

Trade name: STEAMER

Substance number: SUB302020550000

Version: 5 / EU

Date revised: 26.11.2015

the date of issue: 06.03.07

Replaces Version: 4 / EU

Print date: 22.12.15

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

1.1. Product identifier

STEAMER

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

Use of the substance/preparation

Liquid cleanser for cook- and steam equipment for the manual cleaning. For industrial application only.

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

HAGLEITNER HYGIENE International GmbH
Lunastrasse 5
A-5700 Zell am See
Telephone no. +43 (0)5 0456
Fax no. +43 (0)5 0456 7777
E-Mail regulatoryaffairs@hagleitner.at
Information provided by / telephone Regulatory Affairs
E-mail address of person responsible for this SDS regulatoryaffairs@hagleitner.at

Address/Supplier

HAGLEITNER HYGIENE International GmbH
Lunastrasse 5
AT5700 Zell am See
Telephone no. +43 (0)5 0456
Fax no. +43 (0)5 0456 7777
E-mail address of person responsible for this SDS regulatoryaffairs@hagleitner.at

1.4. Emergency telephone number

Anti Poison Center Vienna: +43 (0)1 406 43430

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)

Met. Corr. 1	H290
Skin Corr. 1A	H314
Eye Dam. 1	H318

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008
For explanation of abbreviations see section 16.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms

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**Signal word**

Danger

Hazard statements

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

Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains Potassium hydroxide

For industrial application only.

2.3. Other hazards

No special hazards have to be mentioned.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Hazardous ingredients (Regulation (EC) No. 1272/2008)****Potassium hydroxide**

CAS No.	1310-58-3				
EINECS no.	215-181-3				
Registration no.	PRE				
Concentration	>= 5	<	10		%

Classification (Regulation (EC) No. 1272/2008)

Acute Tox. 4	H302
Skin Corr. 1A	H314

Concentration limits (Regulation (EC) No. 1272/2008)

Skin Corr. 1B	H314	>= 2 < 5
Skin Corr. 1A	H314	>= 5
Skin Irrit. 2	H315	>= 0,5 < 2
Eye Irrit. 2	H319	>= 0,5 < 2

Ingredients (Regulation (EC) No 648/2004)

less than 5 %:
 phosphonates
 amphoteric surfactants

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

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Remove contaminated, soaked clothing immediately and dispose of safely.

After inhalation

When spray fog inhaled, seek medical aid immediately and show the physician the packing or the packing label. Ensure supply of fresh air. In the event of symptoms take medical treatment.

After skin contact

After contact with skin, wash immediately with plenty of water. Seek medical advice immediately.

After eye contact

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Shield unaffected eye. Eye treatment by an Oculist.

After ingestion

Do not induce vomiting. Drink water in small gulps. Never give anything by mouth to an unconscious person. Take medical treatment.

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

The following symptoms may occur: Shortness of breath, Coughing

4.3. Indication of any immediate medical attention and special treatment needed**Hints for the physician / hazards**

Risk of stomach perforation; Risk of respiratory disorders

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Water spray jet, Foam, ABC powder, Product itself is non-combustible; adapt fire extinguishing measures to surrounding areas.

Non suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

None known

5.3. Advice for firefighters**Special protective equipment for fire-fighting**

Wear full protective suit. In case of combustion use a suitable breathing apparatus.

Other information

Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations. Cool endangered containers with water spray jet.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Use personal protective clothing. High risk of slipping due to leakage/spillage of product. Avoid contact with skin, eyes and clothing. Refer to protective measures listed in Sections 7 and 8.

6.2. Environmental precautions

Do not discharge into surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

Take up with absorbent material (eg sand, kieselguhr, universal binder). Rinse away rest with plenty of water. Dispose of as prescribed.

6.4. Reference to other sections

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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	liquid, clear			
Colour	colourless			
Odour	almost odourless			
pH value				
Value	appr.	13	to	14
Concentration/H ₂ O		100	%	
Temperature		20	°C	
Remarks	strongly alkaline			
Freezing point				
Value	appr.	-4	to	4 °C
Sublimation point				
Remarks	not determined			
Initial boiling point and boiling range				
Value	appr.	100		°C
Flash point				
Value	>		to	100 °C
Remarks	Not applicable			
Evaporation rate				
Remarks	not determined			
Evaporation rate (ether = 1) :				
Remarks	not determined			
Upper/lower flammability or explosive limits				
Remarks	Not applicable			
Vapour pressure				
Remarks	not determined			
Vapour density				
Remarks	not determined			
Density				
Value		1,05		g/cm ³
Temperature		20	°C	
Solubility in water				
Remarks	Completely miscible			
Solubility(ies)				
Remarks	not determined			
Partition coefficient: n-octanol/water				
Remarks	not determined			
Ignition temperature				
Remarks	Not applicable			
Decomposition temperature				
Remarks	No decomposition if used as prescribed.			
Viscosity				
Remarks	not determined			
Oxidising properties				

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Remarks Not applicable

9.2. Other information**Bulk density**

Remarks not determined

Packed bulk density

Remarks not determined

Solids content

Remarks not determined

Surface tension

Remarks not determined

Other information

None known

SECTION 10: Stability and reactivity**10.1. Reactivity**

Reactions with acids and strong oxidising agents.

10.2. Chemical stability

Protect from extreme heat and cold.

10.3. Possibility of hazardous reactions

Protect from contamination.

10.4. Conditions to avoid

Do not store at temperatures below -5 °C.

Decomposition temperature

Remarks No decomposition if used as prescribed.

10.5. Incompatible materials

Product reacts with: Acids, Oxidising agents

10.6. Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute oral toxicity**ATE 5.550 mg/kg
Method calculated value (Regulation (EC) No. 1272/2008)**Skin corrosion/irritation**

evaluation strongly corrosive

Serious eye damage/irritation

evaluation strongly corrosive

Sensitization

evaluation non-sensitizing

Subacute, subchronic, chronic toxicity

Remarks No data available

Mutagenicity

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Remarks No data available

Reproductive toxicity

Remarks No data available

Carcinogenicity

Remarks No data available

Specific Target Organ Toxicity (STOT)

Remarks No data available

Experience in practice

The product has a strong caustic effect on the skin, eyes and mucous membranes.

Other information

Product specific toxicological data are not known.

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

Reference substance	Potassium hydroxide
CAS No.	1310-58-3
Species	rainbow trout (<i>Oncorhynchus mykiss</i>)
LC50	45,4 mg/l
Duration of exposure	96 h
Source	Literature value

Reference substance	[[[(phosphonomethyl)imino]bis[(ethylenenitrilo)bis(methylene)]]tetrakisphonic acid, sodium salt
CAS No.	22042-96-2
Species	rainbow trout (<i>Oncorhynchus mykiss</i>)
LC50	> 180 mg/l
Duration of exposure	96 h
Source	Literature value

Reference substance	[[[(phosphonomethyl)imino]bis[(ethylenenitrilo)bis(methylene)]]tetrakisphonic acid, sodium salt
CAS No.	22042-96-2
Species	Bluegill (<i>Lepomis macrochirus</i>)
LC50	758 mg/l
Duration of exposure	96 h
Source	Literature value

Reference substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts
CAS No.	61789-40-0
Species	golden orfe (<i>Leuciscus idus</i>)
LC50	6,7 mg/l

Daphnia toxicity

Reference substance	Potassium hydroxide
CAS No.	1310-58-3
Species	Ceriodaphnia spec
LC50	40 mg/l
Duration of exposure	48 h
Remarks	After neutralization no more toxicity can be observed.

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Source	Literature value
Reference substance	[[[(phosphonomethyl)imino]bis[(ethylenenitrilo)bis(methylene)]]tetrakisphonic acid, sodium salt
CAS No.	22042-96-2
Species	Daphnia magna
EC50	242 mg/l
Duration of exposure	48 h
Source	Literature value
Reference substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts
CAS No.	61789-40-0
Species	Daphnia magna
EC50	6,5 mg/l
Duration of exposure	48 h
Method	OECD TG 202
Source	Literature value

Algae toxicity

Reference substance	[[[(phosphonomethyl)imino]bis[(ethylenenitrilo)bis(methylene)]]tetrakisphonic acid, sodium salt
CAS No.	22042-96-2
Species	Selenastrum capricornutum
EC50	1,6 mg/l
Duration of exposure	96 h
Source	Literature value
Reference substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts
CAS No.	61789-40-0
EC50	30 mg/l

Bacteria toxicity

Reference substance	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts
CAS No.	61789-40-0
EC0	> 10 g/l

12.2. Persistence and degradability**General information**

No data available

12.3. Bioaccumulative potential**General information**

No data available

Partition coefficient: n-octanol/water

Remarks not determined

12.4. Mobility in soil**General information**

No data available

12.5. Results of PBT and vPvB assessment

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Not applicable

12.6. Other adverse effects**General information**

not determined

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations for the product**EWC waste code 20 01 15* alkalines
Dispose of as hazardous waste.**Disposal recommendations for packaging**EWC waste code 20 01 39 plastics
Completely emptied packagings can be given for recycling.**SECTION 14: Transport information****Land transport ADR/RID****14.1. UN number**

UN 1814

14.2. UN proper shipping name

POTASSIUM HYDROXIDE SOLUTION

14.3. Transport hazard class(es)Class 8
Label 8**14.4. Packing group**Packing group II
Limited Quantity 1 I
Transport category 2**14.5. Environmental hazards**

-

Tunnel restriction code E

**Marine transport IMDG/GGVSee****14.1. UN number**

UN 1814

14.2. UN proper shipping name

POTASSIUM HYDROXIDE SOLUTION

14.3. Transport hazard class(es)

Class 8

14.4. Packing group

Packing group II

14.5. Environmental hazards

-

Air transport ICAO/IATA**14.1. UN number**

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UN 1814

14.2. UN proper shipping name

POTASSIUM HYDROXIDE SOLUTION

14.3. Transport hazard class(es)

Class 8

14.4. Packing group

Packing group II

14.5. Environmental hazards

-

Information for all modes of transport**14.6. Special precautions for user**

The relevant transport regulations have to be considered.

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

not determined

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****less than 5 %:**

amphoteric surfactants, phosphonates, polycarboxylates

VOC

VOC (CH) = 0,01 %

VOC (EU) = 0,01 %

15.2. Chemical safety assessment

For this preparation a chemical safety assessment has not been carried out.

SECTION 16: Other information

Alterations/supplements: Alterations to the previous edition are marked with an asterisk (*) in the left-hand margin.

Hazard statements listed in Chapter 3

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

CLP categories listed in Chapter 3

Acute Tox. 4 Acute toxicity, Category 4

Skin Corr. 1A Skin corrosion, Category 1A

Abbreviations

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route

CAS: Chemical Abstracts Service

IMDG: International Maritime Code for Dangerous Goods

EAK: Europäischer Abfallkatalog

EINECS: European Inventory of Existing Commercial Chemical Substances

VOC: Volatile Organic Compound

INCI: International Nomenclature of Cosmetic Ingredients

MAK: Maximale Arbeitsplatz-Konzentration

REACH: Registration, Evaluation, Autohorisation and Restriction of Chemicals

NOEL: No observable effect level

NOEC: No observable effect concentration

LD: Lethal dose

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LC: Lethal concentration

GHS: Globally Harmonized System of classification and Labelling of Chemicals

EU: European Union

EC: European Community

IMO: International Maritime Organization

RID: Règlement concernant le transport international ferroviaire de marchandises dangereuses

DNEL: Derived no effect level

DMEL: Derived minimal effect level

PNEC: Predicted no effect concentration

CEFIC: European Chemical Industry Council

UN: United Nations

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.

