information**

- Irritant
- Dizziness
- The product causes narcotic-like effects.
- Inebriation
- Vomiting

**Further information**

Prolonged or repeated skin contact may cause removal of natural fat from the skin resulting in dermatitis (skin inflammation).

**SECTION 12: Ecological information**

**12.1. Toxicity**

There are no data available on the mixture itself.



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| CAS No  | Chemical name            |                      |           |                                 |   |  |
|---------|--------------------------|----------------------|-----------|---------------------------------|---|--|
|         | Aquatic toxicity         | Dose                 | [h]   [d] | Species                         | Source                                    | Method                                   |
| 64-17-5 | ethanol                  |                      |           |                                 |   |  |
|         | Acute fish toxicity      | LC50 15400 mg/l      | 96 h      | Lepomis macrochirus             | Bulletin of Environmental Contamination   | other: EPA-660/3-75-00 9, 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                 |
|         | Algae toxicity           | NOEC 5400 mg/l       | 5 d       | Skeletonema costatum            | Environ Toxicol Chem 8(5):451-455. (1989) | Study to determine the sensitivity of a  |
|         | Crustacea toxicity       | NOEC 2 mg/l          | 10 d      | Ceriodaphnia dubia              | Arch Environ Contam Toxicol 20(2):211-21  | Follows the basic methodology for the th |

**12.2. Persistence and degradability**

There are no data available on the mixture itself.

**12.3. Bioaccumulative potential**

There are no data available on the mixture itself.

**Partition coefficient n-octanol/water**

| CAS No  | Chemical name | Log Pow |
|---------|---------------|---------|
| 64-17-5 | ethanol       | -0,77   |

**BCF**

| CAS No  | Chemical name | BCF | Species         | Source               |
|---------|---------------|-----|-----------------|----------------------|
| 64-17-5 | ethanol       | 1   | Cyprinus carpio | Comparative Biochemi |

**12.4. Mobility in soil**

There are no data available on the mixture itself.

**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.

There are no data available on the mixture itself.

**12.6. Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

There are no data available on the mixture itself.

**12.7. Other adverse effects**

Do not empty into drains.

**Further information**

Avoid release to the environment.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Disposal recommendations**

Do not allow to enter into surface water or drains.

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

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

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**Contaminated packaging**

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

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

**SECTION 14: Transport information**

**Land transport (ADR/RID)**

|  |   |
|--|---|
| <b>14.1. UN number or ID number:</b>     | UN 1170                                   |
| <b>14.2. UN proper shipping name:</b>    | ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION) |
| <b>14.3. Transport hazard class(es):</b> | 3   |
| <b>14.4. Packing group:</b>              | III                                       |
| Hazard label:                            | 3   |
| Classification code:                     | F1  |
| Special Provisions:                      | 144 601                                   |
| Limited quantity:                        | 5 L                                       |
| Excepted quantity:                       | E1  |
| Transport category:                      | 3   |
| Hazard No:                               | 30  |
| Tunnel restriction code:                 | D/E                                       |

**Inland waterways transport (ADN)**

|  |   |
|--|---|
| <b>14.1. UN number or ID number:</b>     | UN 1170                                   |
| <b>14.2. UN proper shipping name:</b>    | ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION) |
| <b>14.3. Transport hazard class(es):</b> | 3   |
| <b>14.4. Packing group:</b>              | III                                       |
| Hazard label:                            | 3   |
| Classification code:                     | F1  |
| Special Provisions:                      | 144 601                                   |
| Limited quantity:                        | 5 L                                       |
| Excepted quantity:                       | E1  |

**Marine transport (IMDG)**

|  |   |
|--|---|
| <b>14.1. UN number or ID number:</b>     | UN 1170                                   |
| <b>14.2. UN proper shipping name:</b>    | ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION) |
| <b>14.3. Transport hazard class(es):</b> | 3   |
| <b>14.4. Packing group:</b>              | III                                       |
| Hazard label:                            | 3   |
| Special Provisions:                      | 144, 223                                  |
| Limited quantity:                        | 5 L                                       |
| Excepted quantity:                       | E1  |
| EmS:                                     | F-E, S-D                                  |

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

|  |   |
|--|---|
| <b>14.1. UN number or ID number:</b>     | UN 1170                                   |
| <b>14.2. UN proper shipping name:</b>    | ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION) |
| <b>14.3. Transport hazard class(es):</b> | 3   |
| <b>14.4. Packing group:</b>              | III                                       |
| Hazard label:                            | 3   |
| Special Provisions:                      | A3 A58 A180                               |
| Limited quantity Passenger:              | 10 L                                      |
| Passenger LQ:                            | Y344                                      |
| Excepted quantity:                       | E1  |
| IATA-packing instructions - Passenger:   | 355                                       |
| IATA-max. quantity - Passenger:          | 60 L                                      |
| IATA-packing instructions - Cargo:       | 366                                       |
| IATA-max. quantity - Cargo:              | 220 L                                     |

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**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**14.6. Special precautions for user**

Warning: Combustible liquid.

**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

Information according to 2012/18/EU (SEVESO III): P5c FLAMMABLE LIQUIDS

**National regulatory information**

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D): 1 - slightly hazardous to water

**15.2. Chemical safety assessment**

For this substance a chemical safety assessment has not been carried out.

**SECTION 16: Other information**

**Abbreviations and acronyms**

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%

**Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]**

| Classification     | Classification procedure |
|--------------------|--------------------------|
| Flam. Liq. 3; H226 | On basis of test data    |

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

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H319 Causes serious eye irritation.

**Further Information**

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.

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according to Regulation (EC) No 1907/2006

### **Ethanol 40 vol. % pure according to VDLUFA method book III, chapter 7.2.1**

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*