

# 1. Identification of the Substance/Mixture and of the Company

## 1.1 Product Identifier

**Trade name:** Kosmeettinen alkoholi

Cosmetic alcohol mixture: denatured alcohol 92 %, dipropylene glycol, dipropylene glycol monomethyl ether, isopropyl myristate

Ethanol denatured according to Regulation (EU) 2017/1112 by common formula for complete denaturing: per hectolitre (100 L) of absolute ethanol, added 1 litre of isopropyl alcohol (IPA), 1 litre of methyl ethyl ketone (MEK), and 1 gram of denatonium benzoate.

## 1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

External use only.

## 1.3 Details of the Supplier Providing the Safety Data Sheet

**Supplier:** Pieni tuoksukauppa

**Address:** Sahankaari 4, 04430 Järvenpää

**Contact:** tuoksukauppa@gmail.com

Kiireettömissä asioissa 0503507301 (Ma–Pe klo11:00–12:00)

## Emergency Telephone Number

Vaaratilanteissa yleinen hätänumero: 112

Myrkytystietokeskus: 0800 147111

# 2. Hazards Identification

## 2.1 Classification of the Substance or Mixture

**Classification according to Regulation (EC) No. 1272/2008 (CLP):**

- **Flam. Liq. 2, H225:** Highly flammable liquid and vapour.
- **Eye Irrit. 2, H319:** Causes serious eye irritation.

**Classification according to Directive 67/548/EEC or Directive 1999/45/EC:**

- **F; Highly flammable**
- **R11:** Highly flammable.

## 2.2 Label Elements

Labeling according to Regulation (EC) No. 1272/2008 (CLP Regulation):

The product is classified and labelled in accordance with the CLP Regulation.

**Hazard Pictograms:**

**GHS02** (Flame)

**GHS07** (Exclamation mark)

**Signal Word:** Danger

## Hazard Statements:

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

## Precautionary Statements:

- P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- P241: Use explosion-proof electrical/ventilating/lighting equipment.
- P280: Wear protective gloves/protective clothing/eye protection/face protection.
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
- P361: Remove contaminated clothing immediately.
- P337+P313: If eye irritation persists: Get medical advice/attention.
- P403+P233: Store in a well-ventilated place. Keep container tightly closed.

## 2.3 Other Hazards

- **PBT assessment:** Not applicable.
- **vPvB assessment:** Not applicable.

# 3. Composition / Information on Ingredients

## 3.1 Substances:

Not applicable — mixture.

## 3.2 Mixtures

### Description:

Mixture composed of the substances listed below with non-hazardous additives.

### Hazardous Components:

Substance	CAS No.	EC No.	Registration No.	Classification (CLP)	Content
Ethanol (strongly denatured)	64-17-5	200-578-6	01-2119457610-43	Flam. Liq. 2, H225; Eye Irrit. 2, H319	92 %
Non-hazardous additives:					
Dipropylene glycol	25265-71-8	246-770-3	01-2119456811-38	--	5 %
Dipropylene glycol monomethyl ether	34590-94-8	252-104-2	01-2119450011-60-XXXX	--	2 %
Isopropyl myristate	110-27-0	203-751-4	01-2119541806-35-XXXX	--	1 %

# 4. First Aid Measures

## 4.1 Description of First Aid Measures

### General Information:

Remove contaminated clothing immediately.

### After Inhalation:

Ensure fresh air. Seek medical advice if symptoms persist.

If breathing has stopped or is irregular, provide artificial respiration or oxygen and call a doctor immediately.

In case of unconsciousness, place and transport the victim in a stable side position.

**After Skin Contact:**

Remove contaminated clothing immediately.  
Wash affected areas with plenty of water and soap.  
Consult a physician if irritation persists.

**After Eye Contact:**

Rinse opened eye for several minutes under running water.  
Consult an ophthalmologist immediately.

**After Ingestion:**

Rinse mouth and drink plenty of water.  
Do **not** induce vomiting. Seek immediate medical assistance.

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**4.2 Most Important Symptoms and Effects, Both Acute and Delayed**

- Dizziness, double vision, and other typical signs of intoxication.
- Vomiting and loss of consciousness.
- Irritating effects on skin, eyes, and respiratory system.

**4.3 Indication of Any Immediate Medical Attention and Special Treatment Needed**

- Symptomatic treatment (decontamination, maintaining vital functions).
  - No specific antidote known.
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**5. Firefighting Measures****5.1 Extinguishing Media****Suitable Extinguishing Agents:**

- CO<sub>2</sub>, extinguishing powder, or water spray.
- For large fires, use alcohol-resistant foam or water spray.

**Unsuitable Extinguishing Agents for Safety Reasons:**

- Do not use water in a full jet.

**5.2 Special Hazards Arising from the Substance or Mixture**

- Formation of explosive vapour/air mixtures is possible.
- Incomplete combustion may produce carbon monoxide (CO).
- Vapours are heavier than air and may spread along the ground.
- Ignition from a distance is possible.

**5.3 Advice for Firefighters****Protective Equipment:**

- Wear a fully protective suit and self-contained breathing apparatus.

**Additional Information:**

- Cool endangered containers with water spray.
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## **6. Accidental Release Measures**

### **6.1 Personal Precautions, Protective Equipment, and Emergency Procedures**

- Wear appropriate protective equipment. Keep unprotected persons away.
- Eliminate all ignition sources — extinguish naked flames and do not smoke.
- Avoid sparks.
- Avoid contact with skin, eyes, and clothing.
- Do not breathe vapours. Ensure adequate ventilation.
- Take precautions against static discharge.

### **6.2 Environmental Precautions**

- Prevent from entering drains, sewers, basements, and waterways.
- In case of large spills, inform relevant authorities.

### **6.3 Methods and Materials for Containment and Cleaning Up**

- Absorb with liquid-binding material (sand, diatomaceous earth, acid binder, universal binder, sawdust).
- Ensure adequate ventilation.

### **6.4 Reference to Other Sections**

- Explosion hazard exists.
- For information on safe handling see Section 7.
- For personal protection see Section 8.
- For disposal considerations see Section 13.

## **7. Handling and Storage**

### **7.1 Precautions for Safe Handling**

- Keep containers tightly closed.
- Ensure good ventilation or exhaust at the workplace.
- Avoid prolonged or repeated contact with skin.

### **Advice on Protection Against Fire and Explosion:**

- Keep away from ignition sources — do not smoke.

- Take measures against electrostatic discharge.

## 7.2 Conditions for Safe Storage, Including Any Incompatibilities

### Storage Requirements:

- Keep away from direct sunlight and other sources of heat or ignition.
- Store in a cool, dry, and well-ventilated area in tightly closed containers.

### Requirements for Storage Areas and Containers:

- Observe national regulations for storage and use of water-polluting substances.
- Store in a cool place.

### Advice on Common Storage:

- Observe the prohibitions of the Ordinance on Flammable Liquids (VbF).

## 7.3 Specific End Use(s)

No further relevant information available.

# 8. Exposure Controls / Personal Protection

### Additional Information on the Design of Technical Systems:

- Provide adequate room ventilation or local exhaust.
- Take measures against static discharge.

## 8.1 Control Parameters

### Components with Occupational Exposure Limits:

- **Ethanol (CAS 64-17-5, 50–100%)**
  - AGW: 960 mg/m<sup>3</sup>, 500 ml/m<sup>3</sup>
  - Peak Limitation: 2 (II); DFG, Y

### Derived No-Effect Level (DNEL):

Exposure Route	Population	DNEL Value	Effect Type
Oral	General population	87 mg/kg bw/day	Long-term, systemic
Dermal	General population	206 mg/kg bw/day	Long-term, systemic
Dermal	Worker	343 mg/kg bw/day	Long-term, systemic
Inhalation	Worker	950 mg/m <sup>3</sup>	Acute, local
Inhalation	General population	114 mg/m <sup>3</sup>	Long-term, systemic
Inhalation	Worker	1900 mg/m <sup>3</sup>	Acute, local

### Predicted No-Effect Concentration (PNEC):

Compartment	PNEC Value
Freshwater	0.96 mg/L
Marine water	0.79 mg/L
Freshwater sediment	3.6 mg/kg dw
Marine sediment	2.9 mg/kg dw

<b>Compartment</b>	<b>PNEC Value</b>
Soil	0.63 mg/kg dw
Sewage treatment (STP)	580 mg/L

**Additional Notes:**

Based on the lists valid at the time of compilation.

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## **8.2 Exposure Controls**

### **Personal Protective Equipment:**

#### **General Protective and Hygienic Measures:**

- Wash hands before breaks and at the end of work.
- Avoid contact with eyes and skin.
- Do not inhale gases, vapours, or aerosols.
- Keep away from food, drinks, and animal feed.
- Remove contaminated clothing immediately.

#### **Respiratory Protection:**

- Required if ventilation or exhaust is insufficient.

#### **Hand Protection:**

- Protective gloves (nitrile rubber or PVC).

#### **Eye Protection:**

- Tightly fitting safety goggles.

#### **Body Protection:**

- Standard protective clothing.
  - Chemical-resistant safety shoes or boots.
  - If skin contact may occur, wear impermeable protective clothing for this substance.
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## **9. Physical and Chemical Properties**

### **9.1 Information on Basic Physical and Chemical Properties**

#### **General Information:**

- **Appearance:**
  - Form: Liquid
  - Colour: Colourless
- **Odour:** Alcohol-like

- **pH (100 g/L at 20 °C):** Approx. 7.0

**Change in State:**

- **Melting Point/Range:** Not determined
- **Boiling Point/Range:** Approx. 78 °C

**Flash Point:** 14 °C

**Self-Ignition:** The product is not self-igniting.

**Explosion Hazard:**

The product itself is not explosive; however, the formation of explosive vapour/air mixtures is possible.

**Explosion Limits:**

- Lower: 3.5 Vol %

**Vapour Pressure (at 20 °C):** 50-52 mbar

**Density (at 20 °C):** 0.815 g/cm<sup>3</sup>

**Solubility/Miscibility with Water:** Fully miscible

**Viscosity (dynamic at 20 °C):** 1.3-1.4 mPa·s

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## **10. Stability and Reactivity**

### **10.1 Reactivity:**

No hazardous reactions if handled and stored properly.

### **10.2 Chemical Stability:**

- Distillable under normal pressure without decomposition.
- Avoid heat, flames, and sparks.

### **10.3 Possibility of Hazardous Reactions:**

- Reacts with strong oxidising agents.

### **10.4 Conditions to Avoid:**

- Heat, flames, sparks.

### **10.5 Incompatible Materials:**

- Strong oxidising agents.
- Strong acids.

### **10.6 Hazardous Decomposition Products:**

- In case of fire: carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>).
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## 11. Toxicological Information

### 11.1 Information on Toxicological Effects

#### Acute Toxicity:

#### Relevant LD/LC50 Values:

- **Ethanol (CAS 64-17-5):**
  - Oral LD<sub>50</sub> (rat): 7060 mg/kg
  - Dermal LD<sub>50</sub> (rabbit): >2000 mg/kg
  - Inhalation LC<sub>50</sub> (4 h): >20 mg/L (rat)

#### Primary Irritant Effect:

- **On Skin:** Slightly irritating to skin and mucous membranes.
- **On Eyes:** Irritating effect.
- **Sensitisation:** No sensitising effects known.

#### Subacute to Chronic Toxicity:

- Prolonged exposure may cause liver damage.

#### Additional Toxicological Information:

- Inhalation of concentrated vapours or oral intake may lead to narcotic effects, headaches, dizziness, and similar symptoms.
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## 12. Ecological Information

### 12.1 Toxicity

#### Aquatic Toxicity:

- **Ethanol (CAS 64-17-5):**
  - EC<sub>50</sub> (48 h, *Daphnia magna*): >10,000 mg/L
  - LC<sub>50</sub> (48 h, *Leuciscus idus*): 8140 mg/L

#### 12.2 Persistence and Degradability:

- The product is readily biodegradable.
- Biological degradability (BOD<sub>5</sub> at 20 °C): Ethanol = 71%

#### 12.3 Bioaccumulative Potential:

- Soluble in water; evaporates from aqueous solution.
- Bioaccumulation not expected.

#### 12.4 Mobility in Soil:

- No further relevant information available.

### **Additional Ecological Information:**

- Do not allow product to enter groundwater, surface water, or sewage system.
- **Water hazard class (self-assessment):** WGK 1 – Slightly hazardous to water.

### **12.5 Results of PBT and vPvB Assessment:**

- **PBT:** Not applicable.
- **vPvB:** Not applicable.

### **12.6 Other Adverse Effects:**

- No further relevant information available.
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## **13. Disposal Considerations**

### **13.1 Waste Treatment Methods**

#### **Recommendation:**

- The following information applies to the product in its unaltered state.
- Mixing with other materials may require different disposal methods.
- In case of doubt, contact the supplier or local authority.
- Do not dispose of together with household waste.
- Do not allow product to reach sewage systems.
- If possible, recycle. Otherwise, incinerate or dispose of in an approved facility.

#### **Waste Code:**

- Waste codes under the European Waste Catalogue depend on product use and process application.

#### **Uncleaned Packaging:**

- Dispose of in accordance with official regulations.

#### **Recommendation for Packaging:**

- **Returnable containers:** After complete emptying, close tightly and return to supplier without cleaning. Ensure no contamination of containers.
- **Other containers:** Empty completely and send for reconditioning or recycling.
  - **Warning:** Residues may present an explosion hazard.
  - Do not cut, pierce, or weld uncleaned containers.

#### **Recommended Cleaning Agents:**

- Water, possibly with added cleaning agents.
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## 14. Transport Information

### 14.1 UN Number:

- ADR, IMDG, IATA: 1170

### 14.2 UN Proper Shipping Name:

- ADR: 1170 ETHANOL (ETHYL ALCOHOL)
- IMDG: ETHANOL (ETHYL ALCOHOL)
- IATA: ETHANOL

### 14.3 Transport Hazard Class(es):

- ADR: Class 3 (F1) – Flammable liquids
  - Label: 3
- IMDG, IATA: Class 3 – Flammable liquids
  - Label: 3

### 14.4 Packing Group:

- ADR, IMDG, IATA: II

### 14.5 Environmental Hazards:

- Not applicable.

### 14.6 Special Precautions for User:

- Warning: Flammable liquids.
- Hazard identification number (Kemler Code): 33
- EMS Code: F-E, S-E

### 14.7 Transport in Bulk According to Annex II of MARPOL and the IBC Code:

- Not applicable.

### Additional Transport Information:

- ADR: UN1170, ETHANOL (ETHYL ALCOHOL), 3, II
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## 15. Regulatory Information

### 15.1 Safety, Health, and Environmental Regulations/Legislation Specific for the Substance or Mixture

#### National Regulations:

- Observe employment restrictions for pregnant and breastfeeding women.
- **Major Accident Ordinance:** Group 7 – Highly flammable liquids. Observe quantity thresholds.
- **Classification under the Industrial Safety Regulation (BetrSichV):** Highly flammable.
- **Technical Instruction Air (TA-Luft):**

### **Class Percentage**

NK 50–100%

- **Water Hazard Class (WGK):** 1 (self-assessment) – Slightly hazardous to water.

### **15.2 Chemical Safety Assessment:**

- A chemical safety assessment has not been carried out.
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## **16. Other Information**

The information is based on the present state of our knowledge but does not constitute a guarantee of specific product properties and shall not form a legally binding contractual relationship.

### **Relevant Hazard Statements (Full Text):**

- **H225:** Highly flammable liquid and vapour.
- **H319:** Causes serious eye irritation.
- **R11:** Highly flammable.

### **Abbreviations and Acronyms:**

- **RID:** Regulations Concerning the International Transport of Dangerous Goods by Rail
- **ICAO:** International Civil Aviation Organization
- **CLP:** Classification, Labelling and Packaging Regulation
- **REACH:** Registration, Evaluation, Authorisation and Restriction of Chemicals

### **Note:**

Information has been revised compared to the previous version.

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