

Safety data sheet
according Regulation 1907/2006/EC, and Annex II Regulation
830/2015/EC

Printing date (issue and revision in paragraph 16): 14.06.2018

Program ChemGes - Update: 14.08.2014

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

- **1.1 Product identifier**
- **Trade name:** CLEAMEN 310 Highly acidic WC cleaner for ceramic
- **Article number:** VC310XXXX96-CLP
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
 Liquid extra strong cleaner for removing of water and urinary stone and for after building cleaning. It is designed for direct use or diluted for ceramic surfaces. Do not use to stainless, iron, chrome or other non-resistant surfaces to acids.
- **Sector of Use** Ceramic sanitary surfaces and facilities, WC.
- **Application of the substance / the mixture**
 Recommended dosage for WC: Concentrate applied to the cleaned surface, leave react for 5-10 minutes, then rinse with water. Recommended dosage for maintenance of floors: 10 ml to 1 L of water.
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
 CORMEN s.r.o.
 Prumyslova 1420
 593 01 Bystrice nad Pernštejnem
 CZECH REPUBLIC
 tel.: +420 566 550 961, fax: +420 566 551 822
 info@cormen.cz
- **Further information obtainable from:** Product safety department
- **1.4 Emergency telephone number:** During normal opening times: +420 777 539 001

SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS05 corrosion

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

Eye Dam. 1 H318 Causes serious eye damage.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
 The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS05

- **Signal word** *Danger*
- **Hazard-determining components of labelling:**
 1-hydroxyethylidene-1,1-diphosphonic acid
 hydrochloric acid 31%
 Alcohols, C10-16, ethoxylated
- **Hazard statements**
 H314 Causes severe skin burns and eye damage.
- **Precautionary statements**
 P102 Keep out of reach of children.
 P280 Wear protective gloves / eye protection / face protection.

(Contd. on page 2)

Safety data sheet
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830/2015/EC

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Program ChemGes - Update: 14.08.2014

Trade name: CLEAMEN 310 Highly acidic WC cleaner for ceramic

(Contd. of page 1)

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.*

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

P501 *Dispose of contents/container in accordance with national regulations.*

· **Additional information:**

EUH208 Contains Parfum P8. May produce an allergic reaction.

Restricted to professional users.

· **2.3 Other hazards**

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

· **3.2 Chemical characterisation: Mixtures**

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

The product contains this substances:

>30 % water, <5 % non-ionic surfactants, hydrochloric acid, carboxylates, phosphonates, acrylates, xanthan gum, parfum, Hexyl Cinnamal, coloring agent.

· **Description:**

Cleaner - a mixture of substances, which are classified according Regulation of the European Parliament and of the Council (EC) No 1272/2008, as amended.

Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 7647-01-0 EINECS: 231-595-7 Reg. REACH: 01-2119484862-27-0000	hydrochloric acid 31% ⚠ Skin Corr. 1B, H314; ⚠ STOT SE 3, H335	2.5 - <5%
CAS: 2809-21-4 EINECS: 220-552-8 Reg. REACH: 01-2119510391-53-XXXX	1-hydroxyethylidene-1,1-diphosphonic acid ⚠ Met. Corr. 1, H290; ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302	2.5 - <5%
CAS: 68002-97-1 NLP: 500-182-6	Alcohols, C10-16, ethoxylated ⚠ Eye Dam. 1, H318; ⚠ Acute Tox. 4, H302	1.0-2.5%

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· **4.1 Description of first aid measures**

· **General information:**

The products should be handled only by following the instructions on the package. In the event that the apparent health problems or in case of doubt, please call a doctor immediately and show him this Material Safety Data Sheet.

In case of unconsciousness place patient immediately into the recovery position, with the head slightly tilted back and make sure that the airway is patent. Never induce vomiting. If the patient vomits itself, be sure to avoid aspiration. Do not give anything by mouth to an unconscious person.

· **After inhalation:** Supply fresh air and to be sure call for a doctor.

· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

· **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.

· **After swallowing:** Drink plenty of water and provide fresh air. Call for a doctor immediately.

· **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.

(Contd. on page 3)

Safety data sheet
according Regulation 1907/2006/EC, and Annex II Regulation
830/2015/EC

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Program ChemGes - Update: 14.08.2014

Trade name: CLEAMEN 310 Highly acidic WC cleaner for ceramic

(Contd. of page 2)

- **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **5.2 Special hazards arising from the substance or mixture** *No further relevant information available.*
- **5.3 Advice for firefighters**
- **Protective equipment:** *No special measures required.*

SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures** *Wear protective equipment.*
- **6.2 Environmental precautions:**
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.
- **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Use neutralising agent.
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
- **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**
Observe safety precautions, which are common for working with chemicals.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **Information about fire - and explosion protection:** *No special measures required.*
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** *No special requirements.*
- **Information about storage in one common storage facility:** *Not required.*
- **Further information about storage conditions:**
Keep container tightly sealed.
Protect from frost.
- **7.3 Specific end use(s)** *No further relevant information available.*

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** *No further data; see item 7.*

(Contd. on page 4)

Safety data sheet
according Regulation 1907/2006/EC, and Annex II Regulation
830/2015/EC

Printing date (issue and revision in paragraph 16): 14.06.2018

Program ChemGes - Update: 14.08.2014

Trade name: CLEAMEN 310 Highly acidic WC cleaner for ceramic

(Contd. of page 3)

· **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

7647-01-0 hydrochloric acid 31%

WEL	Short-term value: 8 mg/m ³ , 5 ppm Long-term value: 2 mg/m ³ , 1 ppm (gas and aerosol mists)
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· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

Do not inhale gases / fumes / aerosols.

Avoid contact with the eyes.

· **Respiratory protection:**

During normal operation is not necessary. Ensure good ventilation of the workplace. In the aerosol, a respirator or protective breathing mask.

· **Protection of hands:**



Protective gloves (depending on the nature of work).

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **Eye protection:**



Tightly sealed goggles (depending on the nature of work).

SECTION 9: Physical and chemical properties

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

· **General Information**

· **Appearance:**

Form: Liquid

Colour: Pink

· **Odour:** Characteristic

· **Odour threshold:** Not determined.

(Contd. on page 5)

Safety data sheet
 according Regulation 1907/2006/EC, and Annex II Regulation
 830/2015/EC

Printing date (issue and revision in paragraph 16): 14.06.2018

Program ChemGes - Update: 14.08.2014

Trade name: CLEAMEN 310 Highly acidic WC cleaner for ceramic

(Contd. of page 4)

· pH-value at 20 °C:	1
· Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	100 °C
· Flash point:	Not applicable.
· Flammability (solid, gaseous):	Not applicable.
· Ignition temperature:	
Decomposition temperature:	Not determined.
· Self-igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
· Vapour pressure at 20 °C:	23 hPa
· Density at 20 °C:	1.066 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with water:	Not miscible or difficult to mix.
· Partition coefficient (n-octanol/water):	Not determined.
· Viscosity:	
Dynamic at 20 °C:	800 mPas
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	0.0 %
Water:	87.9 %
VOC (EC)	0.00 %
Solids content:	1.2 %
· 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

(Contd. on page 6)

Safety data sheet
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Program ChemGes - Update: 14.08.2014

Trade name: CLEAMEN 310 Highly acidic WC cleaner for ceramic

(Contd. of page 5)

- **Primary irritant effect:**
- **Skin corrosion/irritation**
Causes severe skin burns and eye damage.
- **Serious eye damage/irritation**
Causes serious eye damage.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **Additional ecological information:**
- **General notes:**
Must not reach sewage water or drainage ditch undiluted or unneutralised.
Rinse off of bigger amounts into drains or the aquatic environment may lead to decreased pH-values. A low pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably increased, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.
- **Waste disposal key:**
Produkt: 070601
Zanieczyszczone opakowanie: 150110
Puste opakowanie: 150102 (plastikowe opakowania)
- **Uncleaned packaging:**
- **Recommendation:**
After emptying the container must be disposed of according to the proper regulations. Uncleaned packaging and do not flush container are discarded as a substance or mixture (see Section 13.1.1). Contaminated packaging must be emptied and cleaned. In any case, do not discharge the container after use in the free environment. Uncontaminated empty container may be used for recycling.

GB

(Contd. on page 7)

Safety data sheet
according Regulation 1907/2006/EC, and Annex II Regulation
830/2015/EC

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Program ChemGes - Update: 14.08.2014

Trade name: CLEAMEN 310 Highly acidic WC cleaner for ceramic

(Contd. of page 6)

SECTION 14: Transport information

· 14.1 UN-Number · ADR, ADN, IMDG, IATA	Void
· 14.2 UN proper shipping name · ADR, ADN, IMDG, IATA	Void
· 14.3 Transport hazard class(es) · ADR, ADN, IMDG, IATA · Class	Void
· 14.4 Packing group · ADR, IMDG, IATA	Void
· 14.5 Environmental hazards: · Marine pollutant:	No
· 14.6 Special precautions for user	Not applicable.
· 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
· UN "Model Regulation":	Void

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
No further relevant information available.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

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.

· **Department issuing SDS:**

Product safety department
Cormen s.r.o.

· **Contact:** Ing. MSc. Renáta Vyhňálková, PhD.

· **Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Met. Corr. 1: Corrosive to metals, Hazard Category 1
Acute Tox. 4: Acute toxicity, Hazard Category 4
Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B

(Contd. on page 8)

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Program ChemGes - Update: 14.08.2014

Trade name: CLEAMEN 310 Highly acidic WC cleaner for ceramic

(Contd. of page 7)

Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

· **Sources**

EU Rules, EU Regulations and the EU Directive, the Collection of Laws, Decrees and Orders of the Government, the data from the laboratory of CORMEN Ltd., the data from the literature.

· *** Data compared to the previous version altered.**

MSDS created on: 14.08.2014

Revision No. 1 created on: 17.4.2015

Revision No. 1a created on: 1.12.2015 (CLP)

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