

# Safety data sheet

## according to Regulation (EC) No 1907/2006, Article 31

Printing date 29.01.2025

Version number 104.12 (replaces version 104.11)

Revision: 29.01.2025

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

#### 1.1 Product identifier

**Trade name** Ethanol 96% vg. MEK/ IPA/BITREX**Article number:** 1004618700001**UFI:** JKY2-N2W9-X00N-NP8X

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

**Restrictions on use:**

Restrictions on use according to REGULATION (EC) No 1907/2006 ANNEX XVII apply to this product (see section 15).

**Application of the substance / the mixture**

Solvents

Additive for cosmetic or pharmaceutical preparations

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

**Manufacturer/Supplier:**

STOCKMEIER Chemie GmbH &amp; Co.KG, Am Stadtholz 37, DE - 33609 Bielefeld

Tel.: +49 521 / 30 37-0, ehs-bielefeld@stockmeier.de

STOCKMEIER Fluids GmbH &amp; Co. KG, Sanssouci 12, DE – 58802 Balve

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BASSERMANN Minerals GmbH &amp; Co. KG, Rudolf-Diesel-Straße 42, DE – 68169 Mannheim

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Tel.: +43 15 32 0 999, office@hds-chemie.at

www.stockmeier.com

**Informing department:**

Product safety department. Tel.: 0049 / 521 / 3037-381

E-mail: ehs-bielefeld@stockmeier.de

**1.4 Emergency telephone number:**

This is an English-language document designed for the European region. For the emergency number and other country-specific data, please refer to the specific national versions of this safety data sheet.

Counselling Centre for Poisoning, Mainz

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Tel. (+49) 61 31 / 19 240.

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## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

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

Flam. Liq. 2 H225 Highly flammable liquid and vapour.

Eye Irrit. 2 H319 Causes serious eye irritation.

### 2.2 Label elements

#### Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

#### Hazard pictograms



GHS02 GHS07

Signal word Danger

#### Hazard statements

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

#### Precautionary statements

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

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P370+P378 In case of fire: Use CO<sub>2</sub>, powder or water spray to extinguish.

P403+P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

#### Additional information:

According to the current state of knowledge, no synthetic polymer microparticles &gt; 0.01% are contained.

### 2.3 Other hazards

#### Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Determination of endocrine-disrupting properties Not applicable.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Description: Mixture of the following substances with non-hazardous additions.

#### Dangerous components:

CAS: 64-17-5	ethanol	50-100%
EINECS: 200-578-6	Flam. Liq. 2, H225; Eye Irrit. 2, H319	
Reg.nr.: 01-2119457610-43	Specific concentration limit: Eye Irrit. 2; H319: C ≥ 50 % substance with a Community workplace exposure limit	

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CAS: 67-63-0 EINECS: 200-661-7 Reg.nr.: 01-2119457558-25	propan-2-ol Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336 substance with a Community workplace exposure limit	≤1%
CAS: 78-93-3 EINECS: 201-159-0 Reg.nr.: 01-2119457290-43	2-Butanone Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336, EUH066 substance with a Community workplace exposure limit	≤1%

**SVHC**

This preparation does not contain any substances of very high concern (SVHC) in a concentration of  $\geq 0.1$  % according to Regulation (EC) 1907/2006, Article 57.

**Additional information** For the wording of the listed hazard phrases refer to section 16.

## SECTION 4: First aid measures

**4.1 Description of first aid measures****General advice:**

Instantly remove any clothing soiled by the product.

If unconscious, position and transport in stable lateral position.

**After inhalation** Supply fresh air; consult doctor in case of symptoms.

**After skin contact**

Remove contaminated clothing immediately. Wash affected areas with plenty of water und soap. If irritation continues, contact a doctor.

**After eye contact**

Rinse immediately opened eye for several minutes under running water. Then consult doctor.

**After swallowing**

Rinse out mouth and then drink plenty of water.

Do not induce vomiting.

**Information for doctor**

Inhalation of vapors may cause pulmonary edema. Dexamethasone therapy.

Cleaning of the stomach should only be carried out with endotracheal intubation. Danger of aspiration.

Renew lipid coating of the skin in order to protect against dermatitis. Symptomatic treatment.

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

Dizziness, double vision and other typical symptoms of alcoholic intoxication. Vomiting, unconsciousness.

Irritation of skin, eyes and airways.

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

No further relevant information available.

## SECTION 5: Firefighting measures

**5.1 Extinguishing media****Suitable extinguishing agents**

CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

**For safety reasons unsuitable extinguishing agents**

Water with a full water jet.

Water.

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

Can form explosive gas-air mixtures. In case of incomplete combustion carbon monoxide can arise.

Fumes are heavier than air and distributed over ground. Inflammation is possible from a far distance.

Avoid contact with combustible substances

**5.3 Advice for firefighters**

**Protective equipment:** Wear full protective suit with self-contained breathing apparatus.

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**Additional information**

If possible, remove product off fire area (danger of bursting).

Keep people at a distance and stay on the windward side.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

Cool endangered containers in the vicinity with a water spray jet.

## SECTION 6: Accidental release measures

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

Put on protective equipment and keep unprotected persons away.

Extinguish naked flames. Remove flammable sources. No smoking. Avoid sparks. Avoid contact with skin, eyes and clothing. Avoid inhalation of fumes. Air contaminated rooms thoroughly. Protect against electrostatic sparks.

**6.2 Environmental precautions:**

Prevent material from reaching sewage system, holes and cellars.

Do not allow to enter drainage system, surface or ground water.

In case of release of larger quantities, inform competent authorities.

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

Large spillages: contain and pump into containers

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Ensure adequate ventilation.

Do not flush with water or aqueous cleansing agents

Dispose of contaminated material as waste according to point 13.

**6.4 Reference to other sections**

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

Danger of explosion

## SECTION 7: Handling and storage

**7.1 Precautions for safe handling**

Ensure good ventilation/extraction at the workplace.

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

Avoid contact with eyes or skin.

Keep containers tightly sealed.

Ensure good ventilation/exhaustion at the workplace. Avoid repeated or long-term skin contact.

Prevent formation of aerosols.

**Information about protection against explosions and fires:**

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

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

Protect against direct sunlight, other sources of heat and ignition.

Store in cool, dry conditions in well sealed containers.

**Requirements to be met by storerooms and containers:**

Observe laws and regulations on the storage and use of substances hazardous to water.

Unsuitable material for container: aluminium.

**Information about storage in one common storage facility:**

Store away from oxidising agents.

According to guidelines of the VbF, flammable liquids should not be stored together.

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**Further information about storage conditions:**

Keep container tightly sealed.

Observe regulations / technical rules for the storage of flammable liquids.

**Storage class 3** Flammable liquids (TRGS 510, Storage of dangerous substances in portable containers)**7.3 Specific end use(s)** No further relevant information available.

## SECTION 8: Exposure controls/personal protection

**8.1 Control parameters****Components with critical values that require monitoring at the workplace:****64-17-5 ethanol**

AGW (Germany)	Long-term value: 380 mg/m <sup>3</sup> , 200 ppm 4(II);DFG, Y
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**67-63-0 propan-2-ol**

AGW (Germany)	Long-term value: 500 mg/m <sup>3</sup> , 200 ppm 2(II);DFG, Y
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**78-93-3 2-Butanone**

AGW (Germany)	Long-term value: 600 mg/m <sup>3</sup> , 200 ppm 1(I);DFG, EU, H, Y
IOELV (EU)	Short-term value: 900 mg/m <sup>3</sup> , 300 ppm Long-term value: 600 mg/m <sup>3</sup> , 200 ppm

**DNELs****64-17-5 ethanol**

Oral	DNEL (population)	87 mg/kg bw/day (Long-term, systemic effects)
Dermal	DNEL (worker)	8238 mg/kg bw/day (Long-term, systemic effects)
Inhalative	DNEL (worker)	380 mg/m <sup>3</sup> (Long-term, systemic effects)
	DNEL (population)	114 mg/m <sup>3</sup> (Long-term, systemic effects)

**67-63-0 propan-2-ol**

Oral	DNEL (population)	51 mg/kg bw/day (Acute, systemic effects) 26 mg/kg bw/day (Long-term, systemic effects)
	DNEL (worker)	888 mg/kg bw/day (Long-term, systemic effects)
Dermal	DNEL (population)	319 mg/kg bw/day (Long-term, systemic effects)
	DNEL (worker)	1000 mg/m <sup>3</sup> (Acute, systemic effects) 500 mg/m <sup>3</sup> (Long-term, systemic effects)
Inhalative	DNEL (population)	178 mg/m <sup>3</sup> (Acute, systemic effects) 89 mg/m <sup>3</sup> (Long-term, systemic effects)

**78-93-3 2-Butanone**

Oral	DNEL (population)	31 mg/kg bw/day (Long-term, systemic effects)
Dermal	DNEL (worker)	1161 mg/kg bw/day (Long-term, systemic effects)
	DNEL (population)	412 mg/kg bw/day (Long-term, systemic effects)
Inhalative	DNEL (worker)	600 mg/m <sup>3</sup> (Long-term, systemic effects)
	DNEL (population)	106 mg/m <sup>3</sup> (Long-term, systemic effects)

**PNECs****64-17-5 ethanol**

PNEC water	2,75 mg/l (intermittent releases)
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PNEC sediment	0,96 mg/l (freshwater) 0,79 mg/l (marine water) 3,6 mg/kg dw (freshwater) 2,9 mg/kg dw (marine water)
PNEC soil	0,63 mg/kg dw (soil)
PNEC STP	580 mg/l (sewage plant)
<b>78-93-3 2-Butanone</b>	
PNEC water	55,8 mg/l (freshwater) 55,8 mg/l (marine water)
PNEC sediment	284,74 mg/kg dw (freshwater) 284,7 mg/kg dw (marine water)
PNEC soil	22,5 mg/kg dw (soil)
PNEC STP	709 mg/l (sewage plant)
<b>Ingredients with biological limit values:</b>	
<b>67-63-0 propan-2-ol</b>	
BGW (Germany)	25 mg/l Untersuchungsmaterial: Vollblut Probennahmezeitpunkt: Expositionsende bzw. Schichtende Parameter: Aceton  25 mg/l Untersuchungsmaterial: Urin Probennahmezeitpunkt: Expositionsende bzw. Schichtende Parameter: Aceton
<b>78-93-3 2-Butanone</b>	
BGW (Germany)	2 mg/l Untersuchungsmaterial: Urin Probennahmezeitpunkt: Expositionsende bzw. Schichtende Parameter: 2-Butanon

**Additional information:** The lists that were valid during the compilation were used as basis.

### 8.2 Exposure controls

#### Appropriate engineering controls

Room ventilation or extraction. Measures against electrostatic charging.

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

##### General protective and hygienic measures

Keep away from food, beverages and fodder.

Instantly remove any soiled and impregnated garments.

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes and skin.

Gases, fumes and aerosols should not be inhaled.

##### Breathing equipment:

In case of brief exposure or low pollution use breathing filter apparatus. In case of intensive or longer exposure use breathing apparatus that is independent of circulating air.

**Recommended filter device for short term use:** Combination filter A-P2

##### Hand protection

Protective gloves (EN 374).

Check the permeability prior to each renewed use of the glove.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

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Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**Material of gloves**

Butyl rubber, BR

Fluorocarbon rubber (Viton)

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material**

Material of gloves is recommended for a short-term single use to protect from splashes. For permanent usage contact manufacturer of gloves.

Change gloves if notice sign of disenchantment.

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**For the permanent contact gloves made of the following materials are suitable:**

Attention! Due to conditions (stressing, temperature) the practical usage of chemical protective gloves may be much shorter than the permeation time according to EN 374.

Fluorocarbon rubber (Viton) with 0,7 mm coating thickness (recommended: protective index 6, corresponding to > 480 minutes of permeation time according to EN 374).

**As protection from splashes gloves made of the following materials are suitable:**

Chloroprene rubber, CR, recommended thickness of the material:  $\geq 0,5$  mm, penetration time:  $\geq 30$  min.

**Eye/face protection** Tightly sealed safety glasses.

**Body protection:** Chemical protective clothing (solvent resistant, flame retardant, antistatic)

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

**General Information**
**Physical state**

Liquid

**Colour:**

Colourless

**Smell:**

Alcohol-like

**Odour threshold:**

Not determined

**Melting point/freezing point:**

Not determined

**Boiling point or initial boiling point and boiling range**

78 °C (64-17-5 ethanol)

**Flammability**

Highly flammable.

**Lower and upper explosion limit**
**Lower:**

1,8 Vol %

**Upper:**

15 Vol %

**Flash point:**

13 °C

**Auto-ignition temperature:**

425 °C

**Decomposition temperature:**

Not determined.

**pH**

Mixture is non-soluble (in water).

**pH-value:**
**Viscosity:**
**Kinematic viscosity**

Not determined.

**dynamic:**

Not determined.

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**Solubility**

<b>Water:</b>	Fully miscible
<b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
<b>Vapour pressure at 20 °C:</b>	57 hPa (64-17-5 ethanol)
<b>Vapour pressure at 50 °C:</b>	280 hPa
<b>Density and/or relative density</b>	
<b>Density at 20 °C</b>	0,79 g/cm <sup>3</sup>
<b>Relative density</b>	Not determined
<b>Vapour density</b>	Not determined

**9.2 Other information****Appearance:****Form:** Fluid**Important information on protection of health and environment, and on safety.****Self-inflammability:**

Product is not selfigniting.

**Explosive properties:**

Product is not explosive. However, formation of explosive air/steam mixtures is possible.

**Evaporation rate**

Not determined

**Information with regard to physical hazard classes**

<b>Explosives</b>	Void
<b>Flammable gases</b>	Void
<b>Aerosols</b>	Void
<b>Oxidising gases</b>	Void
<b>Gases under pressure</b>	Void
<b>Flammable liquids</b>	Highly flammable liquid and vapour.
<b>Flammable solids</b>	Void
<b>Self-reactive substances and mixtures</b>	Void
<b>Pyrophoric liquids</b>	Void
<b>Pyrophoric solids</b>	Void
<b>Self-heating substances and mixtures</b>	Void
<b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
<b>Oxidising liquids</b>	Void
<b>Oxidising solids</b>	Void
<b>Organic peroxides</b>	Void
<b>Corrosive to metals</b>	Void
<b>Desensitised explosives</b>	Void

**SECTION 10: Stability and reactivity****10.1 Reactivity** No further relevant information available.**10.2 Chemical stability****Thermal decomposition / conditions to be avoided:**

Can be distilled without decomposing at normal pressure

**10.3 Possibility of hazardous reactions**

Reacts with strong oxidizing agents

Formation of explosive steam/air mixture likely.

**10.4 Conditions to avoid** To avoid: warmth, flames, sparks

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**10.5 Incompatible materials:**

strong oxidising agents

Strong acids

Aluminium, zinc and other light metals.

**10.6 Hazardous decomposition products:**

Formation of carbon monoxide and carbon dioxide in case of fire.

## SECTION 11: Toxicological information

**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**

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

**LD/LC50 values that are relevant for classification:****64-17-5 ethanol**

Oral	LD50	10470 mg/kg (rat) (OECD 401)
Dermal	LD50	>2000 mg/kg (rabbit) (OECD 402)
Inhalative	LC 50 / 4 h	>50 mg/l (rat) (OECD 403) >20 mg/l (mouse)

**67-63-0 propan-2-ol**

Oral	LD50	5840 mg/kg (rat) (OECD 401)
Dermal	LD50	16400 mg/kg (rabbit) (OECD 402) 13900 mg/kg (rat) (OECD 402)
Inhalative	LC 50 / 4 h	>10000 mg/l (rat) (OECD 403)

**78-93-3 2-Butanone**

Oral	LD50	3300 mg/kg (rat)
Dermal	LD50	5000 mg/kg (rabbit)
Inhalative	LC 50 / 4 h	34,5 mg/l (rat) 40 mg/l (mouse)

**Primary irritant effect:****Skin corrosion/irritation** Slight irritant effect on skin and mucous membranes**Serious eye damage/irritation**

Causes serious eye irritation.

**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.**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** 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.**Subacute to chronic toxicity:** Can lead to liver damage**STOT-repeated exposure:****64-17-5 ethanol**

Oral	NOAEL	1760 mg/kg (rat) (OECD 408, 90 d, target organ: liver)
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**67-63-0 propan-2-ol**

Oral	NOAEL	900 mg/kg (rat) ((90d) OECD 408)
	NOAEL	853 mg/kg bw/day /90d (rat)

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**Additional toxicological information:**

irritant

Hochkonzentrierter Ethanol reizt die Schleimhäute der Augen sowie der Atem- und Verdauungswege. Dämpfe in hohen Konzentrationen können Müdigkeit und Schwindelgefühl verursachen.

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

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

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

None of the ingredients is listed.

\* **SECTION 12: Ecological information****12.1 Toxicity****Aquatic toxicity:****64-17-5 ethanol**

LC 50 / 48 h	8140 mg/l (Leuciscus idus)
EC 50 / 48 h	>10000 mg/l (Daphnia magna)
EC 50 / 72 h	275 mg/l (Chlorella vulgaris) (OECD 201)

**67-63-0 propan-2-ol**

LC 50 / 96 h	>10000 mg/l (Pimephales promelas) (OECD 203 (Acute toxicity - fish))
LC 50 / 48 h	>100 mg/l (Leuciscus idus)
EC 50 / 48 h	>100 mg/l (Daphnia magna)
EC 50 / 16 h	1050 mg/l (Pseudomonas putida) (DIN 38412 T.8)
EC 50 / 72 h	>100 mg/l (Scenedesmus subspicatus)

**78-93-3 2-Butanone**

LC 50 / 96 h	>3000 mg/l (fish)
EC 50 / 48 h	1382 mg/l (Daphnia)

**12.2 Persistence and degradability****64-17-5 ethanol**

Biodegradability &gt;70 % /5d (OECD 301 D)

**67-63-0 propan-2-ol**

Biodegradability	49 % /BOD/ThBOD
Biodegradability	53 % /5 d, BSB5/CS (92/69/EG (L383) C.5 * Abbaubarkeit)
CSB	2,23 mg O2/g (Methode : Verordnung (EC) Nr. 440/2008, Anhang, C.)
BSB5	1,72 mg O2/g (Methode : Verordnung (EC) Nr. 440/2008, Anhang, C.)

**12.3 Bioaccumulative potential** No further relevant information available.**12.4 Mobility in soil** No further relevant information available.**12.5 Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

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**12.7 Other adverse effects****Respiratory inhibition of communal activated sludge EC 20 (mg/l according to ISO 8192 B):****64-17-5 ethanol**

EC 50 (static) &gt;100 mg/l (Chlorella pyrenoidosa) (OECD 201)

**Additional ecological information:****General notes:**

Do not allow to enter drainage system, surface or ground water

Water hazard class 1 (Self-assessment): slightly hazardous for water.

## SECTION 13: Disposal considerations

**13.1 Waste treatment methods**

The note below refers to the product left as it is and not to further processed products. When mixed with other products, other disposal routes may be required; if in doubt, consult the supplier of the product or the local authority.

**Recommendation**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

If possible, send to be recycled, otherwise burn or deposit in a certified facility.

Contaminated water to separate by separator and dispose off in line with administrative regulations.

**Waste disposal key number:**

Since 1 January 1999, the waste code numbers have not only been product-related but essentially application-related. The waste code number valid for the application can be taken from the European Waste Catalogue.

**Uncleaned packagings:** Disposal in accordance with official regulations.**Recommendation:**

Empty containers completely and send them cleaned for reconditioning or recycling. Dispose of containers only in consultation with local authorities.

**Development:** After optimal emptying, immediately return to the supplier tightly closed and without cleaning. Make sure that no foreign matter gets into the packaging!

Other containers: Empty completely and clean for reconditioning or reprocessing.

Caution: Leftovers in the containers may cause the risk of explosion.

Uncleaned containers should not be perforated, cut or welded.

## SECTION 14: Transport information

**14.1 UN number or ID number****ADR/RID, IMDG, IATA**

UN1170

**14.2 UN proper shipping name****ADR/RID****IMDG****IATA**

1170 ETHANOL (ETHYL ALCOHOL)

ETHANOL (ETHYL ALCOHOL)

ETHANOL

**14.3 Transport hazard class(es)****ADR/RID****Class****Label**

3 (F1) Flammable liquids.

3

**IMDG, IATA****Class**

3 Flammable liquids.

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## Safety data sheet

### according to Regulation (EC) No 1907/2006, Article 31

Printing date 29.01.2025

Version number 104.12 (replaces version 104.11)

Revision: 29.01.2025

Trade name Ethanol 96% vg. MEK/ IPA/BITREX

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<b>Label</b>	3
<b>14.4 Packing group ADR/RID, IMDG, IATA</b>	II
<b>14.5 Environmental hazards: Marine pollutant:</b>	No
<b>14.6 Special precautions for user Kemler Number: EMS Number: Stowage Category</b>	Warning: Flammable liquids. 33 F-E,S-D A
<b>14.7 Maritime transport in bulk according to IMO instruments</b>	Not applicable.
<b>Transport/Additional information:</b>	
<b>ADR/RID Limited quantities (LQ) Excepted quantities (EQ)</b>	1L Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
<b>IMDG Limited quantities (LQ) Excepted quantities (EQ)</b>	1L Código E4 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
<b>UN "Model Regulation":</b>	UN 1170 ETHANOL (ETHYL ALCOHOL), 3, II

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

#### Hazard pictograms



GHS02 GHS07

**Signal word** Danger

#### Hazard statements

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

#### Precautionary statements

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

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

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P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P370+P378 In case of fire: Use CO<sub>2</sub>, powder or water spray to extinguish.

P403+P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Directive 2012/18/EU****Named dangerous substances - ANNEX I** None of the ingredients is listed.**Seveso category** P5c FLAMMABLE LIQUIDS**Qualifying quantity (tonnes) for the application of lower-tier requirements** 5.000 t**Qualifying quantity (tonnes) for the application of upper-tier requirements** 50.000 t**LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (ANNEX XIV)**

None of the ingredients is listed.

**REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3**DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

**REGULATION (EU) 2019/1148****Regulation (EC) No 273/2004 on drug precursors**

78-93-3 | 2-Butanone

3

**Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

78-93-3 | 2-Butanone

3

**National regulations****Information about limitation of use:**

Employment restrictions concerning pregnant and lactating women must be observed.

Employment restrictions concerning young persons must be observed.

Schwangerschaftsgruppe D

**Other regulations, limitations and prohibitive regulations****Substances of very high concern (SVHC) according to REACH, Article 57**

None of the ingredients is listed.

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**SECTION 16: Other information**

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This safety data sheet complies with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

**Application:** Only for industrial applications.**UFI market placements:**

Germany, Bulgaria, Denmark, DKE, ESE, European Union, Finland, SFS, France, Greece, Ireland, ISE, Croatia, Latvia, FL, Lithuania, LTE, Malta, Netherland, Norway, Germany, Poland, Portugal, Romania, Sweden, Slovakia, Slovenia, Spain, Czechia, Cyprus

**Relevant phrases**

Complete wording of hazard statements and risk phrases (H-phrases) mentioned in section 3. These phrases refer to the constituents. The labelling for this product is stated in section 2.

H225 Highly flammable liquid and vapour.

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H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

EUH066 Repeated exposure may cause skin dryness or cracking.

**Department issuing data specification sheet:** See section 1.3: Responding area**Version number of previous version:** 104.11**Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

LEV: Local Exhaust Ventilation

NOAEL: No Observed Adverse Effect Level

RPE: Respiratory Protective Equipment

RCR: Risk Characterisation Ratio (RCR= PEC/PNEC)

ADR: Accord relatif au transport international 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

CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008)

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

TRGS: Technische Regeln für Gefahrstoffe (Technical Rules for Dangerous Substances, BAuA, Germany)

ISO: International Organisation for Standardisation

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

SVHC: Substance of Very High Concern

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 2: Flammable liquids – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

**\* Data compared to the previous version altered.**