

Product name: **Stonesil Aqua****SECTION 1 Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****Business name:** Stonesil Aqua**Chemical name:** an aqueous emulsion based on polysiloxanes and alkyalkoxysilane**CAS number:** –**ES number (EINECS):** –**Other names of the mixture:** –**1.2 Relevant identified uses of the mixture and uses advised against:**

Identified uses: Stonesil Aqua is used as a water repellent. Uses advised against: not specified.

1.3 Details of the supplier of the safety data sheet**Business name:** Lučební závody a.s. Kolín**Registered office:** Pražská 54, 280 90 Kolín**Tel.:** 321 741 111**E-mail:** simunkova@lucebni.cz**1.4 Emergency telephone number:****Emergency telephone number for the whole Czech Republic:** non-stop 224 91 92 93, 224 915 402, 224 914 570**Address:** Klinika nemocí z povolání (Department of Occupational Diseases), Toxikologické informační středisko (Toxicological Information Centre), Na bojišti 1, 128 08 Praha 2

information on acute human and animal poisoning

SECTION 2 Hazards identification**2.1 Classification of the mixture****Classification according to Regulation of the European Parliament and of the Council (EC) No. 1272/2008 (CLP):**

Eye Irrit 2	H319 – Causes serious eye irritation.
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The full text of the class codes is given in Section 16.

The most serious adverse physical and chemical, human health and environmental effects: Causes serious eye irritation.

2.2 Label elements:**Labelling according to Regulation No. 1272/2008 (CLP)**Identifiers: -Hazard pictograms

GHS07

Signal word

Warning

Hazard statements

H319 Causes serious eye damage.

Precautions for safe handling - prevention:

P280 Wear protective goggles.

Precautions for safe handling - reaction:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present

and easy to do. Continue rinsing.

Precautions for safe handling - storage: -

Precautions for safe handling - disposal: -

P501 Dispose of contents/container as hazardous waste in accordance with local regulations. Recycle empty emptied packages free of residual mixture.

Additional precautionary statements not included on the label:

P337+313' If eye irritation persists: Seek medical attention.

In accordance with Article 28(3) of Regulation of the European Parliament and of the Council (EC) No. 1272/2008, no more than six precautionary statements shall be included on the label unless necessary to indicate the nature and severity of the hazard.

2.3 Other hazards

PBT and vPvB assessment: the mixture or its ingredients do not meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No.1907/2006.

Information on other hazards which do not affect the classification but may contribute to the overall hazard: none.

SECTION 3 Composition/information on ingredients

Hazardous ingredients contained:

Ingredient	CAS number: EC number: REACH registration number:	Content (%w.):	Classification according to Directive No. 1272/2008/EC
Ethoxylated alcohol fatty acids C12-C15 (5-15 EO)	106232-83-1 932-186-2	< 5	Acute tox. 4; H302 Eye dam. 1; H318 Aquatic Chronic 3; H412
octyltriethoxysilane	2943-5-1 220-941-2	< 5	Skin Irrit. 2; H315
Impurities contributing to classification	-	-	-

For the full text of the H statements, see Section 16.

SECTION 4 First aid measures

4.1 Description of first aid measures

- **following inhalation:** first aid should not be necessary (remove the casualty to fresh air).
- **following skin contact:** Remove the contaminated clothes and wash the affected skin with soap and water, or treat with a suitable repair cream.
- **following eye contact:** Rinse with plenty of water for at least 10 minutes. Keep eyelids wide open so that the entire eye surface, including the eyelids, can be rinsed with water. Seek medical attention.
- **following ingestion:** first aid should not be necessary (rinse mouth with water, do not induce vomiting).
- In all serious cases, seek medical attention immediately and provide them with information from this sheet. The persons providing first aid must protect themselves.

4.2 Most important symptoms and effects, both acute and delayed: eye irritation

4.3 Indication of any immediate medical attention and special treatment needed: no special treatment needed

SECTION 5 Fire-fighting measures

5.1 Extinguishing media:

suitable extinguishing media: The fire-fighting measures should be directed to the surroundings and adapted to the nature of the fire.

unsuitable extinguishing media: not specified

5.2 Special hazards arising from the substance or mixture: -

5.3 Advice for fire-fighters: The mixture is non-flammable. Cool containers with water at risk of fire. Wear normal protective equipment, breathing apparatus.

SECTION 6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures: Personal protective equipment must be worn during the operation, see Section 8. Prevent unauthorized persons from accessing the danger area. Avoid breathing mist and sprayed liquids. The leaked product makes the surface slippery - avoid slipping.

6.2 Environmental precautions: Avoid soaking into the soil. Avoid the mixture from entering the sewage systems, water courses, reservoirs.

6.3 Methods and material for containment and cleaning up: Prevent further release of the mixture. Fill and absorb the spilled liquid on absorbent materials. Remove contaminated soil. Take the contaminated materials in closed containers for disposal. Contaminated materials must be treated as waste according to Section 13.

6.4 Reference to other sections: see Sections 8 and 13 for more information on exposure controls/personal protection and disposal instructions.

SECTION 7 Handling and storage

7.1 Precautions for safe handling: Wear protective equipment according to Section 8. Ventilation is recommended when handling the mixture. Avoid breathing mist and sprayed liquids. Do not eat, drink or smoke while working. Observe the principles of personal hygiene. Wash hands thoroughly with water and soap before or after eating, or use a suitable repair cream.

7.2 Conditions for safe storage, including any incompatibilities: Stonesil Aqua is stored in the original perfectly sealed packaging without access to air humidity, in covered storage areas at temperatures between +5°C and +40°C. Avoid contact with oxidizing agents. The mixture must be kept out of the reach of children. During storage, the usual precautions for storage of chemicals must be observed.

7.3 Specific end use: In addition to the recommended uses listed in Section 1.2, not specified..

SECTION 8 Exposure controls/personal protection

8.1 Control parameters:

The mixture contains substances for which the following maximum permissible concentrations in the working atmosphere are determined: Czech Republic (Government Regulation No. 351/2007 Coll.):

Name	CAS number	PEL (maximum permissible exposure limit)	MPC (maximum permissible concentration at the workplace)
Ethanol (produced by hydrolysis of octyl-trietoxysilane)	64-17-5	1,000 mg/m ³	3,000 mg/m ³

European Union (Directives No. 2000/39/EC, 2006/15/EC and 2009/161/EC): not specified

Derived No-Effect Level (DNEL): no data available for the mixture Estimated No-Effect Concentration (PNEC): no data available for the mixture

8.2 Exposure controls:

Appropriate technical controls: Ventilation is recommended when handling the mixture.

Individual protection measures, including personal protective equipment: Use personal protective equipment. Do not eat, drink or smoke while working. Avoid contact with eyes and skin. Do not inhale gases/vapours/aerosols. Wash hands thoroughly with water and soap before or after eating, or use a suitable repair cream.

Eye and face protection: Safety goggles (with a rim/an arch with protective sides) or face shield according to the nature of the work. Provide an eye wash facility at the workplace.

Skin protection:

- **hand protection:** Protective gloves.
- **other protection:** Protective work clothes and shoes.

Respiratory protection: Respiratory protection with a respirator, type A filter, is recommended when spraying the product.

The personal protective equipment in use should be inspected before use, kept in a usable condition, and the damaged equipment should be replaced.

Environmental exposure control: See Sections 6 and 12.

SECTION 9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	white liquid
Odour:	slightly alcoholic
Odour threshold:	not available
pH value (at 20°C):	3 – 6
Melting point/freezing point:	not available
Boiling point:	approximately 100°C
Flash point:	over 100°C
Evaporation rate:	not available
Flammability (solids, gases):	not flammable
Upper/lower flammability or explosive limits:	not available
Vapour pressure:	approximately 2.3 kPa (at 20°C)
Vapour density:	0.017 kg/m ³
Relative density (at 20°C):	1,000 kg/m ³
Solubility in water:	unlimited mixability
Partition coefficient: n-octanol/water:	not available
Auto-ignition temperature:	not available
Decomposition temperature:	not available
Viscosity:	1 - 5 mPa.s at 20°C
Explosive properties:	none
Oxidizing properties:	none

9.2 Additional information

Solubility in fats: not soluble

SECTION 10 Stability and reactivity

10.1 Reactivity: –

10.2 Chemical stability: stable under normal conditions

10.3 Possibility of hazardous reactions: –

10.4 Conditions to avoid: –

10.5 Incompatible materials: Strong oxidizing agents

10.6 Hazardous decomposition products: Under normal conditions the product does not decompose. Carbon monoxide, carbon dioxide, silica, formaldehyde (at higher temperatures).

SECTION 11 Toxicological information

11.1 Information on toxicological effects:

Acute toxicity: based on available data, the classification criteria are not met.

ethoxylated alcohol fatty acids C12-C15 (5-15 EO): LD50, oral: rat > 300 2,000 mg/kg

LD50, dermal: rabbit > 2,000 mg/kg

octyltriethoxysilane LD50, oral, rat (mg/kg) : > 2,000 mg/kg
LD50, dermal, rabbit (mg/kg) : > 2,000 mg/kg
LC50, inhalation, rat (mg/kg): no data available

Skin corrosion/irritation: based on available data, the classification criteria are not met (classification according to the substances contained ethoxylated alcohol fatty acids C12-C15 (5-15 EO)).

Serious eye damage/eye irritation: category 2 Causes serious eye irritation (classification according to the ingredients).

Respiratory/skin sensitization: based on available data, the classification criteria are not met (classification according to the ingredients).

Germ cell mutagenicity: based on available data, the classification criteria are not met (classification according to the ingredients).

Carcinogenicity: based on available data, the classification criteria are not met (classification according to the ingredients).

Reproductive toxicity: based on available data, the classification criteria are not met (classification according to the ingredients).

Specific target organ toxicity – single exposure: based on available data, the classification criteria are not met (classification according to the ingredients).

Target organ toxicity – repeated exposure: based on available data, the classification criteria are not met (classification according to the ingredients).

Aspiration hazard: based on available data, the classification criteria are not met (classification according to the ingredients).

SECTION 12 Ecological information:

12.1 Toxicity: No adverse effects on aquatic organisms are expected. ethoxylated alcohol fatty acids C12-C15 (5-15 EO):

Acute toxicity to fish: LC50, 96 h, flow test, *Cyprinus carpio* > 110 mg/l

Acute toxicity to invertebrates: EC50, 48 h, static test, *Daphnia magna* > 110 mg/l

Acute toxicity to algae: EC50, 72 h, static test, *Desmodesmus subspicatus* > 110 mg/l

Acute toxicity to micro-organisms: EC50, effect on activated sludge, respiratory inhibition > 140 mg/l

Acute toxicity to terrestrial higher plants: NOEC, *Lepidium sativum* (rhubarb) = 10 mg/kg

Chronic toxicity to invertebrates: NOEC, *Daphnia magna* = 0.17 mg/l

12.2 Persistence and degradability: ethoxylated alcohol fatty acids C12-C15 (5-15 EO): The product is biodegradable according to the OECD criteria. OECD 301B, biodegradation > 60%, 28 days, aerobic. The surfactants contained in this product comply with the biodegradability criteria of EP and EC Regulation No. 648/2004 on detergents.

octyltriethoxysilane: 12%/28 days - not readily biodegradable (OECD 301C) This product hydrolyses in water or humid air to form alcohols and organosilicones.

12.3 Bioaccumulative potential: bioaccumulation is unlikely

12.4 Mobility in soil: ethoxylated alcohol fatty acids C12-C15 (5-15 EO): Partition coefficient, soil organic carbon/water (Koc): > 5,000; QSAR. the mobility in soil is low. Strong bottom adsorption.

12.5 Results of PBT and vPvB assessment: The mixture and the ingredients are not classified as PBT or vPvB at the date of revision of the Safety Data Sheet. The ingredients of the mixture are not listed in Annex XIV of the REACH Regulation or in the Candidate List in Annex XIV of the REACH Regulation at the date of revision of the Safety Data Sheet.

12.6 Other adverse effects: Avoid soaking of the product into the soil. Avoid the product from entering the sewage systems, water courses, reservoirs.

Assessment carried out in analogy with similar products.

SECTION 13 Disposal considerations

13. Waste treatment methods

Methods of disposal for the mixture: In addition, any unusable mixture should be disposed of in accordance with local/national regulations.

Methods of disposal for the packaging: Packaging completely free of residues of the mixture can be recycled, taking into account local regulations.

Physical/chemical properties that may affect the way waste is handled: -

Waste code number: Only the intended use by the consumer allows classification - the waste code is determined according to the waste catalogue in agreement with the person authorized to dispose of the waste.

Proposal for classification according to the Waste Act No. 185/2001 Coll., as amended, and Decree No. 381/2001 Coll.: Mixture - 16 03 06

"Organic wastes other than those mentioned in 160305".

packaging - 15 01 02 "Plastic packaging".

SECTION 14 Transport information

14.1 UN number: Land transport ADR/RID: -

14.2 UN proper shipping name: Land transport ADR/RID: -

14.3 Transport hazard class/classes: Land transport ADR/RID: -

14.4 Packing group: Land transport ADR/RID: -

14.5 Environmental hazards: not hazardous

14.6 Special precautions for the user: -

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code: not transported

SECTION 15 Regulatory information

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

- Act No. 350/2011 Coll. on chemical substances and mixtures, including implementing regulations (Chemical Act)
- Regulation (EC) No. 1907/2006 on registration, evaluation, authorization and restriction of chemicals (REACH)
- Regulation (EC) No. 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP)
- Act No. 111/1994 Coll., on road transport, as later amended
- Act no. 114/1995 Coll., on inland waterway transport, as later amended
- Act No. 185/2001 Coll., on waste, as later amended
- Decree of the Ministry of the Environment No. 383/2001 Coll. Waste Catalogue
- Decree of the Ministry of the Environment No. 383/2001 Coll., on details of waste management (Waste Catalogue)
- Regulation No. 361/2007 Coll., as later amended, determining condition of occupational health protection
- Commission Directive No. 2000/39/EC of 8 June 2000 establishing the first list of indicative occupational exposure limit values in implementation of Council Directive No. 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work
- Commission Directive No. 2006/15/EC of 07 February 2006 establishing the second list of indicative occupational exposure limit values in implementation of Council Directive No. 98/24/EC and amending Directives No. 91/322/EEC and No. 2000/39/EC
- Commission Directive No. 2009/161/EU of 17 December 2009 establishing the third list of indicative occupational exposure limit values in implementation of Council Directive No. 98/24/EC and amending Commission Directive No. 2000/39/EC

15.2 Chemical safety assessment: not carried out as of the date of revision of the safety data sheet

SECTION 16 Additional information

For the full text of the H statements, see Sections 2 and 3:

Skin Irrit. 2 - Skin corrosion/irritation, category 2

Acute Tox. 4 - Acute toxicity, category 4

Eye Dam. 1 - Serious eye damage/irritation, category 1

Aquatic Chronic 3 - Hazardous to the aquatic environment, chronic toxicity, category 3

H302 - Harmful if swallowed.

H315 - Causes skin irritation.

H318 - Causes serious eye damage.

H412 Harmful to aquatic life with long lasting effects.

The classification of the mixture was based on the general concentration limits set out in Annex I to Regulation (EC) No. 1272/2008.

Information sources: specialized databases, literature and regulations related to chemical legislation

The information contained in this data sheet is given solely for the product specified and is in line with our current knowledge and experience and is not necessarily exhaustive. The user is responsible for handling in accordance with the existing legal regulations.

Changes from the previous edition are indicated by a vertical line on the right side of the text.