



**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**K-1XXTM-E, Ethanol, wasserfrei, Ph. Eur.**

Print date: 03.02.2020

Product code: K-1XXTM-E

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**Hazardous components**

| EC No        | Chemical name   | Quantity      |
|--------------|---|---------------|
| CAS No       | Classification according to Directive 67/548/EEC                |               |
| Index No     | Classification according to Regulation (EC) No. 1272/2008 [CLP] |               |
| REACH No     |   |               |
| 200-578-6    | ethanol; ethyl alcohol  | 95 - <= 100 % |
| 64-17-5      | F - Highly flammable R11  |               |
| 603-002-00-5 | Flam. Liq. 2; H225  |               |

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

**SECTION 4: First aid measures****4.1. Description of first aid measures****After inhalation**

Provide fresh air.

**After contact with skin**

After contact with skin, wash immediately with: Water. Change contaminated clothing.

**After contact with eyes**

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

**After ingestion**

If swallowed, immediately drink: Water.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**Water. Carbon dioxide (CO<sub>2</sub>). Foam. Extinguishing powder.**5.2. Special hazards arising from the substance or mixture**

Combustible. Vapours may form explosive mixtures with air.

**5.3. Advice for firefighters**

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

**Additional information**

Use water spray jet to protect personnel and to cool endangered containers. Contaminated fire-fighting water must be collected separately. Do not allow to enter into surface water or drains.

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

Remove all sources of ignition. Provide adequate ventilation.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains. Explosion hazard.

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

Treat the recovered material as prescribed in the section on waste disposal.

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

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**Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking.

**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 sources of ignition  
- No smoking.**Hints on joint storage**

Do not store together with: Material, rich in oxygen, oxidizing.

**Further information on storage conditions**Maximum storage temperature: + 30 °C  
Protect against: Light.**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Exposure limits (EH40)**

| CAS No  | Substance | ppm  | mg/m <sup>3</sup> | fibres/ml | Category  | Origin |
|---------|-----------|------|-------------------|-----------|-----------|--------|
| 64-17-5 | Ethanol   | 1000 | 1920              |           | TWA (8 h) | WEL    |

**8.2. Exposure controls****Protective and hygiene measures**

Change contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**Physical state: liquid  
Colour: colourless**Test method****Changes in the physical state**Melting point: -114 °C  
Initial boiling point and boiling range: 78 °C  
Flash point: 12 °C  
Lower explosion limits: 3,5 vol. %  
Upper explosion limits: 15 vol. %  
Vapour pressure: 58 hPa  
(at 20 °C)  
Vapour pressure: 293 hPa  
(at 50 °C)  
Density: 0,79 g/cm<sup>3</sup>**SECTION 10: Stability and reactivity****10.4. Conditions to avoid**

Keep away from heat. Ignition hazard.

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**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute toxicity**

| CAS No  | Chemical name             |        |            |         |   |
|---------|---------------------------|--------|------------|---------|---|
|         | Exposure route            | Method | Dose       | Species | h |
| 64-17-5 | ethanol; ethyl alcohol    |        |            |         |   |
|         | Acute oral toxicity       | LD50   | 6200 mg/kg | Rat     |   |
|         | Acute inhalation toxicity | LC50   | 95,6 mg/l  | Rat     | 4 |

**Additional information on tests**

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

**SECTION 12: Ecological information****12.1. Toxicity**

| CAS No  | Chemical name            |        |                   |               |      |
|---------|--------------------------|--------|-------------------|---------------|------|
|         | Aquatic toxicity         | Method | Dose              | Species       | h    |
| 64-17-5 | ethanol; ethyl alcohol   |        |                   |               |      |
|         | Acute crustacea toxicity | EC50   | 9268 - 14221 mg/l | Daphnia magna | 48 h |

**12.3. Bioaccumulative potential****Partition coefficient n-octanol/water**

| CAS No  | Chemical name          | Log Pow |
|---------|------------------------|---------|
| 64-17-5 | ethanol; ethyl alcohol | -0,31   |

**Further information**

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Advice on disposal**

Dispose of waste according to applicable legislation.

**Contaminated packaging**

Water (with cleaning agent). Completely emptied packages can be recycled.

**SECTION 14: Transport information****Land transport (ADR/RID)**

|  |         |
|--|---------|
| <b>14.1. UN number:</b>                  | 1170    |
| <b>14.2. UN proper shipping name:</b>    | Ethanol |
| <b>14.3. Transport hazard class(es):</b> | 3       |
| <b>14.4. Packing group:</b>              | II      |

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Hazard label: 3

**Inland waterways transport (ADN)**

**14.1. UN number:** 1170  
**14.2. UN proper shipping name:** Ethanol  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II

Hazard label: 3

**Marine transport (IMDG)**

**14.1. UN number:** 1170  
**14.2. UN proper shipping name:** Ethanol  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II

Hazard label: 3

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

**UN/ID number:** 1170  
**14.2. UN proper shipping name:** Ethanol  
**14.3. Transport hazard class(es):** 3  
**14.4. Packing group:** II

Hazard label: 3

**Other applicable information**

This product is part of a kit. Information in this section refers to the kit as a whole.

UN No.: 3316

Official directive for the transport: Chemical kit

Class: 9

Packing Group: II

Label: 3; 8; 9

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

1999/13/EC (VOC): 99,5 %

**National regulatory information**

Water contaminating class (D): 1 - slightly water contaminating

**SECTION 16: Other information****Relevant R phrases (number and full text)**

11 Highly flammable.

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

H225 Highly flammable liquid and vapour.