

# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN GASTRO PROFESSIONAL Ovens, grills

Date of revision: 04. 10. 2024

Version: 3.1

Replaced version from: 19. 03. 2024

Date of issue: 29. 09. 2021

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

#### 1.1. Product identifier

**Product Name**

**CLEAMEN GASTRO PROFESSIONAL Ovens, grills**

**UFI code**

UFI: AFR0-Y0XR-W009-D783

**Product code**

None.

**Mixture description**

An aqueous solution.

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

**Identified uses**

Liquid agent for direct use for removing burns from fan forced ovens, grills, deep fryers, parts of air filters etc.  
For professional use only.

**Uses advised against**

Not to be used on aluminium and materials non-resistant to alkaline.  
It is recommended to use it only for the intended use. Other uses may expose users to unpredictable risks.

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

**CORMEN s.r.o.**

Věchnov 73

593 01

Czech Republic

Tel.: +420 566 550 961

Fax: +420 566 551 822

e-mail address for a competent person responsible for the SDS: [info@cormen.cz](mailto:info@cormen.cz)

#### 1.4. Emergency telephone number

112 (General emergency phone).

### SECTION 2: Hazards identification

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

The mixture is classified as **hazardous** according to regulation 1272/2008/EC.

**Classification according to 1272/2008/EC**

# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN GASTRO PROFESSIONAL Ovens, grills

Met. Corr. 1; H290  
Acute Tox. 4; H302  
Skin Corr. 1A; H314  
Eye Dam. 1; H318

Full text of classifications and H-phrases: see section 16.

### **The most important adverse physical, human health and environmental effects**

May be corrosive to metals. Harmful if swallowed. Causes severe skin burns and eye damage.

## 2.2. Label elements

### Hazard pictograms



### Signal word

Danger.

### Substances of the mixture to be placed on the label

Contains Potassium hydroxide, Sodium hydroxide, Alcohols, C12-14, ethoxylated.

### Hazard statements

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.

### Precautionary statements

P234	Keep only in original packaging.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P310	Immediately call a POISON CENTER/doctor.
P501	Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. <b>Dispose of the cleaned packaging without any residual product content in the sorted waste.</b>

### Supplemental hazard information

Mandatory additional information is not required according to CLP regulation.

Composition according to regulation 648/2004/EC on detergents: < 5% amphoteric surfactants, non-ionic surfactants, phosphonates, perfumes, LIMONENE.

## 2.3. Other hazards

# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN GASTRO PROFESSIONAL Ovens, grills

Mixture does not contain substance(s) meeting the criteria for persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) in accordance with Annex XIII of REACH regulation. The mixture and its substances are not mentioned on the Candidate list for possible inclusion in Annex XIV of REACH at the date of the revision of the safety data sheet (established in accordance with Article 59(1) of REACH regulation., Mixture does not contain the substance(s) identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### 3.2.1. Substances of a mixture classified as hazardous

Identification of substance	Content wt. %	Classification according to 1272/2008/EC
<b>Potassium hydroxide; Caustic potash</b>		
CAS Number 1310-58-3	15 - < 30	Met. Corr. 1; H290 Acute Tox. 4; H302 Skin Corr. 1A; H314
EC Number 215-181-3		
Index Number 019-002-00-8		
Registration Number 01-2119487136-33-XXXX		
The substance has specific concentration limits:		
Skin Corr. 1A; H314	$C \geq 5 \%$	
Skin Corr. 1B; H314	$2 \% \leq C < 5 \%$	
Skin Irrit. 2; H315	$0.5 \% \leq C < 2 \%$	
Eye Irrit. 2; H319	$0.5 \% \leq C < 2 \%$	
<b>Sodium hydroxide; Caustic soda</b>		
CAS Number 1310-73-2	1 - < 10	Met. Corr. 1; H290 Skin Corr. 1A; H314 Eye Dam. 1; H318
EC Number 215-185-5		
Index Number 011-002-00-6		
Registration Number 01-2119457892-27-XXXX		
The substance has specific concentration limits:		
Skin Corr. 1A; H314	$C \geq 5 \%$	
Skin Corr. 1B; H314	$2 \% \leq C < 5 \%$	
Skin Irrit. 2; H315	$0.5 \% \leq C < 2 \%$	
Eye Irrit. 2; H319	$0.5 \% \leq C < 2 \%$	
<b>Alcohols, C12-14, ethoxylated</b>		
CAS Number 68439-50-9	1 - < 10	Acute Tox. 4; H302 Eye Dam. 1; H318 Aquatic Chronic 3; H412
EC Number not given		
Index Number not given		
Registration Number not yet available		

Full text of classifications and H-phrases: see section 16.

### SECTION 4: First aid measures

# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN GASTRO PROFESSIONAL Ovens, grills

In all cases keep the victim at physical and mental rest and warm. In case of doubt or if symptoms persist, seek medical attention. Never give anything by mouth if victim is rapidly losing consciousness, unconscious or convulsing. Protect yourself during rescue work.

### 4.1. Description of first aid measures

#### **Inhalation**

Interrupt the exposure, move the person to the fresh air. In case of persistent nausea, seek medical advice.

#### **Skin contact**

Remove contaminated clothing, shoes, and wash thoroughly with water (preferably lukewarm) and soap. Do not use solvents or thinners. Seek medical advice.

#### **Eye contact**

Rinse with a gentle stream of water for at least 15 minutes. Keep your eyelids wide open with your thumb and forefinger. If the affected person is wearing contact lenses, remove them before rinsing eyes if it is easy. Seek medical advice.

#### **Ingestion**

Rinse your mouth and then drink plenty of water. Do not induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. Seek medical advice.

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

Are not known.

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

Treat symptomatically and supportively.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### **Suitable extinguishing media**

The product is non-flammable. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### **Unsuitable extinguishing media**

Solid streams of water may be ineffective.

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

In case of fire extinguishing prevent leakage of water and rest of product into drains. Collect them separately and dispose of safely in accordance with current legislation and applicable local regulations.

In case of fires, hazardous combustion gases are formed: carbon oxides and products of incomplete combustion.

### 5.3. Advice for firefighters

Stop further leakage of product if possible. Spilled product, which does not burn, cover with sand or foam. Move containers and barrels away from the fire to a safe place, if possible. Cool all affected containers down with flooding quantities of water. If the fire can't be extinguished - evacuate the premises.

In case of fire, wear suitable respiratory protective equipment and fire-fighting suit.

## SECTION 6: Accidental release measures

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

# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN GASTRO PROFESSIONAL Ovens, grills

Avoid contact with skin and eyes, use suitable protective equipment and clothing, see Section 8. Ensure adequate ventilation. Avoid formation of vapour and aerosol. At the point of leakage, prevent the movement of unauthorized persons.

### 6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. If this cannot be avoided, inform the competent authorities (police and firefighters) immediately.

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

According to the amount of spilled liquid, drain away the substance (large spillage) or in case of small spillage, absorb it with suitable absorbent (vermiculite, dry sand), put into labelled closed containers and dispose of them accordingly to Section 13. Flush residues with water and collect it for waste disposal. Do not use solvents or dispersants unless instructed by an expert or government authority.

If container is damaged, remove the content to the new undamaged container and label it properly again.

### 6.4. Reference to other sections

Refer also to the provisions of sections 7, 8 and 13 of this safety data sheet.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Avoid contact with skin and eyes. Personal protection see. Section 8. Ensure good ventilation to prevent formation of vapor and aerosol.

Smoking, eating and drinking should be prohibited at the place of use. Keep safety regulations for handling chemicals. Take off contaminated clothing and protective equipment before entering the dining area. Do not use dirty clothing. After work wash yourself carefully with warm water and soap, take a shower. Use protective cream.

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

Store in original, tightly closed containers, in a dry, cool and well-ventilated place at room temperature. Do not store together with incompatible materials (see subsection 10.5), food, drink and feed.

### 7.3. Specific end use(s)

See subsection 1.2.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1. Exposure limit value

Not determined in EU.

#### 8.1.2. Biological limit values

Not determined in EU.

#### 8.1.3. DNEL and PNEC values

### Potassium hydroxide

CAS: 1310-58-3

#### DNEL

Area of use	Route of exposure	Effect	Exposure time	Value
Workers	Inhalation	Local effect	Long term	1 mg/m <sup>3</sup>
General population	Inhalation	Local effect	Long term	1 mg/m <sup>3</sup>

# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN GASTRO PROFESSIONAL Ovens, grills

PNEC - not yet available				
Sodium hydroxide			CAS: 1310-73-2	
<b>DNEL</b>				
Area of use	Route of exposure	Effect	Exposure time	Value
Workers	Inhalation	Local effect	Long term	1 mg/m <sup>3</sup>
General population	Inhalation	Local effect	Long term	1 mg/m <sup>3</sup>
PNEC - not yet available				
<b>8.2. Exposure controls</b>				
<b>8.2.1. Appropriate engineering controls</b>				
Use only in well-ventilated areas. Observe usual safety precautions for working with chemicals. The degree of effectiveness of personal protective equipment depends on temperature and ventilation levels.				
<b>8.2.2. Individual protection measures, such as personal protective equipment</b>				
Do not eat, drink or smoke. After work, wash thoroughly with warm water and soap and take a shower. Use protective cream. Do not soiled protective equipment to wash, do not use solvents.				
<b>Eye/face protection</b>				
Wear safety glasses or face shield (EN 166, EN 149+A1).				
<b>Skin protection - hand protection</b>				
Wear protective gloves (EN 374-1, EN 374-2). Suitable gloves material: polyvinylchloride, neoprene, nature rubber, butyl-rubber, breakthrough time: 480 min. Unsuitable gloves material: leather The selection of the glove material on consideration of the breakthrough time, permeability, degradation and next relevant factors; other chemicals that may come into contact, physical requirements (cut and puncture protection, dexterity, thermal protection), possible body reactions to the glove material and the glove supplier's instructions and specifications. In case of repeated use of gloves, clean and keep them in a well-ventilated place before taking off.				
<b>Skin protection - other</b>				
Suitable protective working clothing and protective footwear.				
<b>Respiratory protection</b>				
It is not necessary if the concentration limits are observed (if they are exceeded, use respiratory protection). In the event of an accident or fire, use self-contained breathing apparatus.				
<b>Thermal hazards</b>				
In normal use is not necessary protective equipment to be worn for materials that represent a thermal hazard.				
<b>8.2.3. Environmental exposure controls</b>				
Uncontrolled release of the mixture into environment is to be avoided. Keep the emission limits according to national legislation.				
<b>SECTION 9: Physical and chemical properties</b>				
<b>9.1. Information on basic physical and chemical properties</b>				
Mixture				



# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN GASTRO PROFESSIONAL Ovens, grills

<b>Physical state</b>	Liquid.
<b>Colour</b>	Yellow.
<b>Odour</b>	Charakteristic.
<b>Melting point/freezing point</b>	Not determined.
<b>Boiling point or initial boiling point and boiling range</b>	100 °C.
<b>Flammability</b>	Not determined.
<b>Lower explosion limit</b>	Not determined.
<b>Upper explosion limit</b>	Not determined.
<b>Flash point</b>	> 100 °C.
<b>Auto-ignition temperature</b>	571 °C.
<b>Decomposition temperature</b>	Not determined, the mixture does not contain self-reactive substances or organic peroxides.
<b>pH</b>	13 – 14.
<b>Kinematic viscosity</b>	Not determined, the mixture does not contain a substance classified as aspiration toxic, or the sum of the concentrations of substances classified as aspiration toxic is less than 10 wt. %.
<b>Solubility</b>	Miscible.
<b>Partition coefficient n-octanol/water (log value)</b>	Does not apply to mixture.
<b>Vapour pressure</b>	23 hPa.
<b>Density and/or relative density</b>	$D_4^{20} = 1.23$ .
<b>Relative vapour density</b>	Not determined.
<b>Particle characteristics</b>	Does not apply to liquid.
<b>Potassium hydroxide</b>	CAS: 1310-58-3
<b>Physical state</b>	Solid.
<b>Colour</b>	White.
<b>Odour</b>	Odourless.
<b>Melting point/freezing point</b>	406 °C (literature).
<b>Boiling point or initial boiling point and boiling range</b>	1 327 °C (literature).
<b>Flammability</b>	The substance is not classified as flammable, pyrophoric or emit flammable gases under standard conditions.
<b>Lower explosion limit</b>	Does not apply to solid.
<b>Upper explosion limit</b>	Does not apply to solid.
<b>Flash point</b>	Does not apply to solid.
<b>Auto-ignition temperature</b>	Does not apply to solid.

# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN GASTRO PROFESSIONAL Ovens, grills

<b>Decomposition temperature</b>	Not determined, it is not a self-reactive substance or an organic peroxide or a substance that may decompose.
<b>pH</b>	ca. 13.5 (concentration 5.611 g/l, 25 °C, literature).
<b>Kinematic viscosity</b>	Does not apply to solid.
<b>Solubility</b>	121 g/100 g H <sub>2</sub> O (25 °C, literature).
<b>Partition coefficient n-octanol/water (log value)</b>	Not determined, it is an inorganic substance.
<b>Vapour pressure</b>	Not determined, the substance has melting point higher than 300 °C.
<b>Density and/or relative density</b>	2.04 g/cm <sup>3</sup> (20 °C, literature).
<b>Relative vapour density</b>	Does not apply to solid.
<b>Particle characteristics</b>	Not determined, solid KOH is in the form of large particles (flakes).
<b>Sodium hydroxide</b>	CAS: 1310-73-2
<b>Physical state</b>	Solid.
<b>Colour</b>	White.
<b>Odour</b>	Odourless.
<b>Melting point/freezing point</b>	323 °C (literature).
<b>Boiling point or initial boiling point and boiling range</b>	1 388 °C (literature).
<b>Flammability</b>	The substance is not classified as flammable, pyrophoric or emit flammable gases under standard conditions.
<b>Lower explosion limit</b>	Does not apply to solid.
<b>Upper explosion limit</b>	Does not apply to solid.
<b>Flash point</b>	Does not apply to solid.
<b>Auto-ignition temperature</b>	Does not apply to solid.
<b>Decomposition temperature</b>	Not determined, it is not a self-reactive substance or an organic peroxide or a substance that may decompose.
<b>pH</b>	Not determined, strong alkaline substance.
<b>Kinematic viscosity</b>	Does not apply to solid.
<b>Solubility</b>	100 g/100 g H <sub>2</sub> O (25 °C, literature).
<b>Partition coefficient n-octanol/water (log value)</b>	Not determined, it is an inorganic substance.
<b>Vapour pressure</b>	Not determined, the substance has melting point higher than 300 °C.
<b>Density and/or relative density</b>	2.13 g/cm <sup>3</sup> (20 °C, literature).
<b>Relative vapour density</b>	Does not apply to solid.
<b>Particle characteristics</b>	Not determined, solid NaOH is in the form of large particles (flakes).

### 9.2. Other information



# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN GASTRO PROFESSIONAL Ovens, grills

### 9.2.1. Information with regard to physical hazard classes

#### Mixture

##### **Explosives**

Data for the mixture are not available.

The mixture does not contain substances classified as explosives or oxidising, or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

##### **Flammable gases**

It is not gas.

##### **Aerosols**

It is not aerosol.

##### **Oxidising gases**

It is not gas.

##### **Gases under pressure**

It is not gas.

##### **Flammable liquids**

Data for the mixture are not available.

The mixture does not contain substances classified as flammable liquids or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

##### **Flammable solids**

It is not solid.

##### **Self-reactive substances and mixtures**

Data for the mixture are not available.

The mixture does not contain substances classified as self-reactive substances or explosives or organic peroxides or oxidising, or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

##### **Pyrophoric liquids**

Data for the mixture are not available.

The mixture does not contain substances classified as pyrophoric liquids or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

##### **Pyrophoric solids**

It is not solid.

##### **Self-heating substances and mixtures**

Data for the mixture are not available.

The mixture does not contain substances classified as self-heating or pyrophoric substances or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

##### **Substances and mixtures, which emit flammable gases in contact with water**

Data for the mixture are not available.

The mixture does not contain substances classified as substances, which emit flammable gases in contact with water or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

##### **Oxidising liquids**

# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN GASTRO PROFESSIONAL Ovens, grills

Data for the mixture are not available.

The mixture does not contain substances classified as oxidising liquids or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

### ***Oxidising solids***

It is not solid.

### ***Organic peroxides***

Data for the mixture are not available.

The mixture does not contain substances classified as organic peroxides or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

### ***Corrosive to metals***

Data for the mixture are not available.

The mixture is classified as corrosive to metal category 1, due to the potassium hydroxide and sodium hydroxide content.

### ***Desensitised explosives***

Data for the mixture are not available.

The mixture does not contain substances classified as explosives or desensitised explosives, or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

**Potassium hydroxide**

CAS: 1310-58-3

### ***Explosives***

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

### ***Flammable gases***

It is not gas.

### ***Aerosols***

It is not aerosol.

### ***Oxidising gases***

It is not gas.

### ***Gases under pressure***

It is not gas.

### ***Flammable liquids***

It is not liquid.

### ***Flammable solids***

Data for the substance are not available.

The substance is not classified as flammable solid.

### ***Self-reactive substances and mixtures***

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive or self-reactive properties.

### ***Pyrophoric liquids***

It is not liquid.

# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN GASTRO PROFESSIONAL Ovens, grills

### ***Pyrophoric solids***

Data for the substance are not available.  
The substance is stable in air, there is no spontaneous ignition.

### ***Self-heating substances and mixtures***

Data for the substance are not available.  
The substance is not classified as self-heating.

### ***Substances and mixtures, which emit flammable gases in contact with water***

Data for the substance are not available.  
The substance is soluble in water and forms a stable mixture with it.

### ***Oxidising liquids***

It is not liquid.

### ***Oxidising solids***

Data for the substance are not available.  
The substance does not contain chemical groups associated with oxidising properties.

### ***Organic peroxides***

Data for the substance are not available.  
The substance does not contain a bivalent group -O-O- with at least one organic radical.

### ***Corrosive to metals***

Data for the substance are not available.  
The substance is classified as corrosive to metal category 1.

### ***Desensitised explosives***

Data for the substance are not available.  
The substance does not contain chemical groups associated with explosive properties.

**Sodium hydroxide**

CAS: 1310-73-2

### ***Explosives***

Data for the substance are not available.  
The substance does not contain chemical groups associated with explosive properties.

### ***Flammable gases***

It is not gas.

### ***Aerosols***

It is not aerosol.

### ***Oxidising gases***

It is not gas.

### ***Gases under pressure***

It is not gas.

### ***Flammable liquids***

It is not liquid.

### ***Flammable solids***

# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN GASTRO PROFESSIONAL Ovens, grills

Data for the substance are not available.

The substance is not classified as flammable solid.

### **Self-reactive substances and mixtures**

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive or self-reactive properties.

### **Pyrophoric liquids**

It is not liquid.

### **Pyrophoric solids**

Data for the substance are not available.

The substance is stable in air, there is no spontaneous ignition.

### **Self-heating substances and mixtures**

Data for the substance are not available.

The substance is not classified as self-heating.

### **Substances and mixtures, which emit flammable gases in contact with water**

Data for the substance are not available.

The substance is soluble in water and forms a stable mixture with it.

### **Oxidising liquids**

It is not liquid.

### **Oxidising solids**

Data for the substance are not available.

The substance does not contain chemical groups associated with oxidising properties.

### **Organic peroxides**

Data for the substance are not available.

The substance does not contain a bivalent group -O-O- with at least one organic radical.

### **Corrosive to metals**

Data for the substance are not available.

The substance is classified as corrosive to metal category 1.

### **Desensitised explosives**

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

### **9.2.2. Other safety characteristics**

<b>Mechanical sensitivity</b>	Not determined, it is not an explosive substance.
<b>Self-accelerating polymerisation temperature</b>	Not determined, it is not a polymerising substance.
<b>Formation of explosible dust/air mixtures</b>	Not determined, it is not a dust.
<b>Acid/alkaline reserve</b>	Not determined.
<b>Evaporation rate</b>	Not determined.
<b>Miscibility</b>	Not determined.
<b>Conductivity</b>	Not determined.

# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN GASTRO PROFESSIONAL Ovens, grills

<b>Corrosiveness</b>	Not determined.
<b>Gas group</b>	Not determined, it is not gas.
<b>Redox potential</b>	Not determined.
<b>Radical formation potential</b>	Not determined.
<b>Photocatalytic properties</b>	Not determined.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

The mixture is stable under normal conditions of use. There aren't any hazardous reaction.

#### 10.2. Chemical stability

Stable under recommended storage conditions.

#### 10.3. Possibility of hazardous reactions

Hazardous reactions aren't known under normal conditions of use.

#### 10.4. Conditions to avoid

Heat, flames and sparks. Extremes of temperature and direct sunlight.

#### 10.5. Incompatible materials

Strong oxidising agents, acids. Mixture is corrosive to metals.

#### 10.6. Hazardous decomposition products

They do not form under normal use. Burning releases carbon oxides and products of incomplete combustion.

### SECTION 11: Toxicological information

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

##### Mixture

##### Acute toxicity

The mixture is classified as Acute Tox. 4; H302.

##### Oral

Data for the mixture are not available.

The mixture classified in category 4 based on the calculation of the additive formula.

$ATE_{\text{mixture}} > 908 \text{ mg/kg}$ .

##### Dermal

Data for the mixture are not available.

The mixture does not contain substances classified as an acute toxicity by dermal route of exposure or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

##### Inhalation

Data for the mixture are not available.

The mixture does not contain substances classified as an acute toxicity by inhalation route of exposure or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

##### Skin corrosion/irritation

Data for the mixture are not available.

The mixture is classified as corrosive for skin in category 1A based on the general/specific concentration limits of substance(s).

# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN GASTRO PROFESSIONAL Ovens, grills

### ***Serious eye damage/irritation***

Data for the mixture are not available.

The mixture is classified as causes serious eye damage based on the general/specific concentration limits of substance(s).

### ***Respiratory or skin sensitisation***

Data for the mixture are not available.

The mixture does not contain substances classified as sensitizing or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

### ***Germ cell mutagenicity***

Data for the mixture are not available.

The mixture does not contain substances classified as mutagenicity or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

### ***Carcinogenicity***

Data for the mixture are not available.

The mixture does not contain substances classified as carcinogenicity or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

### ***Reproductive toxicity***

Data for the mixture are not available.

The mixture does not contain substances classified as toxic for reproduction or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

### ***STOT – single exposure***

Data for the mixture are not available.

The mixture does not contain substances classified as toxic for specific target organs in a single exposure or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

### ***STOT – repeated exposure***

Data for the mixture are not available.

The mixture does not contain substances classified as toxic for specific target organs in a repeated exposure or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

### ***Aspiration hazard***

Data for the mixture are not available.

The mixture does not contain substances classified as aspiration hazard or the concentration of substance(s) is lower than the limit for inclusion in Section 3.

### ***Other information***

See section 2 and 4.

### **Potassium hydroxide**

CAS: 1310-58-3

### ***Acute toxicity***

**Oral** The substance is classified in category 4.  
LD<sub>50</sub> = 333 (male, conventional method).  
LD<sub>50</sub> = 388 (male, up-and-down procedure).

**Dermal** Data for the substance are not available.

**Inhalation** Data for the substance are not available.



# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN GASTRO PROFESSIONAL Ovens, grills

### **Skin corrosion/irritation**

Substance is classified as skin corrosive category 1A.  
10% solution is strongly corrosive (reconstructed human epidermis, OECD 431).  
5% solution is strongly corrosive (reconstructed human epidermis, OECD 431).

### **Serious eye damage/irritation**

Substance is classified as serious eye damage.  
5% solution is extremely irritant and corrosive, 1% solution is irritant, 0.5% solution is marginal irritant, 0.1% solution is not irritant (rabbit, OECD 405).

### **Respiratory or skin sensitization**

Based on available data, the classification criteria are not met.  
Not skin sensitising (guinea pig, intracutaneous test).

### **Germ cell mutagenicity**

Based on available data, the classification criteria are not met.  
Negative (Ames test).

### **Carcinogenicity**

Data for the substance are not available.

### **Reproductive toxicity**

Data for the substance are not available.

### **STOT – single exposure**

Data for the substance are not available.

### **STOT – repeated exposure**

Data for the substance are not available.

### **Aspiration hazard**

The substance is not a hydrocarbon or a chlorinated hydrocarbon with a kinematic viscosity of 20.5 mm<sup>2</sup>/s or less at 40 °C.

**Sodium hydroxide**

CAS: 1310-73-2

### **Acute toxicity**

**Oral** Data for the substance are not available.

**Dermal** Data for the substance are not available.

**Inhalation** Data for the substance are not available.

### **Skin corrosion/irritation**

# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN GASTRO PROFESSIONAL Ovens, grills

Substance is classified as skin corrosive category 1A.

Irritating to the skin at a concentration of 0.95 % by weight - intact skin - mean erythema score = 2 after 24 hours, 1.7 after 72 hours, 0.7 after 8 days (irreversible for 1/6 animals, scale on the skin) and edema = 0.3 after 24 h, 0 after 72 h, 0 after 8 d (fully reversible in 72 h), broken skin - mean erythema score = 2.3 after 24 h, 2 after 72 h, 2.7 after 8 d (irreversible for 1/6 animals, skin necrosis) and edema = 2 after 24 h, 0.3 after 72 h, 0 after 8 d (fully reversible in 8 days), primary dermal irritation index PDII = 2.7 (rabbit, Draize test).

Corrosive skin at a concentration of 4.98% by weight - intact skin - mean erythema score = 4 after 24 h, 4 after 72 h, 4 after 8 d (irreversible, skin necrosis) and edema = 2 after 24 h, 1 after 72 h, 1 after 8 days (irreversible for 8 days), broken skin - mean erythema score = 4 after 24 h, 4 after 72 h, 4 after 8 d (irreversible, skin necrosis) and edema = 2 after 24 h, after 72 hours, 1 after 8 days (irreversible for 8 days), primary dermal irritation index PDII = 5.6 (rabbit, Draize test).

### **Serious eye damage/irritation**

Substance is classified as serious eye damage.

Mean corneal opacity > 2, conjunctival redness > 2.5 (2 wt.%, rabbit, 72 h, OECD 405).

### **Respiratory or skin sensitization**

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

Not skin sensitising (human).

### **Germ cell mutagenicity**

Data for the substance are not available.

### **Carcinogenicity**

Data for the substance are not available.

### **Reproductive toxicity**

Data for the substance are not available.

### **STOT – single exposure**

Data for the substance are not available.

### **STOT – repeated exposure**

Data for the substance are not available.

### **Aspiration hazard**

The substance is not a hydrocarbon or a chlorinated hydrocarbon with a kinematic viscosity of 20.5 mm<sup>2</sup>/s or less at 40 °C.

## **11.2. Information on other hazards**

Mixture does not contain substance(s) meeting the criteria for persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) in accordance with Annex XIII of REACH regulation. The mixture and its substances are not mentioned on the Candidate list for possible inclusion in Annex XIV of REACH at the date of the revision of the safety data sheet, and given in the list (established in accordance with Article 59(1) for having endocrine disrupting properties of REACH regulation. Mixture does not contain the substance(s) identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. There is no other relevant information on adverse health effects that is not required according to the classification criteria set out in CLP Regulation. .

## **SECTION 12: Ecological information**

### **12.1. Toxicity**

Mixture

# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN GASTRO PROFESSIONAL Ovens, grills

Data for the mixture are not available.				
<b>Acute aquatic toxicity</b>				
The mixture does not contain substances classified as acute aquatic toxicity or the concentration of substance(s) is lower than the limit for inclusion in Section 3.				
<b>Chronic aquatic toxicity</b>				
The mixture is not classified as chronic aquatic toxicity based on calculation according to the summation method.				
category	1	2	3	4
$\Sigma$	0	0	< 10	< 10
<b>Potassium hydroxide</b>				CAS: 1310-58-3
The substance is not classified as dangerous for the aquatic environment.				
<b>Fish</b>				
LC <sub>50</sub> , 96 hrs., Gambusia affinis: 80 mg/l (mortality). NOEC, 96 hrs., Gambusia affinis: 56 mg/l (mortality).				
<b>Crustaceans</b>				
Data for the substance are not available.				
<b>Algae</b>				
Data for the substance are not available.				
<b>Sodium hydroxide</b>				CAS: 1310-73-2
The substance is not classified as dangerous for the aquatic environment.				
<b>Fish</b>				
LC <sub>50</sub> , 48 hrs, Leuciscus idus: 189 mg/l (mortality).				
<b>Crustaceans</b>				
EC <sub>50</sub> , 48 hrs, Ceriodaphnia sp.: 40.4 mg/l (immobility).				
<b>Algae</b>				
Data for the substance are not available.				
<b>12.2. Persistence and degradability</b>				
<b>Mixture</b>				
Data for the mixture are not available.				
<b>Potassium hydroxide</b>				CAS: 1310-58-3
Not determined, it is an inorganic substance.				
<b>Sodium hydroxide</b>				CAS: 1310-73-2
Not determined, it is an inorganic substance.				
<b>12.3. Bioaccumulative potential</b>				
<b>Mixture</b>				
Data for the mixture are not available.				
<b>Potassium hydroxide</b>				CAS: 1310-58-3

# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN GASTRO PROFESSIONAL Ovens, grills

Not determined, it is an inorganic substance.	
<b>Sodium hydroxide</b>	CAS: 1310-73-2
Not determined, it is an inorganic substance.	
<b>12.4. Mobility in soil</b>	
<b>Mixture</b>	
Data for the mixture are not available.	
<b>Potassium hydroxide</b>	CAS: 1310-58-3
Not determined, it is an inorganic substance.	
<b>Sodium hydroxide</b>	CAS: 1310-73-2
Not determined, it is an inorganic substance.	
<b>12.5. Results of PBT and vPvB assessment</b>	
Mixture does not contain substance(s) meeting the criteria for persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) in accordance with Annex XIII of REACH Regulation. The mixture and its substances are not mentioned on the Candidate list for possible inclusion in Annex XIV of REACH at the date of the revision of the safety data sheet (established in accordance with Article 59(1) of REACH Regulation.	
<b>12.6. Endocrine disrupting properties</b>	
The mixture and its substances are not mentioned on the Candidate list for possible inclusion in Annex XIV of REACH at the date of the revision of the safety data sheet (established in accordance with Article 59(1) of REACH Regulation. Mixture does not contain the substance(s) identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.	
<b>12.7. Other adverse effects</b>	
Data are not available.	
<b>SECTION 13: Disposal considerations</b>	
<b>13.1. Waste treatment methods</b>	
<b>Disposal methods of the substance or mixture and the contaminated packaging</b>	
Dispose according to the applicable European and local regulations (eg. in a hazardous waste incinerator). Do not empty unused product into drainage systems. Do not contaminate ponds or ditches with the product or used container. Hand over the residual amounts and solutions to a licensed disposal company. Hand over the remaining quantities and unregenerate solutions to an authorized person (specialized company with authorization) or to the collection yard in the hazardous waste section according to the worker's instructions. Empty, cleaned packaging can be stored at a landfill of the appropriate category or <b>in the sorted waste</b> .	
<b>Possible waste code</b>	
EN 20 01 29* - Detergents containing dangerous substances, 15 01 10* - packaging containing residues of or contaminated by hazardous substances (contaminated packaging), 15 01 02 - plastic packaging (clear packaging)	
<b>Physical/chemical properties that may affect waste treatment options</b>	
Corrosivity to metals.	
<b>Special precautions recommended for waste management</b>	

# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN GASTRO PROFESSIONAL Ovens, grills

Not known.

### **Waste legislation**

Directive 2008/98/EC on waste and repealing certain Directives, as amended.

## **SECTION 14: Transport information**

### **14.1. UN number or ID number**

UN 3266

### **14.2. UN proper shipping name**

CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (Potassium hydroxide, Sodium hydroxide).

### **14.3. Transport hazard class(es)**

8

### **14.4. Packing group**

I

### **14.5. Environmental hazards**

It is not dangerous for the environment during transport.

### **14.6. Special precautions for user**

Not given.

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

Not available.

### **14.8. Other information**

#### **Labeling according to ADR**



#### **Additional data for ADR/RID**

Classification code	C5
Labels	8
Hazard identification code	88
Tunnel restriction code	E (ADR), - (RID)
Limited quantities	0
Excepted quantities	Not permitted as excepted quantity.
Transport category	1

#### **Additional data for IMDG**

Emergency Schedules (EmS)	F-A, S-B
---------------------------	----------

# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN GASTRO PROFESSIONAL Ovens, grills

### SECTION 15: Regulatory information

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

Regulation No. 1907/2006/EC, concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals, as amended (REACH)

Regulation No. 1272/2008/EC, on Classification, Labelling and Packaging of substances and mixtures, as amended (CLP)

Regulation No. 648/2004/EC on detergents, as amended

#### 15.2. Chemical safety assessment

It was not done for the mixture.

### SECTION 16: Other information

#### Reason for the revision of the safety data sheet

Change of the labeling of the mixture. Change in the composition of the mixture in section 3 and related changes in the other sections.

#### Key or legend to abbreviations and acronyms

Acute Tox. 4	Acute toxicity, cat. 4
Aquatic Chronic 3	Chronic aquatic hazard, cat. 3
Eye Dam. 1	Serious eye damage, cat. 1
Eye Irrit. 2	Eye irritation, cat. 2
Met. Corr. 1	Substance or mixture corrosive to metals, cat. 1
Skin Corr. 1A	Skin corrosion, cat. 1A
Skin Corr. 1B	Skin corrosion, cat. 1B
Skin Irrit. 2	Skin irritation, cat. 2
ADR	Accord Dangereuses Route
CLP	Regulation No. 1272/2008/EC, on Classification, Labelling and Packaging of substances and mixtures
DNEL	Derived No Effect Level
ICAO/IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
PBT	Persistent, bioaccumulative, toxic substance
PNEC	Predicted No Effect Concentration
REACH	Regulation No. 1907/2006/EC, concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulation concerning the International Carriage of Dangerous Goods by Rail
STOT	Specific target organ toxicity
vPvB	Very persistent and very bioaccumulative substance

#### Sources of key data used to compile the Safety Data Sheet

European legislation, manufacturer's safety data sheet, registration dossier of substances.



# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN GASTRO PROFESSIONAL Ovens, grills

### List of H- and P- phrases

H290	May be corrosive to metals.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.
P234	Keep only in original packaging.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P310	Immediately call a POISON CENTER/doctor.
P501	Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. <b>Dispose of the cleaned packaging without any residual product content in the sorted waste.</b>

### Training advice

According to SDS.

### Other information

Classification according to data from the manufacturer. The mixture is classified using calculation methods according to Regulation CLP and tests. Use only for the purposes designated by the manufacturer, will prevent health and environmental risks.

The information in this SDS was obtained from sources, which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

The safety data sheet is created in accordance with Regulation No. 2020/878/EC. There is no additional information in accordance with the local and national legislation of the Member State in the European Union, in the safety data sheet.

The safety data sheet was created by company LACHEPRA s.r.o.