

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Ethanol, Ph. Eur.

Print date: 17.01.2020

Product code: K-62XTM-E

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3.1. Substances**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 (CO₂). 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 ³	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:

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:
(at 20 °C) 58 hPaVapour pressure:
(at 50 °C) 293 hPaDensity: 0,79 g/cm³**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

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

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)**

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

Inland waterways transport (ADN)

14.1. UN number:	1170
14.2. UN proper shipping name:	ETHANOL
14.3. Transport hazard class(es):	3

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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

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.