

# Safety Data Sheet

## Stone Sealer

Replaces date: 07/06/2019

Revision date: 08/03/2021  
Version: 1.1.0

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

#### 1.1. Product identifier

**Trade name:** Stone Sealer

**Unique Formula Identifier (UFI):** WGNW-TPPT-700E-05XV

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

**Recommended uses:** Impregnation agents.

**PC:** Coatings and paints, thinners, paint removers (PC9a)

**PROC:** Roller application or brushing (PROC10).

**AC:** Stone, plaster, cement, glass and ceramic articles (AC4)

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

##### Supplier

**Company:** Guardian Protection Products A/S  
**Address:** Knudevejen 22  
**Zip code:** 6600  
**City:** Vejen  
**Country:** DENMARK  
**E-mail:** guardian@guardian.dk  
**Phone:** +45 75471767  
**Fax:** +45 75471787

#### 1.4. Emergency Telephone Number

Members of the public: 111 (NHS 111 (Scotland: NHS 24))

### SECTION 2: Hazards identification

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

**CLP-classification:** Flam. Liq. 2;H225 Eye Irrit. 2;H319 STOT SE 3;H336

**Most serious harmful effects:** Highly flammable liquid and vapour. Causes serious eye irritation. May cause drowsiness or dizziness. The product releases organic solvent vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication. Can be absorbed through the skin causing symptoms such as dizziness and headache.

#### 2.2. Label elements

##### Pictograms



**Signal word:** Danger

**Contains**

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**Substance:** propan-2-ol;

### H-phrases

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

### P-phrases

P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P280 Wear eye protection.  
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

Assessment to determine PBT and vPvB has not been made.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

Substance	CAS No	EC No	REACH Reg. No.	Concentration	Notes	CLP-classification
propan-2-ol	67-63-0	200-661-7		80 - 95%		Flam. Liq. 2;H225 Eye Irrit. 2;H319 STOT SE 3;H336
(2-methoxymethyl ethoxy)propanol	34590-94-8	252-104-2		1 -< 2.5%		Flam. Liq. 1;H224
Distillates (petroleum), hydro- treated light	64742-47-8	265-149-8		1 -< 2.5%	3	Flam. Liq. 3;H226 Asp. Tox. 1;H304

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

3 = H304 is not applicable due to use as aerosols.

## 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 persistent discomfort.

**Skin contact:** Remove contaminated clothing. Wash skin with soap and 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.

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

Irritating to eyes. Causes a burning sensation and tearing. The product releases organic solvent vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication. Can be absorbed through the skin causing symptoms such as dizziness and headache.

### 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 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.

### 5.3. Advice for firefighters

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

## SECTION 6: Accidental release measures

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

**For non-emergency personnel:** Stay upwind/keep distance from source. Stop leak if this can be done without risk. Wear safety goggles. Wear gloves. Smoking and naked flames prohibited.

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

### 6.2. Environmental precautions

Prevent spillage from entering drains and/or surface water.

### 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.

### 6.4. Reference to other sections

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

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Use the product under well-ventilated conditions. 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 explosion proof equipment. Wash hands before breaks, before using restroom facilities, and at the end of work.

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

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Store safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc. Keep in tightly closed original packaging. Do not expose to heat (e.g. sunlight). Do not store with the following: Strong acids/ Strong alkalis/ Strong oxidisers/ Strong reducing agents.

### 7.3. Specific end use(s)

No special uses in addition to identified uses in 1.2.

## 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>	Comments	Remarks
propan-2-ol	15m	500	1250			
propan-2-ol	8h	400	999			
(2-methoxymethyl ethoxy)propanol	8h	50	308			Sk
(2-methoxymethyl ethoxy)propanol	15m					Sk
Distillates (petroleum), hydro- treated light	8h		1200		Normal and branched chain alkanes >=C7	
Distillates (petroleum), hydro- treated light	15m				Normal and branched chain alkanes >=C7	

Sk = Can be absorbed through the skin.

**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.

### PNEC

propan-2-ol, cas-no 67-63-0				
Exposure	Value	Assessment Factor	Extrapolation Method	Note
PNEC sediment (marine water)	552 mg/kg			
PNEC aqua (freshwater)	140,9 mg/l			
PNEC soil	28 mg/kg			
PNEC aqua (marine water)	140,9 mg/l			
PNEC aqua (intermittent releases)	140,9 mg/l			
PNEC STP (wastewater-treatment facilities)	251 mg/l			
PNEC sediment (freshwater)	552 mg/l			

### DNEL - workers

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propan-2-ol, cas-no 67-63-0					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Dermal DNEL (long-term exposure - systemic effects)	888 mg/kg bw/day				
Inhalation DNEL (long-term exposure - systemic effects)	500 mg/m <sup>3</sup>				

### DNEL - general population

propan-2-ol, cas-no 67-63-0					
Exposure	Value	Assessment Factor	Dose Descriptor	Main Impact Parameter	Note
Dermal DNEL (long-term exposure - systemic effects)	319 mg/kg bw/day				
Inhalation DNEL (long-term exposure - systemic effects)	89 mg/m <sup>3</sup>				
Oral DNEL (long-term exposure - systemic effects)	26 mg/kg bw/day				

### 8.2. Exposure controls

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

**Personal protective equipment, eye/face protection:** Wear safety goggles. Eye protection must conform to EN 166.

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

**Personal protective equipment, respiratory protection:** In case of insufficient ventilation, wear respiratory protective equipment. Filter type: A. 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	Solubility in water: Insoluble
Explosive properties	No data
Oxidising properties	No data

Parameter	Value/unit	Remarks
pH (solution for use)	No data	
pH (concentrate)	No data	
Melting point	No data	
Freezing point	No data	
Initial boiling point and boiling range	83 °C	

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Flash Point	12 °C	
Evaporation rate	No data	
Flammability (solid, gas)	No data	
Flammability limits	No data	
Explosion limits	2 - 12 vol%	
Vapour pressure	No data	
Vapour density	No data	
Relative density	No data	
Partition coefficient n-octanol/water	No data	
Auto-ignition temperature	No data	
Decomposition temperature	No data	
Viscosity	No data	
Odour threshold	No data	

### 9.2. Other information

Parameter	Value/unit	Remarks
Density	0,8 g/cm <sup>3</sup>	

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Reacts with the following: Strong acids/ Strong alkalis/ Strong oxidisers/ Strong reducing agents.

### 10.2. Chemical stability

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

### 10.3. Possibility of hazardous reactions

None known. 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 acids/ Strong alkalis/ Strong oxidisers/ Strong reducing agents.

### 10.6. Hazardous decomposition products

Product decomposes in fire conditions or when heated to high temperatures, and inflammable and toxic gases may be released.

## SECTION 11: Toxicological information

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

#### Acute toxicity - oral

#### propan-2-ol, cas-no 67-63-0

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		5840 mg/kg			

#### (2-methoxymethylethoxy)propanol, cas-no 34590-94-8

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LD50		> 5000mg/kg			

Ingestion may cause discomfort. The product does not have to be classified. Based on existing data, the classification criteria

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are deemed not to have been met.

### Acute toxicity - dermal

#### propan-2-ol, cas-no 67-63-0

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

#### (2-methoxymethylethoxy)propanol, cas-no 34590-94-8

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rabbit	LD50		> 19020mg/kg			

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

#### propan-2-ol, cas-no 67-63-0

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LC50	8 h	47.5 mg/l			
Rat	LC50	4 h	66.1 mg/l			

#### (2-methoxymethylethoxy)propanol, cas-no 34590-94-8

Organism	Test Type	Exposure time	Value	Conclusion	Test method	Source
Rat	LC50	7 h	> 275ppm			

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:** May cause slight irritation. The product does not have to be classified. Test data are not available.

**Serious eye damage/eye irritation:** Irritating to eyes. Causes a burning sensation and tearing.

**Respiratory sensitisation or skin sensitisation:** The product does not have to be classified. Test data are not available.

**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 releases organic solvent vapours which may cause lethargy and dizziness. At high concentrations, the vapours may cause headache and intoxication. Can be absorbed through the skin causing symptoms such as dizziness and headache.

**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 are not available.

**Other toxicological effects:** None known.

## SECTION 12: Ecological information

### 12.1. Toxicity

#### propan-2-ol, cas-no 67-63-0

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish		96 h	96hLC50	8970 - 9280mg/l			
Crustacea		24 h	24hEC50	9714 mg/l			

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Algae		8 d	8dNOEC	> 1800mg/l			
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**(2-methoxymethylethoxy)propanol, cas-no 34590-94-8**

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
Fish		96 h	96hLC50	> 1000mg/l			
Crustacea		96 h	96hLC50	> 1000mg/l			
Algae		72 h	72hNOEC	969 mg/l			
Crustacea		22 d	22dNOEC	0.5 mg/l			

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

**propan-2-ol, cas-no 67-63-0**

Organism	Species	Exposure time	Test Type	Value	Conclusion	Test method	Source
				95 %	Readily biodegradable.	Modified OECD Screening Test	

Expected to be biodegradable.

### 12.3. Bioaccumulative potential

No bioaccumulation expected. Test data are not available.

### 12.4. Mobility in soil

Test data are not available.

### 12.5. Results of PBT and vPvB assessment

No assessment has been made.

### 12.6. Other adverse effects

None known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Avoid discharge to drain or surface water. If this product as supplied becomes a waste, it meets the criteria of a hazardous waste (Dir. 2008/98/EU). Collect spills and waste in closed, leak-proof containers for disposal at the local hazardous waste site. 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:**

EWC code: Depends on line of business and use, for instance 07 01 04\* other organic solvents, washing liquids and mother liquors

Absorbent/cloth contaminated with the product: EWC code: 15 02 02 absorbents, filter materials (including oil filters not otherwise specified), wiping cloths, protective clothing contaminated by dangerous substances.

## SECTION 14: Transport information

### Land transport (ADR/RID)

**14.1. UN number or ID number:** 1993

**14.4. Packing group:** II



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<b>14.2. UN proper shipping name:</b>	FLAMMABLE LIQUID, N.O.S. (propan-2-ol)	<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

**Tunnel restriction code:** D/E

### Inland water ways transport (ADN)

<b>14.1. UN number or ID number:</b>	1993	<b>14.4. Packing group:</b>	II
<b>14.2. UN proper shipping name:</b>	FLAMMABLE LIQUID, N.O.S. (propan-2-ol)	<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>	1993	<b>14.4. Packing group:</b>	II
<b>14.2. UN proper shipping name:</b>	FLAMMABLE LIQUID, N.O.S. (propan-2-ol)	<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-E	<b>IMDG Code segregation group:</b>	- None -

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

<b>14.1. UN number or ID number:</b>	1993	<b>14.4. Packing group:</b>	II
<b>14.2. UN proper shipping name:</b>	FLAMMABLE LIQUID, N.O.S. (propan-2-ol)	<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.

## SECTION 15: Regulatory information

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

**Special Provisions:** 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. Directive 2012/18/EU (Seveso), P5c FLAMMABLE LIQUIDS: Column 2: 5000 t, Column 3: 50000 t.

Covered by:  
Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

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### 15.2. Chemical Safety Assessment

**Other Information:** Chemical safety assessment has not been performed.

### SECTION 16: Other information

#### Version history and indication of changes

Version	Revision date	Responsible	Changes
1.1.0	08/03/2021	Bureau veritas HSE/ THS	-

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

**Other Information:** This safety data sheet has been prepared for and applies to this product only. It is based on our current knowledge and the information that the supplier was able to provide about the product at the time of preparation. The safety data sheet complies with applicable law on preparation of safety data sheets in accordance with 1907/2006/EC (REACH) as subsequently changed.

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

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

#### List of relevant H-statements

H224 Extremely flammable liquid and vapour.  
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.

#### SDS is prepared by

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