

SAFETY DATA SHEET

# StoneTreatment Belægning- og Tagrens

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

### 1.1. Product identifier

#### ▼ Trade name

StoneTreatment Belægning- og Tagrens

#### Unique formula identifier (UFI)

T000-A0PG-V003-2PAM

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

#### Relevant identified uses of the substance or mixture

Cleaning product

#### Uses advised against

No special

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

#### Company and address

##### **StoneTreatment A/S**

Vejlesvinget 5A

2665 Vallensbæk

Denmark

+45 4375 2565

www.stonetreatment.dk

#### Contact person

Jon Walther Jensen

#### E-mail

info@stonetreatment.dk

#### Revision

06-01-2022

#### SDS Version

3.0

#### Date of previous version

2022-01-06 (2.0)

### 1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service).

See section 4 "First aid measures".

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Skin Corr. 1B; H314, Causes severe skin burns and eye damage.

Eye Dam. 1; H318, Causes serious eye damage.

Aquatic Acute 1; H400, Very toxic to aquatic life.

Aquatic Chronic 2; H411, Toxic to aquatic life with long lasting effects.

### 2.2. Label elements

#### Hazard pictogram(s)



#### Signal word

Danger

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

**Hazard statement(s)**

Causes severe skin burns and eye damage. (H314)  
 Very toxic to aquatic life with long lasting effects. (H410)

**Safety statement(s)**

General

-

**Prevention**

Do not breathe vapour / mist. (P260)  
 Avoid release to the environment. (P273)  
 Wear eye protection / protective gloves. (P280)

**Response**

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. (P303+P361+P353)  
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)

**Storage**

-

**Disposal**

Dispose of contents/container to an approved waste disposal plant. (P501)

**Hazardous substances**

Alkyldimethylbenzylammonium Chloride

**2.3. Other hazards**

**Additional labelling**

Active substance(s):  
 Alkyldimethylbenzylammonium Chloride (8.7 g/100g)

**Additional warnings**

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

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

**3.2. Mixtures**

Product/substance	Identifiers	% w/w	Classification	Note
Alkyldimethylbenzylammonium Chloride	CAS No.: 68424-85-1 EC No.: 270-325-2 REACH: 01-2119983287-23-0000 Index No.:	5-10%	Acute Tox. 4, H302 Skin Corr. 1B, H314 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1)	

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See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

**Other information**

No special

**Labelling of contents according to Detergents Regulation (EC) No 648/2004**

5% - 15%  
 · Cationic surfactants

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

**General information**

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet.

Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

**Inhalation**

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

**Skin contact**

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical advice/attention.

**Eye contact**

Upon irritation of the eye: Remove contact lenses. Flush eyes with plenty of water or salt water (20-30°C) for at least 15 minutes and continue until irritation stops. Make sure you flush under the upper and lower eyelids. Seek medical assistance immediately and continue flushing during transport.

**Ingestion**

In the case of ingestion, contact a doctor immediately. If the person is conscious, give them water. DO NOT try to induce vomiting, unless this is recommended by a doctor. Hold head facing down to prevent vomit returning mouth and throat. Prevent shock by keeping the injured person warm and calm. Initiate immediate resuscitation if breathing stops. If unconscious, roll the injured person into recovery position. Call an ambulance.

**Burns**

Not applicable

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

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, -irritations and burns in the respiratory organs -as well as coughing. Dermal contact and contact with the eye cause irreversible effects.

Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

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

IF exposed or concerned:

Get immediate medical advice/attention.

**Information to medics**

Bring this safety data sheet or the label from this product.

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

Not applicable

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

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.

If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:

Carbon oxides (CO / CO<sub>2</sub>).

**5.3. Advice for firefighters**

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.

**SECTION 6: Accidental release measures**

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

Avoid direct contact with spilled substances.

**6.2. Environmental precautions**

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

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

Limit spillage and collect using granular absorbent or similar materials, and dispose of it in accordance with the regulations on dangerous waste.

Use sand, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations.

To the extent possible cleaning is performed with normal cleaning agents. Avoid use of solvents.

### 6.4. Reference to other sections

See section 13 on "Disposal considerations" in regard of handling of waste.

See section 8 "Exposure controls/personal protection" for protective measures.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

It is recommended to install waste collection trays in order to prevent emissions to the waste water system and surrounding environment.

Avoid direct contact with the product.

Smoking, drinking and consumption of food is not allowed in the work area.

See section 8 "Exposure controls/personal protection" for information on personal protection.

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

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.

#### Recommended storage material

Always store in containers of the same material as the original container.

#### Storage temperature

> 0°C

#### Incompatible materials

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

### 7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No substances are listed in the national list of substances with an occupational exposure limit.

#### DNEL

Product/substance	Alkyldimethylbenzylammonium Chloride
DNEL	3,96 mg/kg/day
Route of exposure	Inhalation
Duration	Long term – Systemic effects - Workers

Product/substance	Alkyldimethylbenzylammonium Chloride
DNEL	3,4 mg/kg/day
Route of exposure	Oral
Duration	Long term – Systemic effects - General population

Product/substance	Alkyldimethylbenzylammonium Chloride
DNEL	3,4 mg/kg/day
Route of exposure	Dermal
Duration	Long term – Systemic effects - General population

Product/substance	Alkyldimethylbenzylammonium Chloride
DNEL	1,64 mg/kg/day
Route of exposure	Inhalation

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Duration	Long term – Systemic effects - General population
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Product/substance	Alkyldimethylbenzylammonium Chloride
DNEL	5,7 mg/kg/day
Route of exposure	Dermal
Duration	Long term – Systemic effects - Workers

**PNEC**

Product/substance	Alkyldimethylbenzylammonium Chloride
PNEC	0,0009 mg/L
Route of exposure	Freshwater
Duration of Exposure	

Product/substance	Alkyldimethylbenzylammonium Chloride
PNEC	0,00096 mg/L
Route of exposure	Marine water
Duration of Exposure	

Product/substance	Alkyldimethylbenzylammonium Chloride
PNEC	0,00016 mg/L
Route of exposure	Intermittent release
Duration of Exposure	

Product/substance	Alkyldimethylbenzylammonium Chloride
PNEC	13,09 mg/kg
Route of exposure	Marine water sediment
Duration of Exposure	

Product/substance	Alkyldimethylbenzylammonium Chloride
PNEC	12,27 mg/kg
Route of exposure	Freshwater sediment
Duration of Exposure	

Product/substance	Alkyldimethylbenzylammonium Chloride
PNEC	0,4 mg/L
Route of exposure	Sewage treatment plant
Duration of Exposure	

Product/substance	Alkyldimethylbenzylammonium Chloride
PNEC	7 mg/kg
Route of exposure	Marine water sediment
Duration of Exposure	

**8.2. Exposure controls**

Control is unnecessary if the product is used as intended.

**General recommendations**

Smoking, drinking and consumption of food is not allowed in the work area.

**Exposure scenarios**

There are no exposure scenarios implemented for this product.

**Exposure limits**

Occupational exposure limits have not been defined for the substances in this product.

**Appropriate technical measures**

Apply standard precautions during use of the product. Avoid inhalation of vapours.

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

**Hygiene measures**

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always wash hands, forearms and face.

**Measures to avoid environmental exposure**

Keep damming materials near the workplace. If possible, collect spillage during work.


**Individual protection measures, such as personal protective equipment**

**Generally**

Use only CE marked protective equipment.

**Respiratory Equipment**

Type	Class	Colour	Standards
S/SL	P2	White	EN149




**Skin protection**

Recommended	Type/Category	Standards
No special when used as intended	-	-


**Hand protection**

Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
Nitrile	0,3	>120	EN374-2



**Eye protection**

Type	Standards
Wear safety glasses with side shields.	EN166



**SECTION 9: Physical and chemical properties**

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

**Physical state**

Liquid

**Colour**

Clear

**Odour / Odour threshold**

Characteristic

**pH**

8

**Density (g/cm<sup>3</sup>)**

0.996

**Kinematic viscosity**

Testing not relevant or not possible due to nature of the product.

**Particle characteristics**

Does not apply to liquids.

**Phase changes**

**Melting point/Freezing point (°C)**

Testing not relevant or not possible due to nature of the product.

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

**Softening point/range (waxes and pastes) (°C)**

Does not apply to liquids.

**Boiling point (°C)**

Testing not relevant or not possible due to nature of the product.

**Vapour pressure**

Testing not relevant or not possible due to nature of the product.

**Relative vapour density**

Testing not relevant or not possible due to nature of the product.

**Decomposition temperature (°C)**

Testing not relevant or not possible due to nature of the product.

**Data on fire and explosion hazards**

**Flash point (°C)**

Testing not relevant or not possible due to nature of the product.

**Ignition (°C)**

Testing not relevant or not possible due to nature of the product.

**Auto flammability (°C)**

Testing not relevant or not possible due to nature of the product.

**Lower and upper explosion limit (% v/v)**

Testing not relevant or not possible due to nature of the product.

**Solubility**

**Solubility in water**

Soluble

**n-octanol/water coefficient**

Testing not relevant or not possible due to nature of the product.

**Solubility in fat (g/L)**

Testing not relevant or not possible due to nature of the product.

**9.2. Other information**

**Other physical and chemical parameters**

No data available

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

No data available

**10.2. Chemical stability**

The product is stable under the conditions, noted in section 7 "Handling and storage".

**10.3. Possibility of hazardous reactions**

No special

**10.4. Conditions to avoid**

No special

**10.5. Incompatible materials**

Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.

**10.6. Hazardous decomposition products**

The product is not degraded when used as specified in section 1.

**SECTION 11: Toxicological information**

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

**Acute toxicity**

Product/substance	Alkyldimethylbenzylammonium Chloride
Test method	
Species	Rat
Route of exposure	Oral
Test	LD50

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

Result 397,5 mg/kg ·  
 Other information

Product/substance Alkyldimethylbenzylammonium Chloride  
 Test method  
 Species Rabbit  
 Route of exposure Dermal  
 Test LD50  
 Result 3412 mg/kg ·  
 Other information

**Skin corrosion/irritation**

Product/substance Alkyldimethylbenzylammonium Chloride  
 Test method no guideline followed  
 Species  
 Duration No data available.  
 Result Adverse effect observed (Corrosive)  
 Other information

Causes severe skin burns and eye damage.

**Serious eye damage/irritation**

Product/substance Alkyldimethylbenzylammonium Chloride  
 Test method no guideline followed  
 Species  
 Duration No data available.  
 Result Adverse effect observed (Highly corrosive)  
 Other information

Causes serious eye damage.

**Respiratory sensitisation**

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

**Skin sensitisation**

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

**Germ cell mutagenicity**

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

**Carcinogenicity**

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

**Reproductive toxicity**

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

**STOT-single exposure**

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

**STOT-repeated exposure**

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

**Aspiration hazard**

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

**11.2. Information on other hazards**

**Long term effects**

Tissue-damaging effects: This product contains substances with skin corrosive properties. Inhaled vapour or aerosols may produce adverse effects to lungs, -irritations and burns in the respiratory organs -as well as coughing. Dermal contact and contact with the eye cause irreversible effects.

**Endocrine disrupting properties**

No special

**Other information**



According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

No special

## SECTION 12: Ecological information

### 12.1. Toxicity

Product/substance	Alkyldimethylbenzylammonium Chloride
Test method	
Species	Algae
Compartment	
Duration	No data available.
Test	NOEC
Result	0,009 mg/l ·
Other information	

Product/substance	Alkyldimethylbenzylammonium Chloride
Test method	
Species	Algae
Compartment	
Duration	No data available.
Test	IC50
Result	0,03 mg/l ·
Other information	

Product/substance	Alkyldimethylbenzylammonium Chloride
Test method	
Species	Fish
Compartment	
Duration	No data available.
Test	LC50
Result	0,515 mg/l ·
Other information	

Product/substance	Alkyldimethylbenzylammonium Chloride
Test method	
Species	Daphnia
Compartment	
Duration	No data available.
Test	EC50
Result	0,016 mg/l ·
Other information	

### 12.2. Persistence and degradability

Product/substance	Alkyldimethylbenzylammonium Chloride
Biodegradable	Yes
Test method	
Result	

### 12.3. Bioaccumulative potential

No data available

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

and/or vPvB.

**12.6. Endocrine disrupting properties**

No special

**12.7. Other adverse effects**

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.

This product contains substances, which may cause adverse long-term effects to the aquatic environment.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

Product is covered by the regulations on hazardous waste.

HP 8 – Corrosive

HP 14 – Ecotoxic

Avoid discharge to lakes, streams, sewers, etc.

Dispose of contents/container to an approved waste disposal plant.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

**EWC code**

20 01 29\* Detergents containing dangerous substances

20 03 01 Mixed municipal waste

**Specific labelling**

Not applicable

**Contaminated packing**

Packaging containing residues of the product must be disposed of similarly to the product.

**SECTION 14: Transport information**

**14.1. - 14.4.**

This product is within scope of the regulations of transport of dangerous goods.

**ADR/RID**

UN- or ID number	UN proper shipping name	Labels	Packing group	Tunnel restriction code
1760	CORROSIVE LIQUID, N.O.S.(benzalkoniumchloride) (Alkyldimethylbenzylammonium Chloride)	8	III	3 (E)

**IMDG**

UN- or ID number	UN proper shipping name	Labels	Packing group	EmS
1760	CORROSIVE LIQUID, N.O.S.(benzalkoniumchloride) (Alkyldimethylbenzylammonium Chloride)	8	III	F-A, S-B

**MARINE POLLUTANT**

Yes

**IATA**

UN- or ID number	UN proper shipping name	Labels	Packing group
1760	CORROSIVE LIQUID, N.O.S.(benzalkoniumchloride)	8	III

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

UN- or ID number	UN proper shipping name	Labels	Packing group
	(Alkyldimethylbenzylammonium Chloride)		

#### 14.5. Environmental hazards

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.

This product contains substances, which may cause adverse long-term effects to the aquatic environment.

#### 14.6. Special precautions for user

Not applicable

#### 14.7. Maritime transport in bulk according to IMO instruments

No data available

### SECTION 15: Regulatory information

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

##### Restrictions for application

Restricted to professional users.

People under the age of 18 shall not be exposed to this product.

##### Demands for specific education

No specific requirements

##### SEVESO - Categories / dangerous substances

E1 - ENVIRONMENTAL HAZARDS, Qualifying quantity (lower-tier): 100 tonnes / (upper-tier): 200 tonnes

##### Additional information

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

##### Sources

The Management of Health and Safety at Work Regulations 1999

Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents.

Control of Major Accident Hazards (COMAH) Regulations 2015.

Regulation (EU) No 528/2012 of the European Parliament and of the Council of 22 May 2012 concerning the making available on the market and use of biocidal products.

Regulation (EU) No 1357/2014 of 18 December 2014 on waste.

CLP Regulation (EC) No 1272/2008, as retained and amended in UK law.

EC-Regulation 1907/2006 (REACH), as amended by UK REACH Regulations SI 2019/758

#### 15.2. Chemical safety assessment

No

### SECTION 16: Other information

#### Full text of H-phrases as mentioned in section 3

H302, Harmful if swallowed.

H314, Causes severe skin burns and eye damage.

H400, Very toxic to aquatic life.

H410, Very toxic to aquatic life with long lasting effects.

#### Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway

ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate

BCF = Bioconcentration Factor

CAS = Chemical Abstracts Service

CE = Conformité Européenne

According to EC-Regulation 1907/2006 (REACH), annex II, including changes implemented by EC-Regulation 2020/878

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]  
 CSA = Chemical Safety Assessment  
 CSR = Chemical Safety Report  
 DMEL = Derived Minimal Effect Level  
 DNEL = Derived No Effect Level  
 EINECS = European Inventory of Existing Commercial chemical Substances  
 ES = Exposure Scenario  
 EUH statement = CLP-specific Hazard statement  
 EWC = European Waste Catalogue  
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
 IARC = International Agency for Research on Cancer (IARC)  
 IATA = International Air Transport Association  
 IBC = Intermediate Bulk Container  
 IMDG = International Maritime Dangerous Goods  
 LogPow = logarithm of the octanol/water partition coefficient  
 MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
 OECD = Organisation for Economic Co-operation and Development  
 PBT = Persistent, Bioaccumulative and Toxic  
 PNEC = Predicted No Effect Concentration  
 RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail  
 RRN = REACH Registration Number  
 SCL = A specific concentration limit.  
 SVHC = Substances of Very High Concern  
 STOT-RE = Specific Target Organ Toxicity - Repeated Exposure  
 STOT-SE = Specific Target Organ Toxicity - Single Exposure  
 TWA = Time weighted average  
 UN = United Nations  
 UVCB = Complex hydrocarbon substance  
 VOC = Volatile Organic Compound  
 vPvB = Very Persistent and Very Bioaccumulative

#### Additional information

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP)

The classification of the substance/mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP)

#### ▼ The safety data sheet is validated by

MH

#### Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.

The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.

It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.

Country-language: GB-en