

Perform Stone Cleaner HD

Revision date 2023-06-01

Version 4

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

1.1 Product identifier	Perform Stone Cleaner HD
UFI	1K00-V0H9-000E-P9JS
Identification number	190039
1.2 Relevant identified uses of the substance or mixture and uses advised against	Cleaning agent for heavily soiled floors in natural stone
1.3 Details of the supplier of the safety data sheet	Ajour Trading Sweden AB Ekelidsvägen 7 SE-457 40 Fjällbacka Sweden
Telephone	+46 (0)31 870540
Homepage/E-mail	www.ajourtrading.com/info@ajourtrading.com
Emergency telephone	For poison information call, NHS 111 (England), NHS 24 (Scotland) or NHS Direct (Wales), in emergencies call 999.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification CLP (1272/2008/EC)

Corrosive to metals, Hazard Category 1; H290

Skin corrosion/irritation, Hazard Category 1B; H314

2.2 Label elements:

Pictogram



Signal Word: Danger

Containing substances

Sodium Metasilicate, Potassium hydroxide

Hazard statement Code(s)

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/physician.

2.3 Other hazards

This product is not considered to contain any substances that meet the criteria for classification as PBT or vPvB substances.

Does not contain an endocrine disruptor (EDC) in a concentration of $\geq 0.1\%$.

Perform Stone Cleaner HD

Revision date 2023-06-01

Version 4

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components	CAS-No EC-No Reg-No	Conc. %	Hazard Class and Category Code(s)	Hazard statement Code(s)*
Sodium Metasilicate Pentahydrate	10213-79-3 229-912-9 01-2119449811-37-xxxx	1 - 10	Met. Corr. 1 Skin Corr. 1B STOT SE 3	H290 H314 H335
Alcohol ethoxylate 6MEO	68439-46-3 614-482-0 -	5 - 10	Acute Tox. 4 Eye Dam. 1	H302 H318
Potassium hydroxide, in aqueous solution**	1310-58-3 215-181-3 01-2119487136-33-xxxx	2 - <5	Acute Tox. 4 Skin Corr. 1A	H302 H314

* The full text of Hazard statement Codes is listed under section 16.

** SCL = Specific concentration limits

Eye Irrit. 2; H319: $0,5 \% \leq C < 2 \%$

Skin Corr. 1A; H314: $C \geq 5 \%$

Skin Corr. 1B; H314: $2 \% \leq C < 5 \%$

Skin Irrit. 2; H315: $0,5 \% \leq C < 2 \%$

Composition Comments

Ingredients not listed are classified as non-hazardous or at a concentration below reportable levels.

The classification is based on information from the chemical supplier and www.echa.europa.eu (Databases)

SECTION 4: First aid measures

4.1 Description of first aid measures:

General Information

In all cases of doubt, or when symptoms persist, seek medical advice. Keep person warm and calm.

Never give fluids or induce vomiting if patient is unconscious.

Inhalation

Fresh air.

Skin contact

Immediately, take off all contaminated clothing. Wash with soap and water for several minutes. Corrosive burns must be treated by a doctor.

Eye contact

Important! Rinse immediately with water for at least 15 minutes. Hold eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Go to hospital or eye specialist. If possible, continue to rinse during transport.

Ingestion

Rinse mouth with water and drink several glasses of water or milk. Do not provoke vomiting unless directed by medical personnel. Go to doctor.

Perform Stone Cleaner HD

Revision date 2023-06-01

Version 4

SECTION 4: First aid measures

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

Inhalation: Might be irritating if inhaled. (Irritations , cough)
Skin contact: May cause chemical burns with blisters and sores which may be difficult to heal.
Eye contact: Give severe pain and irritation. May severely injure the eyes.
Ingestion: Corrosive in the mouth, throat and gastrointestinal tract. Ingestion can cause nausea, pain, vomiting. Vomiting may aggravate the injury.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Powder, carbon dioxide, foam or water spray.

5.2 Special hazards arising from the substance or mixture

Do not breathe fumes. During fire, gases hazardous to health may be formed.

5.3 Advice for firefighters

Wear a self-contained breathing apparatus and protective clothing.

Additional information

Cool endangered containers with water in case of fire. Move containers from fire area if it can be done without risk.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment.

Avoid contact with skin and eyes.

Ensure adequate ventilation.

Risk of slipping.

6.2 Environmental precautions

Do not flush larger amounts into surface water or sanitary sewer system.

6.3 Methods and material for containment and cleaning up

Re-use product if possible. Small quantities may be wiped up with a cloth. Use protective gloves.

Larger spill: Contain spill with inert material. Absorb in e.g. vermiculite, dry sand or earth. Rinse with water.

6.4 Reference to other sections

For handling and storage, see section 7.

For personal protection, see section 8.

Collected waste is placed in closed metal containers and disposed of as waste according to section 13.

Perform Stone Cleaner HD

Revision date 2023-06-01

Version 4

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Use personal protective equipment.
 Avoid contact with skin and eyes.
 Read instructions before use.
 Normal precautions taken when handling chemicals should be observed.
 Provide eyewash station.

7.2 Conditions for safe storage, including any incompatibilities

Store in tightly closed container.
 Store in temperatures between 5 - 30°C.
 Keep away from strong acids.

7.3 Specific end use(s)

-

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Appropriate engineering controls

Provide adequate ventilation through local exhaust ventilation or generally good ventilation.
 Provide eyewash station.

Exposure limits

Swedish limit values (AFS 2018:1/2020:6)

Substance	CAS-No	Level limit value	Ceiling limit value	Note
Potassium hydroxide, inhalable dust	1310-58-3	1 mg/m ³	2 mg/m ³	-

British limit values (EH40/2005 Workplace exposure limits)

Substance	CAS number	Long-term exposure limit (8-hr TWA reference period)	Short-term exposure limit (15-minute reference period)	Comments
Potassium hydroxide	1310-58-3	-	2 mg/m ³	-

DNEL

Sodium Metasilicate Pentahydrate (10213-79-3)	Long term exposure - Consumers Systematic effects, oral: 0.74 mg/kg/day Long term exposure - Workers Systematic effects, inhalation: 6.22 mg/m ³ Long term exposure - Consumers Systematic effects, inhalation: 1.55 mg/m ³ Long term exposure - Workers Systematic effects, dermal: 1.49 mg/kg/day Long term exposure - Consumers Systematic effects, dermal: 0.74 mg/kg/day
Potassium hydroxide (1310-58-3)	Long term exposure - Workers Local effects, inhalation: 1 mg/m ³ Long term exposure - Consumers Local effects, inhalation: 1 mg/m ³

Perform Stone Cleaner HD

Revision date 2023-06-01

Version 4

SECTION 8: Exposure controls/personal protection (...)

PNEC

Sodium Metasilicate Pentahydrate (10213-79-3)	7.5 mg/l	Freshwater
Sodium Metasilicate Pentahydrate (10213-79-3)	1 mg/l	Seawater
Sodium Metasilicate Pentahydrate (10213-79-3)	7.5 mg/l	Water (Periodic)
Sodium Metasilicate Pentahydrate (10213-79-3)	1000 mg/l	Sewage Treatment Plant

8.2 Exposure controls:

General protective and hygiene measures

Wash hands before breaks and after work.

Handle in accordance with good industrial hygiene and safety practice.

Individual protection measures, such as personal protective equipment:

Always consult a competent person/supplier when selecting personal protective equipment.

Respiratory protection

Normally not needed. In case of creation of vapours, wear suitable respiratory equipment approved for this purpose.

Eye protection

Wear tightly fitting protective goggles.

Hand protection

Use chemical-resistant gloves. (E.g. Nitrile rubber, Butyle rubber) When selecting gloves, several parameters should be taken into account, use, handling, break thru time.

Clothing requirements

Wear chemical-resistant protective clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Transparent
Odour	Not determined
Melting point/freezing point (°C):	<0
Boiling point or initial boiling point and boiling range	~100
Flammability	Not determined
Lower and upper explosion limit	Not determined
Flash point (°C):	Not determined
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
pH	Not determined
Kinematic viscosity	Not determined
Solubility	Soluble in water
Partition coefficient n-octanol/water (log value)	Not determined
Vapour pressure	Not determined
Density and/or relative density	1100 kg/m ³
Relative vapour density	Not determined
Particle characteristics	Not relevant. The product is a liquid.

9.2 Other information: No specific.

Perform Stone Cleaner HD

Revision date 2023-06-01

Version 4

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under recommended storage and handling conditions.

10.2 Chemical stability

Stable under recommended storage and handling conditions.

10.3 Possibility of hazardous reactions

None under recommended handling conditions.

10.4 Conditions to avoid

None under recommended handling conditions.

10.5 Incompatible materials

Avoid contact with strong acids. May be corrosive to metals.

10.6 Hazardous decomposition products

None under recommended handling conditions.

SECTION 11: Toxicological information

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

See section 4. (Most important symptoms and effects, both acute and delayed)

Irritating/corrosive properties

Causes severe skin burns and eye damage.

Acute toxicity

Not classified as acutely toxic according to CLP.

Toxicology data

Information about this preparation is not available.

Toxicology data for the containing components:

Sodium Metasilicate Pentahydrate (10213-79-3)	LD ₅₀ Oral rat: 1152 - 1349 mg/kg LC ₅₀ Inhaled rat: >2,06 g/m ³ LD ₅₀ Dermal rat: >5000 mg/kg NOAEL Oral rat: 227 mg/kg bw/d
Alcohol ethoxylate 6MEO (68439-46-3)	LD ₅₀ Oral: >300 - ≤2000 mg/kg LD ₅₀ Dermal: >2000 - ≤5000 mg/kg
Potassium hydroxide (1310-58-3)	LD ₅₀ Oral rat: 333 mg/kg

Specific target organ toxicity (STOT) single and repeated exposure

No known.

Routes of exposure:

Eyes and skin, ingestion, inhalation.

Allergenic potential

The product is not classified as allergenic by inhalation or skin contact.

Carcinogenicity, mutagenicity and toxicity for reproduction

This product is not classified as carcinogen, mutagen or toxic for reproduction.

Aspiration hazard.

No

11.2 Information on other hazards

Does not contain an endocrine disruptor (EDC) in a concentration of ≥0.1%.

Perform Stone Cleaner HD

Revision date 2023-06-01

Version 4

SECTION 12: Ecological information

This product is not classified as dangerous for the environment.
Do not flush into surface water or sanitary sewer system.

12.1 Toxicity

Information about this preparation is not available.

Toxicology data for the containing components:

Disodium metasilicate (10213-79-3)	LC ₅₀ Fish 96h: 210 mg/l Sp: Brachydanio rerio EC ₅₀ Daphnia 48h: 1700 mg/l
Alcohol ethoxylate 6MEO (68439-46-3)	LL/EL/IL ₅₀ Fish: >1 - ≤10 mg/l LC/EC/IC ₅₀ Fish: >1 - ≤10 mg/l NOEC/NOEL Fish: >1.0 - ≤10 mg/l NOEC/NOEL Daphnia: >1.0 - ≤10 mg/l LC/EC/IC ₅₀ Bakteria: >100 mg/l
Potassium hydroxide (1310-58-3)	LC ₅₀ Fish 96h: 80 mg/l EC ₅₀ Daphnia 48h: 40 - 240 mg/l

12.2 Persistence and degradability

Disodium metasilicate (10213-79-3) - Inorganic. Soluble silicates come upon dilution rapidly depolymerized to molecular variants that are indistinguishable from natural dissolved silica.

Alcohol ethoxylate 6MEO (68439-46-3) - Readily biodegradable.

Potassium hydroxide (1310-58-3) - Composed only of inorganic compounds which are not biodegradable.

12.3 Bioaccumulative potential

Inorganic. The substance has no potential for bioaccumulation - Disodium metasilicate (10213-79-3)

Bioaccumulation not expected - Potassium hydroxide (1310-58-3)

Bioaccumulation not expected - Alcohol ethoxylate 6MEO (68439-46-3)

12.4 Mobility in soil

Soluble in water.

12.5 Results of PBT and vPvB assessment

This product is not considered to contain any substances that meet the criteria for classification as PBT or vPvB substances.

12.6 Endocrine disrupting properties

Does not contain an endocrine disruptor (EDC) in a concentration of ≥0.1%.

12.7 Other adverse effects

No known.

SECTION 13: Disposal considerations

13.1 Waste treatment methods:

The product

Dispose of in accordance with local authority requirements. Do not empty into drain. Hazardous waste.

Suggested EWC code: Depends on line of business and use. for example:

20 01 29* detergents containing dangerous substances.

Disposal of Packaging

Empty and cleaned packaging can be recycled.

Perform Stone Cleaner HD

Revision date 2023-06-01

Version 4

SECTION 14: Transport information

14.1 UN number or ID number

1760

14.2 UN proper shipping name

CORROSIVE LIQUID N.O.S (POTASSIUM HYDROXIDE)

14.3 Transport hazard class(es)

8

14.4 Packing group

III

14.5 Environmental hazards

Marine Pollutant: No

14.6 Special precautions for user

-

14.7 Maritime transport in bulk according to IMO instruments

-

Tunnel restriction code

(E)

LQ

5L

SECTION 15: Regulatory information

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

Classification according to Regulation (EC) No. 1907/2006 annex II and EC/2020/878. EH40/2005.

Chemical safety assessment

No chemical safety assessment performed.

SECTION 16: Other information

The full text of Hazard statement Codes listed under section 3

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.

The user of this product must decide if the information in this safety data sheet is sufficient for which the product will be used.

Version 4: 2023-06-01

Safety data sheet according to Regulation (EC) No. 1907/2006 annex II and EC/2020/878.

Previous versions:

Version 1: 2013-04-02

Version 2: 2015-01-05

Version 3: 2017-02-13. Changes have been made in Section 1, 2, 3, 8, 11 and 16.

Perform Stone Cleaner HD

Revision date 2023-06-01

Version 4

SECTION 16: Other information (...)

Sources

Safety data sheet provided by the manufacturer.

CLP-regulation, www.kemi.se, EH40/2005. www.echa.europa.eu (Databases)

Explanation of abbreviations

BCF: Bio Concentration Factor.

CAS-nr Chemical Abstracts Service number

EC₅₀: Effect Concentration

IMDG: International Maritime Dangerous Goods Code.

LC₅₀: Lethal Concentration

LD₅₀: Lethal Dose

NOEC: No Observed Effect Concentration

PBT- substances: Persistent, Bio accumulative and Toxic substances.

vPvB- substances: Very persistent and Very Bio accumulative substances.