

# Safety Data Sheet

## Finsprit Ethylen 96%

Replaces date: 27/03/2019

Revision date: 19/12/2022

Version: 2.0.0

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

#### 1.1. Product identifier

**Trade name:** Finsprit Ethylen 96%

**Synonyms:** Ethanol 96% Ph Eur

**Unique Formula Identifier (UFI):** MS5K-N5G2-3211-GUFR

#### Article no

Article no	Description
201145	1000 ml
201146	5000 ml

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

**Recommended uses:** For professional users only  
Solvent.  
Cleaner

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

##### Supplier

**Company:** KiiltoClean A/S  
**Address:** Frederik Plums Vej 2  
**Zip code:** 5610  
**City:** Assens  
**Country:** DENMARK  
**E-mail:** info.dk@kiilto.com  
**Phone:** +45 64712112  
**Fax:** +45 64712125  
**Homepage:** www.kiilto.dk

#### 1.4. Emergency Telephone Number

Members of the public: 111 (NHS 111 (Scotland: NHS 24)). The emergency telephone is open 24 hours.

### SECTION 2: Hazards identification

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

**CLP-classification:** Flam. Liq. 2;H225 Eye Irrit. 2;H319

**Most serious harmful effects:** Highly flammable liquid and vapour. Causes serious eye irritation.

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### 2.2. Label elements

#### Pictograms


**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.

P403+233

Store in a well-ventilated place. Keep container tightly closed.

P305+351+338

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

### 2.3. Other hazards

The product does not contain any PBT or vPvB substances.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

Substance	CAS No./ EC No./ REACH Reg. No.	Concentration	Notes	CLP-classification
Ethanol	64-17-5 200-578-6 01-2119457610-43-xxxx	≥ 90 %	13, 15	Flam. Liq. 2;H225 Eye Irrit. 2;H319  C ≥ 50%: Eye Irrit. 2;H319

Please see section 16 for the full text of H- / EUH-phrases.

13 = The substance has a national exposure limit.

15 = REACH-registered with a different classification than in Regulation 1272/2008 Appendix VI.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**Inhalation:**

Seek fresh air. Seek medical advice in case of persistent discomfort.

**Ingestion:**

Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Seek medical advice in case of discomfort.

**Skin contact:**

Remove contaminated clothing. Wash the skin with water. Seek medical advice in case of persistent discomfort.

**Eye contact:**

Flush immediately with water (preferably using eye wash equipment) for at least 5 minutes. Open eye wide. Remove any contact lenses. Seek medical advice.

**Burns:**

Flush with water until pain ceases. Remove clothing that is not stuck to the skin - seek medical advice/transport to hospital. If possible, continue flushing until medical attention is obtained.

**General:**

When obtaining medical advice, show the safety data sheet or label.

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

Direct contact: Irritating to eyes. Causes a burning sensation and tearing.

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Degreases and dries the skin. Repeated exposure may cause skin dryness or cracking. The product releases organic solvent vapours which may cause lethargy and dizziness.

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

Treat symptoms. No special immediate treatment required.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

**Suitable extinguishing media:** Extinguish with powder, foam, carbon dioxide or water mist. Use water or water mist to cool non-ignited stock.

**Unsuitable extinguishing media:** Do not use water stream, as it may spread the fire.

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

Product decomposes in fire conditions or when heated to high temperatures, and inflammable and toxic gases may be released. Among other: Carbon monoxide and carbon dioxide. The product is flammable, and heating may generate vapours which may form explosive vapour/air mixtures. Vapours are heavier than air and may spread near ground to sources of ignition.

### 5.3. Advice for firefighters

Move containers from danger area if it can be done without risk. Avoid inhalation of vapour and flue gases - seek fresh air. Wear Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel:** Keep unnecessary personnel away. Stop leak if this can be done without risk. Provide adequate ventilation. Smoking and naked flames prohibited. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. Take precautionary measures against static discharges. Use spark-free tools and explosion proof equipment. Wear safety goggles if there is a risk of eye splash. In case of insufficient ventilation, wear respiratory protective equipment.

**For emergency responders:** In addition to the above: Normal protective clothing equivalent to EN 469 is recommended.

### 6.2. Environmental precautions

Avoid unnecessary release to the environment.

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

Contain and absorb spill with sand or other absorbent, non-combustible material and transfer to suitable waste containers. Wipe up minor spills with a cloth. Provide good ventilation.

### 6.4. Reference to other sections

See section 8 for type of protective equipment. See section 13 for instructions on disposal.

**Other Information:** Minor spillage from single containers is not expected to cause accumulation of vapours in explosive concentrations.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Work under effective process ventilation (e.g. local exhaust ventilation). Do not eat, drink or smoke during work. Wash hands before breaks, before using restroom facilities, and at the end of work. Running water and eye wash equipment must be available.

Smoking and naked flames prohibited. Take precautionary measures against static discharges. Use spark-free tools and

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explosion proof equipment.

A workplace assessment must be conducted to ensure that employees are not exposed to effects that may involve a risk during pregnancy.

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

Store safely and keep out of reach of children. Keep in tightly closed original packaging. Storage temperature: 0-30 °C. The vapours are heavier than air and will spread along the floor. The vapours may form explosive mixtures with air.

### 7.3. Specific end use(s)

None.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limit

Substance name	Time period	ppm	mg/m <sup>3</sup>	fiber/cm <sup>3</sup>	Remarks	Comments
ethanol	8h	1000	1920			

**Measuring methods:** Compliance with the stated occupational exposure limits may be checked by occupational hygiene measurements.

**Legal basis:** EH40/2005 Workplace exposure limits. Last amended January 2020.

### 8.2. Exposure controls

**Appropriate engineering controls:** Wear the personal protective equipment specified below.

**Personal protective equipment, eyeface protection:** Wear safety goggles if there is a risk of eye splash. Eye protection must conform to EN 166.

**Personal protective equipment, skin protection:** Wear suitable protective clothing.

**Personal protective equipment, hand protection:** Wear gloves. Type of material: Nitrile rubber/ Butyl rubber. Breakthrough time has not been determined for the product. Change gloves often. Gloves must conform to EN 374.

**Personal protective equipment, respiratory protection:** Normally not required. In case of insufficient ventilation, wear respiratory protective equipment. Filter type: A. / P. Respiratory protection must conform to one of the following standards: EN 136/140/145.

**Environmental exposure controls:** Ensure compliance with local regulations for emissions.

## SECTION 9: Physical and chemical properties

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

Parameter	Value/unit
State	Liquid
Colour	Clear
Odour	Alcohol
Solubility	Miscible with the following: Water. Alcohols.

Parameter	Value/unit	Remarks
Odour threshold	No data	
Melting point	~ -117.3 °C	
Freezing point	No data	
Initial boiling point and boiling range	~ 78.5 °C	

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Flammability (solid, gas)	No data	
Flammability limits	No data	
Explosion limits	3.3 - 19 vol%	Ethanol
Flash Point	~ 16 °C	
Auto-ignition temperature	~ 425 °C	
Decomposition temperature	No data	
pH (solution for use)	No data	
pH (concentrate)	No data	
Kinematic viscosity	No data	
Viscosity	No data	
Partition coefficient n-octanol/water	No data	
Vapour pressure	5.9 kPa	@ 20 °C
Density	No data	
Relative density	0.807	
Vapour density	1.59	Reference gas: Air = 1
Relative density (sat. air)	No data	
Particle characteristics	No data	

### 9.2. Other information

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reacts with the following: Strong oxidisers.

### 10.2. Chemical stability

The product is stable when used in accordance with the supplier's directions.

### 10.3. Possibility of hazardous reactions

Product vapours are heavier than air and may spread along floors. Vapours may form explosive mixtures with air.

### 10.4. Conditions to avoid

Avoid heating and contact with ignition sources.

### 10.5. Incompatible materials

Strong oxidisers.

### 10.6. Hazardous decomposition products

None, if stored at the recommended storage conditions.

Product decomposes in fire conditions or when heated to high temperatures, and inflammable and toxic gases may be released. Among other: Carbon monoxide and carbon dioxide.

## SECTION 11: Toxicological information

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

#### Acute toxicity - oral

#### Ethanol, cas-no 64-17-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 2000 mg/kg		OECD TG 401	Supplier

Ingestion may cause discomfort. Ingestion may cause similar symptoms to those resulting from inhalation. The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

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### Acute toxicity - dermal

#### Ethanol, cas-no 64-17-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	LD50		> 2000 mg/kg		OECD TG 402	Supplier

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

### Acute toxicity - inhalation

#### Ethanol, cas-no 64-17-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Mouse		4 h	> 20 mg/l			Supplier

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

### Skin corrosion/irritation

#### Ethanol, cas-no 64-17-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	Irritation				OECD TG 404	Supplier

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

### Serious eye damage/eye irritation

#### Ethanol, cas-no 64-17-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit				Moderate eye irritation	OECD TG 405	Supplier

Direct contact: Irritating to eyes. Causes a burning sensation and tearing.

### Respiratory sensitisation or skin sensitisation

#### Ethanol, cas-no 64-17-5

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Guinea Pig				Not sensitizing	OECD TG 406	Supplier

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

**Germ cell mutagenicity:** The product does not have to be classified. Test data are not available.

**Carcinogenic properties:** The product does not have to be classified. Test data are not available.

**Reproductive toxicity:** The product does not have to be classified. Test data are not available.

**Single STOT exposure:** The product does not have to be classified. Test data are not available. The product releases organic solvent vapours which may cause lethargy and dizziness.

**Repeated STOT exposure:** The product does not have to be classified. Test data are not available.

**Aspiration hazard:** The product does not have to be classified. Test data cannot be obtained for technical reasons.

## 11.2. Information on other hazards

**Endocrine disrupting properties:** None known.

**Other toxicological effects:** Degreases and dries the skin. Repeated exposure may cause skin dryness or cracking. The product does not have to be classified. Test data are not available.

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### SECTION 12: Ecological information

#### 12.1. Toxicity

##### Ethanol, cas-no 64-17-5

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish	Leuciscus idus melanotus	48 h		> 100 mg/l			Supplier
Algae or other aquatic plants	Chlorella pyrenoidosa			5000 mg/l			Supplier
Crustacea	Daphnia magna	24 h		> 100 mg/l			Supplier
Bacteria	Pseudomonas putida	16 h		6500 mg/l			Supplier

The product does not have to be classified. Based on existing data, the classification criteria are deemed not to have been met.

#### 12.2. Persistence and degradability

Readily biodegradable.

#### 12.3. Bioaccumulative potential

No bioaccumulation expected.

#### 12.4. Mobility in soil

Soluble in water. The product contains organic solvents which will evaporate easily from all surfaces.

#### 12.5. Results of PBT and vPvB assessment

The product does not contain any PBT or vPvB substances.

#### 12.6. Endocrine disrupting properties

None known.

#### 12.7. Other adverse effects

None known.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Avoid unnecessary release to the environment. Collect spills and waste in closed, leak-proof containers for disposal at the local hazardous waste site.

Wiping cloths with organic solvents: EWC code: 15 02 02 Absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances.

Empty, cleansed packaging should be disposed of for recycling. Uncleansed packaging is to be disposed of via the local waste-removal scheme.

##### Category of waste:

Depending on the end use:

07 07 04\* other organic solvents, washing liquids and mother liquors

16 03 05\* organic wastes containing hazardous substances

18 02 05\* chemicals consisting of or containing hazardous substances

### SECTION 14: Transport information

#### Land transport (ADR/RID)

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<b>14.1. UN number or ID number:</b>	1170	<b>14.4. Packing group:</b>	II
<b>14.2. UN proper shipping name:</b>	ETHANOL	<b>14.5. Environmental hazards:</b>	The product should not be labelled as an environmental hazard (symbol: fish and tree).
<b>14.3. Transport hazard class(es):</b>	3		
<b>Hazard label(s):</b>	3		
<b>Hazard identification number:</b>	33	<b>Tunnel restriction code:</b>	D/E

### Inland water ways transport (ADN)

<b>14.1. UN number or ID number:</b>	1170	<b>14.4. Packing group:</b>	II
<b>14.2. UN proper shipping name:</b>	ETHANOL	<b>14.5. Environmental hazards:</b>	The product should not be labelled as an environmental hazard (symbol: fish and tree).
<b>14.3. Transport hazard class(es):</b>	3		
<b>Hazard label(s):</b>	3		
<b>Transport in tank vessels:</b>			

### Sea transport (IMDG)

<b>14.1. UN number or ID number:</b>	1170	<b>14.4. Packing group:</b>	II
<b>14.2. UN proper shipping name:</b>	ETHANOL	<b>14.5. Environmental hazards:</b>	The product is not a Marine Pollutant (MP).
<b>14.3. Transport hazard class(es):</b>	3	<b>Environmental Hazardous Substance Name(s):</b>	
<b>Hazard label(s):</b>	3		
<b>EmS:</b>	F-E, S-D	<b>IMDG Code segregation group:</b>	- None -

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

<b>14.1. UN number or ID number:</b>	1170	<b>14.4. Packing group:</b>	II
<b>14.2. UN proper shipping name:</b>	ETHANOL	<b>14.5. Environmental hazards:</b>	The product should not be labelled as an environmental hazard (symbol: fish and tree).
<b>14.3. Transport hazard class(es):</b>	3		
<b>Hazard label(s):</b>	3		

### 14.6. Special precautions for user

None.

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

Not applicable.

**Other Information:** May be transported in limited quantities if placed in outer packaging according to ADR 3.4, when max. 1 liter/inner packaging and max. 30 kg total gross mass. Shrink- or stretch wrapped trays may be used and shall not exceed 20 kg total gross mass/tray. May be transported in limited quantities if placed in outer packaging according to IMDG 3.4, when max. 1 liter/inner packaging and max. 30 kg total gross mass. Shrink- or stretch wrapped trays may be used and shall not exceed 20 kg total gross mass/tray.

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

**Special Provisions:** REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE



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COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures (CLP).  
 REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).  
 COMMISSION REGULATION (EU) 2020/878 (SDS).  
 Directive 2012/18/EU (Seveso), P5c FLAMMABLE LIQUIDS: Column 2: 5000 t, Column 3: 50000 t.

European Agreement concerning the International Carriage of Dangerous Goods by Road.  
 Council Directive (EC) on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding.

Council Directive (EC) on the protection of young people at work.

Special care should be applied for employees under the age of 18. Young people under the age of 18 may not carry out any work causing harmful exposure to this product.

### 15.2. Chemical Safety Assessment

**Other Information:** Chemical safety assessments have been performed for the following substances: Ethanol

### SECTION 16: Other information

#### Version history and indication of changes

Version	Revision date	Responsible	Changes
2.0.0	19/12/2022	KiiltoClean A/S (SKP)	2020/878
1.0.0	27/03/2019	Plum A/S (SKP)	New

**Abbreviations:**  
 DNEL: Derived No Effect Level  
 PNEC: Predicted No Effect Concentration  
 STOT: Specific Target Organ Toxicity  
 PBT: Persistent, Bioaccumulative and Toxic  
 vPvB: Very Persistent and Very Bioaccumulative

**References to literature and data sources:** ECHA reg. sub.: ECHA database for information on registered substances.

**Training advice:** A thorough knowledge of this safety data sheet should be a prerequisite condition.

**Date:** 19/12/2022

**Classification method:** Calculation based on the hazards of the known components. Test data.

#### List of relevant H-statements

H225 Highly flammable liquid and vapour.  
 H319 Causes serious eye irritation.

#### SDS is prepared by

Company: KiiltoClean A/S  
 Address: Frederik Plums Vej 2  
 Zip code: 5610  
 City: Assens  
 Country: DENMARK  
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Country: GB