

## EU Safety Data Sheet

according to Regulation (EC) No. 1907/2006

## Döllken AQUA-STOP-PEN

### 1. Product and company identification

#### 1.1 Produktidentifikator

Trade Name	Döllken AQUA-STOP-PEN
Application	Surface treatment of wood and other materials.

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

Product for the surface treatment of wood and other materials. For industrial use.

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

SURTECO GmbH  
Beisenstr. 50  
45964 Gladbeck  
Germany

#### 1.3.1. Responsible person:

Martin Ottow  
+49 2043 979-583  
martin.ottow@surteco.com

1.4 Emergency telephone number: +49 2043 979-0

### 2. Potential hazards

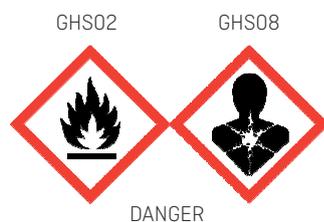
#### 2.1 Classification of the mixture

Classification according to Regulation 1272/2008/EC (CLP):

Flammable Liquids 3	H226
Aspiration hazard 1	H304

#### 2.2 Label elements

Components which define the hazards: Isoalkanes, C11 - C14



Warning **H statements**:

**H226** – Flammable liquid and vapour.

**H304** – May be fatal if swallowed and enters airways.

**EUH 066** – Repeated exposure may cause skin dryness or cracking.

Precautionary **P statements**:

**P101** – If medical advice is needed, have product container or label at hand.

**P102** – Keep out of reach of children.

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

**P301 + P310** – IF SWALLOWED: Immediately call a POISON CENTER/doctor.

**P331** – Do NOT induce vomiting.

**P405** – Store locked up.

**P501** – Dispose of contents/container to an authorised landfill, only when empty.

**P264** – Wash hands thoroughly with soap after handling.

### 2.3. Other hazards:

The product has no other known specific hazards for human or environment. Results of PBT and vPvB assessment: no data available.

## 3. Composition/Data on ingredients

### 3.1 Substance:

Not applicable

### 3.2 Mixture:

Description	CAS number	EU number	REACH reg. nr.	Conc. (%)	Classification: 1272/2008/EC (CLP)		
					Hazard pict.	Hazard cat.	H phrase
Hydrocarbons, C11 - C14, isoalkanes, cyclics, < 2 % aromatics * Note P	90622-58-5	927-285-2	-	25 - 100	GHS08 Danger	Asp. Tox. 1	H304 EUH066
2-Methoxymethylethoxypropanol*/**	34590-94-8	252-104-2	-	5 - 10	-	-	-
Ethyl acetate	141-78-6	205-500-4	-	2,5 - 5	GHS02 GHS07 Danger	Flam. Liq. 2 Eye Irrit. 2 STOT SE 3	H225 H319 H336 EUH066

\*: Substance classified by the manufacturer or substance which has no obligatory classification according to the EU regulations.

\*\* : Substance having occupational exposure limit value.

### Note P:

The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7).

When the substance is not classified as a carcinogen at least the precautionary statements [P102-] P260-P262- P301 + P310-P331 (Table 3.1) or the S-phrases [2-]23-24-62 (Table 3.2) shall apply. This note applies only to certain complex oil-derived substances in Part 3. For the full text of H phrases: see Section 16

## 4. First aid measures

### 4.1 Description of first aid measures:

General information: Remove contaminated clothing immediately. Avoid skin contact.

IN CASE OF INGESTION:

Measures: Gently wipe or rinse the mouth with water.  
Place the victim into comfortable position.  
Do not induce vomiting.  
Do not give the victim anything orally, and do not induce vomiting if the victim is unconscious.  
Immediately give plenty of fluids (water) to drink if victim is conscious.

IN CASE OF INHALATION:

Measures: Take the victim into fresh air.  
If breathing stops, administer artificial respiration.  
Obtain medical help.

IN CASE OF SKIN CONTACT:

Measures: Wash the skin surface immediately with plenty of water and soap.  
In case of persistent complaints, obtain medical help.

IN CASE OF EYE CONTACT:

Measures: In case of contact with eyes flush with water holding eyelids apart and moving the eyeballs (for at least 15 minutes).  
Obtain medical help.

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

The most important known symptoms and effects are on the label (see section 2.2) and/or described in section 11.

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

No data available.

## 5. Fire-fighting measures

### 5.1 Extinguishing media:

#### 5.1.1. Suitable extinguishing media:

Water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

#### 5.1.2. Unsuitable extinguishing media:

Do not use full water jet, because it can disperse and spread fire.

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

In case of fire, carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>) may be formed, the inhalation of such combustion products can have serious adverse effects on health.

### 5.3 Advise for firefighters:

Wear full protective clothing and self-contained breathing apparatus.

Use protective clothing to suit surroundings, fight incipient fires with fire extinguishers.

Use water spray to cool unopened containers.

## 6. Measures for accidental release

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

#### 6.1.1 For non-emergency personnel:

Keep unprotected people away, allow only well trained experts wearing suitable protective clothing to abide in the field of accident.

#### 6.1.2. For emergency responders:

Use personal protective equipment.

Do not inhale vapours/mist/gas.

Ensure adequate ventilation.

Remove all ignition sources.

Remove persons to safety.

Vapours can form explosive concentrations.

Vapours can accumulate in low areas.

Personal protective equipment: see section 8

### 6.2. Environmental precautions:

Stop further leakage or spillage if possible without risk. Dispose the spillage and the resulting waste according to the applicable environmental regulations. Do not allow the product and the resulting waste to enter sewers/soil/surface or ground water. Notify the respective authorities in accordance with local law in the case of environmental pollution immediately.

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

Collect the spilled product with absorbent (sand, diatomite, acid binders, universal binders, sawdust), then place into a suitable, closed, properly labelled chemical waste container for removal/disposal. Contaminated soils or objects should be cleaned carefully and in compliance with environmental laws.

### 6.4. Reference to other sections:

For further and detailed information see section 8 and 13.

## 7. Handling and storage (for national regulations refer to items 15 and 16.)

### 7.1 Precautions for safe handling:

Observe conventional hygiene precautions.

Avoid contact with eyes and skin.

Avoid inhalation of vapours or mists.

Exclude sources of ignition - no smoking.

Technical measures:

Ensure adequate ventilation

Take measures to prevent electrostatic charging.

Do not smoke while working.

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

Technical measures and storage condition:

Keep away from frost, heat and sunlight

Storage temperature: between 5 and 40 °C

Keep containers tightly closed in a dry, well-ventilated place.

Open containers carefully and keep them upright to prevent leakage.

Keep away from foodstuffs, beverages and feed.

Storage class (VC): 3

Incompatible materials: Keep away from oxidizing substances and strong acids and bases.

Packaging material: no special prescriptions

### 7.3 Specific end use(s):

No specific instructions available.

## 8. Exposure controls and personal protective equipment

### 8.1 Control parameters:

Occupational exposure limit values:

**2-Methoxymethylethoxy-propanol** (CAS: 34590-94-8): 8 hours: 308 mg/m<sup>3</sup>/50 ppm

**2-Methoxymethylethoxy-propanol** (CAS: 34590-94-8):

Oral DNEL	1.67 mg/kg bw/day (consumer) (long-term exposure - systemic effects)
Dermal DNEL	65 mg/kg bw/day (worker) (long-term exposure - systemic effects)
	15 mg/kg bw/day (consumer) (long-term exposure - systemic effects)
Inhalation DNEL	310 mg/m <sup>3</sup> (worker) (long-term exposure - systemic effects)

PNEC:

STP	4168 mg/l (WWTP)
Water	19 mg/l (freshwater)
	1.9 mg/l (sea water)
	190 mg/l (Periodic release)
Sediment	70.2 mg/kg (fresh water)
	7.02 mg/kg (seawater)
Soil	2.74 mg/kg (soil)

**Ethyl acetate** (CAS: 141-78-6):

Oral DNEL	4.5 mg/kg bw/day (consumer)
Dermal DNEL	63 mg/kg bw/day (worker) (long-term exposure - systemic effects)
	37 mg/kg bw/day (consumers) (long-term exposure - systemic effects)
Inhalation DNEL	1468 mg/m <sup>3</sup> (worker) (Acute short-term exposure - systemic effects)
	734 mg/m <sup>3</sup> (worker) (long-term exposure - systemic effects)
	734 mg/m <sup>3</sup> (consumer) (Acute short-term exposure - local effects)
	367 mg/m <sup>3</sup> (consumer) (long-term exposure - systemic effects)

PNEC:

STP	650 mg/l (WWTP)
Water	1.65 mg/l (Periodic release)
Sediment	1.25 mg/kg (fresh water)
	0.125 mg/kg (seawater)
Soil	0.24 mg/kg (soil)

### 8.2 Exposure controls:

In case of a hazardous material with no controlled concentration limit it is the employer's duty to keep concentration levels down to a minimum achievable by existing scientific and technological means, where the hazardous substance poses no harm to workers.

### 8.2.1 Appropriate engineering controls:

In pursuance of work is proper foresight needed to avoid leaking onto clothes and floors and to avoid contact with eyes and skin.

### 8.2.2. Individual protection measures, such as personal protective equipment:

Handle in accordance with good industrial hygiene and safety practice.

Wash hands before breaks and at end of work.

When using do not eat, drink or smoke.

Remove contaminated clothing and wash before reuse.

1. Eye/face protection: With regular use, no special measures are necessary. Use of safety glasses with side protection may be necessary (EN 166).
2. Skin protection:
  - a. Hand protection: With regular use, no special measures are necessary. Use of protective gloves may be necessary. Glove material: nitrile rubber, nitrile (NBR), recommended material thickness > 0.4 mm (EN 374).
  - b. Other: With regular use, no special measures are necessary.
3. Respiratory protection: With regular use, no special measures are necessary. Ensure adequate ventilation.
4. Thermal hazards: none known

### 8.2.3 Environmental exposure controls:

No specific prescription.

**The requirements detailed in Section 8 assume skilled work under normal conditions and usage of the product for appropriate aims. If conditions differ from normal or work is carried out under extreme conditions an expert's advice should be sought out before deciding upon further protective measures.**

## 9. Physical and chemical properties

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

Parameter		Test method:
1. Appearance:	colourless liquid	
2. Odour:	slightly solvent-like	
3. Odour threshold:	no data available	
4. pH value:	not applicable	
5. Melting point/ freezing point:	- 45 °C	
6. Initial boiling point and boiling range:	180 °C	1013 hPa
7. Flash point:	< 60 °C	
8. Evaporation rate:	no data available	
9. Flammability (solid, gas):	no data available	
10. Upper/lower flammability or explosive limits:	0,5 - 5 vol %	
11. Vapour pressure:	no data available	
12. Vapour density:	no data available	
13. Relative density:	0,8 g/cm <sup>3</sup>	20 °C
14. Solubility(ies):	water: < 0,1 %	
15. Partition coefficient: n-octanol/water:	no data available	
16. Auto-ignition temperature:	no data available	
17. Decomposition temperature:	no data available	
18. Viscosity:	no data available	
19. Explosive properties:	no data available	
20. Oxidizing properties:	no data available	

**9.2 Other information:**

No data available.

**10. Stability and reactivity**

**10.1 Reactivity:**

None known

**10.2 Chemical stability:**

Stable within normal temperature and general work conditions.

**10.3 Possibility of hazardous reactions:**

Do not overheat to avoid thermal decomposition.

**10.4 Conditions to avoid:**

Heat, flames and sparks

**10.5 Incompatible materials:**

Keep away from oxidizing substances and strong acids and bases.

**10.6 Hazardous decomposition products:**

CO<sub>2</sub>, CO, nitrogen oxides (NO<sub>x</sub>)

**11. Toxicological information**

**11.1 Information on toxicological effects:**

Acute toxicity: none known

Skin corrosion/irritation: none known

Serious eye damage/eye irritation: none known

Respiratory or skin sensitisation: none known

Germ cell mutagenicity: none known

Carcinogenicity: none known

Reproductive toxicity: none known

STOT-single exposure: none known

STOT-repeated exposure: none known

Aspiration hazard: may be fatal if swallowed and enters airways.

**11.1.1. For substances subject to registration, brief summaries of the information derived from the test conducted:**

No data available.

**11.1.2. Relevant toxicological properties of the hazardous substances:**

**Hydrocarbons, C11 - C14, isoalkanes, cyclics, < 2 % aromatics** [EK: 927-285-2]:

Oral LD50: > 5000 mg/kg [rat] [OECD Guideline 401] ECHA

Inhalation LC50/8 h: > 5000 mg/m<sup>3</sup> [rat] [OECD Guideline 403] ECHA

**2-Methoxymethylethoxy-propanol** (CAS: 34590-94-8):

Oral LD50: > 5000 mg/kg (rat) (OECD Guideline 401) ECHA  
LD50: > 5000 mg/kg (rabbit) (OECD Guideline 402) ECHA  
Inhalation LC50/4 h: 55 - 60 mg/l (rat)

**Ethyl acetate** (CAS: 141-78-6):

Oral LD50: 5,620 mg/kg (rat) RTECS  
Derma LD50: > 18,000 mg/kg (rabbit)  
Inhalation LC50/4 h: 5.86 mg/l (rat)

**11.1.3. Information on likely routes of exposure:**

Ingestion, inhalation, skin contact, eye contact

**11.1.4. Symptoms related to the physical, chemical and toxicological characteristics:**

Aromatic hydrocarbons can irritate skin and mucous membranes and cause narcotic effects in high concentrations. Frequent and prolonged contact may cause skin irritation and dermatitis.

**11.1.5. Delayed and immediate effects as well as chronic effects from short and long-term exposure:**

May be fatal if swallowed and enters airways. Repeated exposure may cause skin dryness or cracking.

**11.1.6. Interactive effects:**

No data available.

**11.1.7. Absence of specific data:**

No information.

**11.1.8. Other information:**

No data available.

## 12. Ecological information

**12.1. Toxicity:**

No data available.

**12.2. Persistence and degradability:**

No data available.

**12.3. Bioaccumulation potential:**

No data available.

**12.4. Mobility in soil:**

No data available.

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

No data available.

**12.6. Other adverse effects:**

Water hazard class (self-assessment): 1 - slightly hazardous to water.

## 13. Disposal

### 13.1. Waste treatment methods:

Disposal according to the local regulations.

#### 13.1.1. Information regarding the disposal of the product:

Dispose of according to relevant local and national regulations.

European Waste Code: **07 01 04**\*1 other organic solvents, washing liquids and mother liquors

\*1: hazardous waste

#### 13.1.2. Information regarding the disposal of the packaging:

Dispose of in the same manner as the unused product.

#### 13.1.3. Physical/chemical properties that may affect waste treatment options shall be specified:

None known.

#### 13.1.4. Sewage disposal:

None known.

#### 13.1.5. Special precautions for any recommended waste treatment:

No data available.

## 14. Transport information

### 14.1. UN number:

1993

### 14.2. UN proper shipping name:

FLAMMABLE LIQUID, N.O.S. (ETHYL ACETATE, Hydrocarbons, C11 - C14, isoalkanes, cyclics, < 2 % aromatics).

### 14.3. Transport hazard class(es):

Class: 3 (F1)

Label: 3

Hazard identification: 30

Tunnel restriction code: D/E

EMS Number: F-E, S-E

### 14.4. Packaging group:

III

### 14.5. Environmental hazards:

No relevant information available.

### 14.6. Special precautions for user:

No relevant information available.

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code:

Not applicable

## 15. Regulations

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

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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC

REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

### 15.2 Chemical safety assessment:

No information available.

## 16. Other information

### Issue: 0001

The information contained in this safety data sheet is based on the knowledge available at the time it was created. The description of the product is only in relation to Health and Safety requirements. This document does not constitute a guarantee for specific properties or specifications.

Information regarding the revision of the safety data sheet: none

Full text of the abbreviations in the safety data sheet:

DNEL: Derived no effect level. PNEC: Predicted no effect concentration. CMR effects: carcinogenicity, mutagenicity and toxicity for reproduction. PBT: Persistent, bioaccumulative and toxic. vPvB: Very Persistent, Very Bioaccumulative. n.d.: not defined. n.a.: not applicable.

Data sources: safety data sheet (dated 29. 03. 2015) issued by the manufacturer.

Methods used for the classification according to Regulation 1272/2008/EC:

Flammable Liquids 3 – H226	Based on test methods (test data)
Aspiration hazard 1 – H304	Based on calculation method

Relevant H-Phrases (number and full text) of Section 2 and 3:

**H225** – Highly flammable liquid and vapour.

**H226** – Flammable liquid and vapour.

**H304** – May be fatal if swallowed and enters airways.

**H319** – Causes serious eye irritation.

**H336** – May cause drowsiness or dizziness.

**EUH 066** – Repeated exposure may cause skin dryness or cracking.

Training advice: no data available.

This safety data sheet had been prepared on the basis of information provided by the manufacturer/supplier and conform to the relevant regulations.

The information, data and recommendations contained herein are provided in good faith, obtained from reliable sources and believed to be true and accurate as of the date issued; however, no representation is made as to the comprehensiveness of the information. The SDS shall be used only as a guide for handling the product; in the course of handling and using the product other considerations may arise or be required.

Users are cautioned to determine the appropriateness and applicability of the above information to their particular circumstances and purposes and assume all risk associated with the use of this product. It is the responsibility of the user to fully comply with local, national and international regulations concerning the use of this product.

**SURTECO**  
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