

Trade name: Alcohol isopropylicus

Substance number: 155300

Version: 8 / CH

Date revised: 24.11.2025

Replaces Version: 7 / CH

Print date: 24.11.25

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Alcohol isopropylicus

Item No. 15530000

**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of the substance/preparation**

industry

**1.3. Details of the supplier of the safety data sheet****Address/Manufacturer**

Hänseler AG

Industriestrasse 35

9100 Herisau

Telephone no. 0041 (0)71 353 58 58

E-mail address of sdb@haenseler.ch

person responsible  
for this SDS**1.4. Emergency telephone number**

Switzerland :145 / Abroad +41 (0)44 251 51 51

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification (Regulation (EC) No. 1272/2008)**

Classification (Regulation (EC) No. 1272/2008)

Flam. Liq. 2 H225

Eye Irrit. 2 H319

STOT SE 3 H336

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008

For explanation of abbreviations see section 16.

**2.2. Label elements****Labelling according to regulation (EC) No 1272/2008****Hazard pictograms****Signal word**

Danger

**Hazard statements**

H225

Highly flammable liquid and vapour.

H319

Causes serious eye irritation.

H336

May cause drowsiness or dizziness.

**Precautionary statements**

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

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

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

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

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

P501.3 Disposal in compliance with local and national regulations.

**Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)**

contains propan-2-ol

**Reduced labeling (<= 125 ml)****Hazard pictograms****Signal word**

Danger

**2.3. Other hazards**

The Substance does not meet PBT-criteria. This substance does not meet the vPvB-criteria. This substance does not have endocrine disrupting properties with respect to humans. This substance does not have endocrine disrupting properties with respect to non-target organisms.

**SECTION 3: Composition/information on ingredients****Molecular weight**

Value	60.1	g/mol
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**Hazardous ingredients****propan-2-ol**

CAS No.	67-63-0	
EINECS no.	200-661-7	
Registration no.	01-21194557558-25-XXXX	
Concentration	>= 50	%
Classification (Regulation (EC) No. 1272/2008)		
	Flam. Liq. 2	H225
	Eye Irrit. 2	H319
	STOT SE 3	H336

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

Take affected person to fresh air. Remove contaminated, soaked clothing immediately and dispose of safely.

**After inhalation**

Ensure supply of fresh air. Irregular breathing/no breathing: artificial respiration. Heat. In the event of symptoms take medical treatment. If the patient is likely to become unconscious, place and transport in

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stable sideways position.

**After skin contact**

Wash off immediately with soap and water and rinse well. Consult a doctor if skin irritation persists.

**After eye contact**

Separate eyelids, wash the eyes thoroughly with water (15 min.). By continuous complaints consult a physician.

**After ingestion**

Rinse out mouth and give plenty of water to drink. Do not induce vomiting. Summon a doctor immediately.

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

Headache, Dizziness, Nausea, Intoxication, Narcosis

**4.3. Indication of any immediate medical attention and special treatment needed****Hints for the physician / hazards**

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Carbon dioxide, Dry powder, Water spray jet, Extinguish greater fire with water spray or alcohol-resistant foam.

**Non suitable extinguishing media**

Full water jet

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

Carbon monoxide (CO); Can build mixtures of gas and air which are capable of explosion.

**5.3. Advice for firefighters****Special protective equipment for fire-fighting**

Use self-contained breathing apparatus.

**Other information**

Cool endangered containers with water spray jet. Collect contaminated fire-fighting water separately, must not be discharged into the drains.

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

Wear protective equipment. Keep away unprotected persons.

**6.2. Environmental precautions**

Do not discharge into the drains/surface waters/groundwater. Prevent spread over a wide area (e.g. by containment or oil barriers). Advise water authority if spillage has entered water course or drainage system.

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

Ensure adequate ventilation. Take up with absorbent material (eg sand, kieselguhr). When picked up, treat material as prescribed under Section 13 "Disposal".

**SECTION 7: Handling and storage**

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## 7.1. Precautions for safe handling

### Advice on safe handling

Handle and open container with care. Avoid formation of aerosols. Provide good ventilation of working area (local exhaust ventilation if necessary). Provide good room ventilation even at ground level (vapours are heavier than air).

### Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Vapours can form an explosive mixture with air. Take action to prevent static discharges. Use explosion-proof equipment/fittings and non-sparking tools. Risk of explosion if the liquid enters the drains.

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

### Requirements for storage rooms and vessels

explosion proof. Provide solvent-resistant and impermeable floor. Do not use light metal drums.

### Hints on storage assembly

Do not store with oxidizing agents. Do not store with acids.

### Storage classes

Storage class according to TRGS 510	3	Flammable liquid
Storage category (Switzerland)	3	Flammable liquid

### Further information on storage conditions

Keep container tightly closed. Keep container tightly closed, cool and dry. Product is hygroscopic.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limit values

##### propan-2-ol

List	SUVA			
Type	MAK			
Value	500	mg/m <sup>3</sup>	200	ppm(V)
Short term exposure limit	1000	mg/m <sup>3</sup>	400	ppm(V)
Pregnancy group: S Remarks: B SSc; Auge & OAW, ZNS, LeberKT AN; INRS, NIOSH				

#### Derived No/Minimal Effect Levels (DNEL/DMEL)

##### propan-2-ol

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	888	mg/kg/d

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	500	mg/m <sup>3</sup>

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer use	
Duration of exposure	Long term	
Route of exposure	dermal	

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Mode of action	Systemic effects	
Concentration	319	mg/kg/d
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	89	mg/m <sup>3</sup>
Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	oral	
Mode of action	Systemic effects	
Concentration	26	mg/kg

**Predicted No Effect Concentration (PNEC)****propan-2-ol**

Type of value	PNEC	
Type	Freshwater	
Concentration	140.9	mg/l
Type of value	PNEC	
Type	Saltwater	
Concentration	140.9	mg/l
Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	2251	mg/l
Type of value	PNEC	
Type	Sediment	
Concentration	552	mg/kg
Type of value	PNEC	
Type	Soil	
Concentration	28	mg/kg

**8.2. Exposure controls****General protective and hygiene measures**

Wash hands before breaks and after work. Keep away from food-stuffs, beverages and feed-stocks. Do not inhale gases/vapours/aerosols. At work do not eat, drink, smoke or take drugs. Avoid contact with skin and eyes. Hold eye wash fountain available.

**Respiratory protection**

In case of insufficient ventilation, wear suitable respiratory equipment. Breathing apparatus in the event of aerosol or mist formation. At intensive and longer exposition use self-contained breathing apparatus. Gas filter A. combination filter A-P2; EN 141

**Hand protection**

The glove material must be sufficient impermeable and resistant to the substance. Check the tightness before wear. Gloves should be well cleaned before being removed, then stored in a well ventilated location.

Appropriate Material	Butyl rubber - Butyl
Material thickness	0.5 mm

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Breakthrough time >= 8 h  
 Gloves (solvent-resistant)  
 Appropriate Material Fluoro carbon rubber - FKM  
 Material thickness 0.4 mm  
 Breakthrough time >= 8 h  
 Not suitable: gloves made of thick material  
 Appropriate Material nitrile rubber - NBR  
 Material thickness 0.35 mm  
 Breakthrough time >= 8 h  
 Hand protection must comply with EN 374.

**Eye protection**

Safety glasses with side protection shield

**Body protection**

Solvent-resistant protective clothing

**Environmental exposure controls**

Do not allow to enter drains or water courses.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties****Physical state** liquid, clear**Colour** colourless**Odour** alcohol-like**Melting point**

Value -89 °C

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

Value 82 °C

Method ASTM D 1078

**Upper and lower explosive limits**

Lower explosion limit 2 %(V)

Upper explosion limit 13 %(V)

**Flash point**

Value 12 °C

Method ASTM D 56

**Auto-ignition temperature**

Value 425 °C

Method ASTM D 2155

**pH value**

Remarks Not applicable

**Viscosity****dynamic**

Value 2.43 mPa.s

Temperature 20 °C

Method ASTM D 445

**kinematic**

Value 2.66 mm²/s

Temperature 25 °C

Method ASTM D 7042

**Vapour pressure**

Value 41 hPa

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Temperature 20 °C

**Density and/or relative density**Value 0.78 g/cm<sup>3</sup>

Temperature 20 °C

Source GESTIS-Stoffdatenbank

Value 0.785 to 0.789

Temperature 20 °C

Remarks Relative Density according specification

**Relative vapour density**

Value &gt; 1

**9.2. Other information****Solubility in water**

Remarks Completely miscible

**Oxidising properties**

evaluation Not oxidising

**Other information**

Forms explosive mixture with air are possible.

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No decomposition if stored and applied as directed.

**10.2. Chemical stability**

No decomposition if stored and applied as directed.

**10.3. Possibility of hazardous reactions**

Peroxides. Vapours can form an explosive mixture with air.

**10.4. Conditions to avoid**

To avoid thermal decomposition, do not overheat. Flames. Sparks

**10.5. Incompatible materials**

Alkaline metals, Reactions with earth alkali metals. Reactions with strong acids. Reactions with oxidising agents. amines

**10.6. Hazardous decomposition products**

In the event of fire the following can be released: Carbon monoxide and carbon dioxide

**Other information**

Formation of explosive gas/air mixtures.

**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity**

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

**Acute oral toxicity (Components)****propan-2-ol**

Species rat

LD50 5840 mg/kg

Method OECD 401

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**Acute dermal toxicity**

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

**Acute dermal toxicity (Components)****propan-2-ol**

Species rabbit  
LD50 13900 mg/kg  
Method OECD 402

**Acute inhalational toxicity**

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

**Acute inhalative toxicity (Components)****propan-2-ol**

Species rat  
LC50 > 25 mg/l  
Duration of exposure 6 h  
Administration/Form Vapors  
Method OECD 403

**Skin corrosion/irritation**

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

**Skin corrosion/irritation (Components)****propan-2-ol**

evaluation non-irritant  
Method OECD 404  
Remarks Repeated and prolonged skin contact may lead to defatting and irritation of the skin.

**Serious eye damage/irritation**

evaluation irritant  
Remarks The classification criteria are met.

**Serious eye damage/irritation (Components)****propan-2-ol**

evaluation irritant  
Method OECD 405

**Sensitization**

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

**Sensitization (Components)****propan-2-ol**

Route of exposure dermal  
Species guinea pig  
evaluation non-sensitizing  
Method OECD 406

**Mutagenicity**

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

**Mutagenicity (Components)****propan-2-ol**

Species Salmonella typhimurium  
Method OECD 471  
Remarks None

**propan-2-ol**

Species hamster



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evaluation No experimental information on genotoxicity in vitro available.  
Method OECD 476

**propan-2-ol**

Species mouse  
evaluation No mutagenicity in the micronucleus test.  
Method OECD 474

**propan-2-ol**

Species rat  
Dose 400 mg/kg  
evaluation No experimental indications on genotoxicity in vivo found.  
Method OECD 414

**Reproductive toxicity**

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

**Reproduction toxicity (Components)****propan-2-ol**

Route of exposure oral  
Species rat  
Dose 853 mg/kg  
Duration of exposure 1 d  
evaluation No negative effects  
Method OECD 416

**propan-2-ol**

Route of exposure oral  
Species rat  
Dose 500 mg/kg  
Method OECD 414

**Carcinogenicity**

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

**Carcinogenicity (Components)****propan-2-ol**

Route of exposure inhalative  
Species mouse  
Dose <= 5000 ppm(m)  
Duration of exposure 5 d  
evaluation No negative effects  
Method OECD 451

**Specific Target Organ Toxicity (STOT)****Single exposure**

Remarks The classification criteria are met.  
evaluation May cause drowsiness or dizziness.

**Repeated exposure**

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

**Specific Target Organ Toxicity (STOT) (Components)****propan-2-ol**

Organs: Nervous system

**Aspiration hazard**

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

**Aspiration hazard (Components)****propan-2-ol**

Harmful: may cause lung damage if swallowed.

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## 11.2. Information on other hazards

### Endocrine disrupting properties with respect to humans

This substance does not have endocrine disrupting properties with respect to humans.

### Experience in practice

Inhalation causes narcotic effect/intoxication. Inhalation of vapours may lead to headache, drowsiness and dizziness. Inhalation can cause damage to the respiratory tract or lungs.

## SECTION 12: Ecological information

### 12.1. Toxicity

#### Fish toxicity (Components)

##### propan-2-ol

Species	Fathead minnow ( <i>Pimephales promelas</i> )		
LC50	9640		mg/l
Duration of exposure	96	h	
Method	OECD 203		

#### Daphnia toxicity (Components)

##### propan-2-ol

Species	Daphnia magna		
LC50	9714		mg/l
Duration of exposure	24	h	
Method	OECD 202		

#### Algae toxicity (Components)

##### propan-2-ol

Species	Scenedesmus subspicatus		
EC50	> 100		mg/l
Duration of exposure	72	h	

#### Bacteria toxicity

Species	Pseudomonas putida		
EC10	5175		mg/l
Duration of exposure	18	h	

#### Bacteria toxicity (Components)

##### propan-2-ol

EC50	> 100		mg/l
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### 12.2. Persistence and degradability

#### Biodegradability (Components)

##### propan-2-ol

Value	53		%
Duration of test evaluation	5	d	
Readily biodegradable			

#### Chemical oxygen demand (COD)

Value	97		%(m)
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#### Biochemical oxygen demand (BOD5)

Value	60		%(m)
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### 12.3. Bioaccumulative potential

#### General information

Not applicable

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**Octanol/water partition coefficient (log Pow) (Components)****propan-2-ol**

log Pow

0.05

**12.4. Mobility in soil****Mobility in soil (Components)****propan-2-ol**

Mobile in soils

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

The Substance does not meet PBT-criteria.

This substance does not meet the vPvB-criteria.

**12.6 Endocrine disrupting properties****Endocrine disrupting properties with respect to the environment**

This substance does not have endocrine disrupting properties with respect to non-target organisms.

**12.7. Other adverse effects****General information / ecology**

Do not allow it to reach ground water, water bodies or sewage system.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations for the product**

EWC waste code

No not dispose with rubbish.

EWC waste code

Should not be released into the sanitary sewer system.

In accordance with regulations for special waste, must be taken, to an authorised special waste incineration plant.

**Disposal recommendations for packaging**

Unpurified packings can contain mixtures of gas and air which are capable of explosion.

Disposal in compliance with local and national regulations.

**SECTION 14: Transport information**

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	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number or ID number	1219	1219	1219
14.2. UN proper shipping name	ISOPROPANOL (ISOPROPYL ALCOHOL)	ISOPROPANOL (ISOPROPYL ALCOHOL)	ISOPROPANOL
14.3. Transport hazard class(es)	3	3	3
Label			
14.4. Packing group	II	II	II
Limited Quantity	1 I	1 I	
Transport category	2		
Tunnel restriction code	D/E		

## SECTION 15: Regulatory information

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

#### Water Hazard Class (Germany)

Water Hazard Class (Germany) WGK 1

Remarks Derivation of WGK according to Annex 1 No. 5.2 AwSV

#### Other information

The product does not contain substances according to Candidate List for inclusion in Annex XIV of Regulation (EC) No. 1907/2006 (REACH) with a content of  $\geq 0.1\%$  w/w.

### 15.2. Chemical safety assessment

For this substance a chemical safety assessment has been carried out.

## SECTION 16: Other information

### Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Classification (Regulation (EC) No. 1272/2008)

Flam. Liq. 2	H225	On basis of test data
Eye Irrit. 2	H319	Calculation method
STOT SE 3	H336	Calculation method

### Hazard statements listed in Chapter 2/3

H225	Highly flammable liquid and vapour.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

### CLP categories listed in Chapter 2/3

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Eye Irrit. 2

Flam. Liq. 2

STOT SE 3

Eye irritation, Category 2

Flammable liquid, Category 2

Specific target organ toxicity - single exposure, Category 3

### Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: \*\*\*

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.