

## Safety data sheet

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

#### 1.1. Product identifier

Trade name: Precious Wood Cleaner - for outdoor use

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

Recommended uses: Cleaner

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

Supplier: Guardian Protection Products A/S  
Knudevejen 22  
6600 Vejen  
Denmark  
Tel: +45 75471767  
Fax: +45 75471787  
Email: guardian@guardian.dk

#### 1.4. Emergency telephone number

0870 600 6266 (UK only) Only available to health professionals.

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### SECTION 2: Hazards identification

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

CLP-classification (Regulation (EC) No 1272/2008): Skin Corr. 1B; H314 Eye Dam. 1; H318

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

Most serious harmful effects: Causes severe skin burns and eye damage. Causes serious eye damage.

#### 2.2. Label elements



Signal word:

Danger

Contains: Disodium metasilicate; potassium hydroxide; Alcohols, C9-11, ethoxylated

H-phrases: Causes severe skin burns and eye damage.(H314)

P-phrases: If medical advice is needed, have product container or label at hand.(P101)  
 Keep out of reach of children.(P102)  
 Wear protective gloves/eye protection/face protection.(P280-høa)  
 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.(P303/361/353)  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.(P305/351/338)  
 Immediately call a POISON CENTER/doctor.(P310-a)

### 2.3. Other hazards

The product does not contain any PBT or vPvB substances.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

Registration number	CAS/EC Number	Substance	CLP-classification (Regulation (EC) No 1272/2008)	w/w% Note
01-211948713	1310-58-3	potassium hydroxide	Acute Tox. 4;H302 Skin Corr. 1A;H314	3-5 .
6-33-xxxx	215-181-3	.	Met.Corr. 1;H290	. .
.	68439-46-3	Alcohols, C9-11, ethoxylated	Eye Dam. 1;H318 Acute Tox. 4;H302	3-5 .
.	-	.	.	. .
01-211944981	10213-79-3	Disodium metasilicate	Met. Corr. 1;H290 Skin Corr. 1B;H314	1-3 .
1-37-XXXX	229-912-9	.	STOT SE 3;H335	. .

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

Other information: Pursuant to Regulation (EC) No. 648/2004 on detergents: 5% or over but less than 15%: non-ionic surfactants

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

Inhalation: Seek fresh air. Seek medical advice in case of discomfort.

Ingestion: Wash out mouth thoroughly and drink 1-2 glasses of water in small sips. Do not induce vomiting. Seek medical advice immediately.

Skin: Immediately remove contaminated clothing, watch and jewellery. Wash the skin thoroughly with water and continue washing for a long time. Seek medical advice in case of discomfort.

Eyes: Open eye wide, remove any contact lenses and flush immediately with water (preferably using eye wash equipment). Seek medical advice immediately. Continue flushing until medical attention is obtained.

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

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

Inhalation of vapours may cause irritation to the upper airways. Ingestion may cause caustic burning in mouth, oesophagus and stomach. Pains in mouth, throat and stomach. Difficulty swallowing, feeling unwell and vomiting of blood. Brown spots and burns may appear in and around the mouth. Has a caustic burning effect and causes burning pain, reddening, blistering and burning sores if it comes in contact with skin. Eye contact may result in deep caustic burns, pain, tearing and cramping of the eyelids. Risk of serious eye injury and loss of sight.

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

Treat symptoms. Ensure that medical personnel are aware of the material involved, and take precautions to protect themselves.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media      The product is not directly flammable. Choose extinguishing agents based on the surrounding fire. 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.

### 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. Extinguishing water which has been in contact with the product may be corrosive. Wear Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit.

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## 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 gloves. Wear safety goggles/face protection. Avoid inhalation/keep a distance.

For emergency responders:      In addition to the above: Chemical protective suit equivalent to EN 943-2 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

Caution! Causes burns. Contain and absorb spill with sand or other absorbent material and transfer to suitable waste containers. Wipe up minor spills with a cloth. Rinse with water.

### 6.4. Reference to other sections

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

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## 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. Wash hands before breaks, before using restroom facilities, and at the end of work.

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

Store safely, out of reach of children and away from food, animal feeding stuffs, medicines, etc. Keep in tightly closed original packaging. Store frost-free. Do not store with the following: Oxidisers/ Reducing agents/ Acids.

### 7.3. Specific end use(s)

None.

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## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Occupational exposure limits:

Ingredient:	Exposure limit	Comments
potassium hydroxide	- (8h), - (15m) ppm - (8h), 2 (15m) mg/m <sup>3</sup>	-

Legal basis:      EH40/2005 Workplace exposure limits. Last amended December 2011.

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

DNEL values:      1310-58-3:  
Workers:  
Inhalation DNEL (long-term exposure - local effects), 1 mg/m<sup>3</sup>,  
General population:  
Inhalation DNEL (long-term exposure - local effects), 1 mg/m<sup>3</sup>,

10213-79-3:  
Workers:  
Dermal DNEL (long-term exposure - systemic effects), 1,49 mg/m<sup>3</sup>,  
Dermal DNEL (long-term exposure - systemic effects), 6,22 mg/m<sup>3</sup>,  
General population:  
Inhalation DNEL (long-term exposure - systemic effects), 1,55 mg/m<sup>3</sup>,  
Dermal DNEL (long-term exposure - systemic effects), 0,74 mg/kg/d,  
Oral DNEL (long-term exposure - systemic effects), 0,74 mg/kg/d,

PNEC values: 10213-79-3:  
PNEC aqua (freshwater) 7,5 mg/l,  
PNEC aqua (marine water) 1 mg/l,  
PNEC STP (wastewater-treatment facilities) 1000 mg/l,

## 8.2. Exposure controls

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

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

Personal protective equipment, skin 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: Not required.

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

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## SECTION 9: Physical and chemical properties

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

State: Liquid  
Colour: Clear White  
Odour: Weak  
Odour threshold: No data  
pH (solution for use): No data  
pH (concentrate): 13-14  
Melting point/freezing point: No data  
Initial boiling point and boiling range: No data  
Flash point: No data  
Evaporation rate: No data  
Flammability (solid, gas): No data  
Upper/lower flammability limits: No data  
Upper/lower explosive limits: No data  
Vapour pressure: No data  
Vapour density: No data  
Relative density: 0,9-1,1 g/ml  
Solubility: Miscible with the following: Water.  
Partition coefficient n-octanol/water: No data  
Auto-ignition temperature: No data  
Decomposition temperature: No data  
Viscosity: No data  
Explosive properties: No data  
Oxidising properties: No data

### 9.2. Other information

None.

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## SECTION 10: Stability and reactivity

**10.1. Reactivity**

Reacts under heat generation with the following: Oxidisers/ Reducing agents/ Acids.

**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.

**10.4. Conditions to avoid**

None known.

**10.5. Incompatible materials**

Oxidisers/ Reducing agents/ Acids.

**10.6. Hazardous decomposition products**

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

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**SECTION 11: Toxicological information****11.1. Information on toxicological effects**

Acute toxicity - oral:	Ingestion may cause discomfort. The product does not have to be classified. Test data are not available.
Acute toxicity - dermal:	The product does not have to be classified. Test data are not available.
Acute toxicity - inhalation:	The product does not have to be classified. Test data are not available.
Skin corrosion/irritation:	Has a caustic burning effect and causes burning pain, reddening, blistering and burning sores if it comes in contact with skin.
Serious eye damage/eye irritation:	Eye contact may result in deep caustic burns, pain, tearing and cramping of the eyelids. Risk of serious eye injury and loss of sight.
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:	Inhalation of vapours may cause irritation to the upper airways.
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:	Ingestion may cause caustic burning in mouth, oesophagus and stomach. Pains in mouth, throat and stomach. Difficulty swallowing, feeling unwell and vomiting of blood. Brown spots and burns may appear in and around the mouth.

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**SECTION 12: Ecological information****12.1. Toxicity**

The product does not have to be classified. Test data are not available.

**12.2. Persistence and degradability**

Test data are not available.

**12.3. Bioaccumulative potential**

No bioaccumulation expected.

#### 12.4. Mobility in soil

Not expected to be mobile in soil.

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

The product does not contain any PBT or vPvB substances.

#### 12.6. Other adverse effects

The product affects the pH value of the local aquatic environment.

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Avoid discharge to drain or surface water.

Collect concentrated spills and major waste in closed, leak-proof containers for disposal at the applicable hazardous waste site with the below specifications.

EWC code: Depends on line of business and use, for instance 16 05 07\*discarded inorganic chemicals consisting of or containing dangerous substances

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

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

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### SECTION 14: Transport information

#### ADR/RID

14.1. UN number 1719

14.2. UN proper shipping name CAUSTIC ALKALI LIQUID, N.O.S.(Potassium hydroxide)

14.3. Transport hazard class(es) 8

14.4. Packing group II

Hazard identification number 80

Tunnel restriction code: E

14.5. Environmental hazards The product should not be labelled as an environmental hazard (symbol: fish and tree).

#### ADN

14.1. UN number 1719

14.2. UN proper shipping name CAUSTIC ALKALI LIQUID, N.O.S. (Potassium hydroxide)

14.3. Transport hazard class(es) 8

14.4. Packing group II

14.5. Environmental hazards The product should not be labelled as an environmental hazard (symbol: fish and tree).

Transport in tank vessels: -

#### IMDG

14.1. UN number 1719

14.2. UN proper shipping name CAUSTIC ALKALI LIQUID, N.O.S. (Potassium hydroxide)

14.3. Transport hazard class(es) 8

14.4. Packing group II

14.5. Environmental hazards The product is not a Marine Pollutant (MP).

IMDG Code segregation group:

18 - Alkalis

**ICAO/IATA**

- 14.1. UN number 1719
- 14.2. UN proper shipping name CAUSTIC ALKALI LIQUID, N.O.S. (Potassium hydroxide)
- 14.3. Transport hazard class(es) 8
- 14.4. Packing group II
- 14.5. Environmental hazards The product should not be labelled as an environmental hazard (symbol: fish and tree).

**14.6. Special precautions for user**

None.

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable.

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**SECTION 15: Regulatory information**

Covered by: Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents. (as subsequently amended)  
Council Directive 94/33/EC of 22 June 1994 on the protection of young people at work.

**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.

**15.2. Chemical safety assessment**

Chemical safety assessments have been performed for the following substances:  
potassium hydroxide  
Disodium metasilicate

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**SECTION 16: Other information**

- Abbreviation explanations: 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
- Classification method: Calculation based on the hazards of the known components. Extreme pH value ( $\leq 2$  or  $\geq 11.5$ ).
- H-phrases: H290 May be corrosive to metals.  
H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H318 Causes serious eye damage.  
H335 May cause respiratory irritation.
- Training: A thorough knowledge of this safety data sheet should be a prerequisite condition.
- 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.