

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

Printing date (issue and revision in paragraph 16): 17.02.2016

Program ChemGes - Update: 17.09.2014

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

- **1.1 Product identifier**
- **Trade name:** CLEAMEN 241 for fan forced ovens, grills
- **Article number:** VC241XXXX98-CLP
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
A concentrated liquid foaming product for direct use for removing burns from fan ovens, hobs, grills, deep fryers, parts of air filters, etc. Not to be used on aluminium and materials non-resistant to alkaline.
- **Sector of Use** Kitchen area, professional application.
- **Application of the substance / the mixture** The instructions for use.
- **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. 1A 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:**
 sodium hydroxide
 Alcohols, C9-11, 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.
 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.

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- **Additional information:**
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, 5-15 % sodium hydroxide, <5 % butyl glycol, phosphonates, amphoteric surfactants, non-ionic surfactants.

· **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: 1310-73-2 EINECS: 215-185-5 Reg. REACH: 01-2119457892 | sodium hydroxide Met. Corr. 1, H290; Skin Corr. 1A, H314 | 5.0-6.0% |
| CAS: 111-76-2 EINECS: 203-905-0 Reg. REACH: 01-2119475108-36-0000 | 2-butoxyethanol Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319 | 2.5 - <5% |
| CAS: 68439-46-3 Polymer | Alcohols, C9-11, ethoxylated Eye Dam. 1, H318; Acute Tox. 4, H302 | 2.5 - <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:** Immediately remove any clothing soiled by the product.
- **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.
- **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.

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SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
- **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:**
Ensure adequate ventilation.
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Use neutralising agent.
Dispose contaminated material as waste according to item 13.
- **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:**
Protect from frost.
Keep container tightly sealed.
- **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.*
- **8.1 Control parameters**

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

1310-73-2 sodium hydroxide

WEL Short-term value: 2 mg/m³

111-76-2 2-butoxyethanol

WEL Short-term value: 246 mg/m³, 50 ppm
 Long-term value: 123 mg/m³, 25 ppm
 Sk, BMGV

· **Ingredients with biological limit values:**

111-76-2 2-butoxyethanol

BMGV 240 mmol/mol creatinine
 Medium: urine
 Sampling time: post shift
 Parameter: butoxyacetic acid

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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.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

· **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).

· **Body protection:**

Use appropriate clothing and shoes.

Before reusing the soiled garments must be washed again.

SECTION 9: Physical and chemical properties

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

· **General Information**

· **Appearance:**

Form: Liquid

Colour: Colourless

· **Odour:** Odourless

· **Odour threshold:** Not determined.

· **pH-value at 20 °C:** 13.5

· **Change in condition**

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: Undetermined.

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| | |
|---|--|
| · Flash point: | <i>Not applicable.</i> |
| · Flammability (solid, gaseous): | <i>Not applicable.</i> |
| · Ignition temperature: | |
| · Decomposition temperature: | <i>Not determined.</i> |
| · Self-igniting: | <i>Product is not selfigniting.</i> |
| · Danger of explosion: | <i>Product does not present an explosion hazard.</i> |
| · Explosion limits: | |
| Lower: | <i>Not determined.</i> |
| Upper: | <i>Not determined.</i> |
| · Vapour pressure at 20 °C: | <i>23 hPa</i> |
| · Density: | <i>Not determined.</i> |
| · Relative density | <i>Not determined.</i> |
| · Vapour density | <i>Not determined.</i> |
| · Evaporation rate | <i>Not determined.</i> |
| · Solubility in / Miscibility with water: | <i>Fully miscible.</i> |
| · Partition coefficient (n-octanol/water): | <i>Not determined.</i> |
| · Viscosity: | |
| Dynamic: | <i>Not determined.</i> |
| Kinematic: | <i>Not determined.</i> |
| · Solvent content: | |
| Organic solvents: | <i>4.5 %</i> |
| Water: | <i>83.6 %</i> |
| VOC (EC) | <i>4.50 %</i> |
| · 9.2 Other information | <i>No further relevant information available.</i> |

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.*

· **LD/LC50 values relevant for classification:**

| | | |
|------------|----------|----------------------|
| Oral | LD50 | 4651 mg/kg (ATE) |
| Dermal | LD50 | 12829 mg/kg (ATE) |
| Inhalative | LC50/4 h | 244 mg/l (rat) (ATE) |

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1310-73-2 sodium hydroxide

| | | |
|--------|------|--|
| Oral | LD50 | 2000 mg/kg (rat) 500 mg/kg (rabbit) |
| Dermal | LD50 | 1350 mg/kg (rabbit) |

- **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:**

1310-73-2 sodium hydroxide

| | |
|-----------|---------------------|
| EC50 | 40.4 mg/l (daphnia) |
| LC50/96 h | 125 mg/l (fish) |

- **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 increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, 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**

The rest of the product must be disposed of as waste according to the proper regulations. Must not be disposed together with household waste. Do not allow to drain. Contaminated waste stored in tightly closed containers. Remnants of the product in the original packaging removed in accordance with applicable law by the authorized person or organization, or waste transported to a specialized waste disposal facility.

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· **Waste disposal key:**

Product: 070 601

Contaminated packaging: 150110

Empty containers: 150102 (plastic packaging)

· **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.

· **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

SECTION 14: Transport information

· **14.1 UN-Number**

· **ADR, IMDG, IATA**

UN1719

· **14.2 UN proper shipping name**

· **ADR**

1719 CAUSTIC ALKALI LIQUID, N.O.S. (SODIUM HYDROXIDE)

· **IMDG, IATA**

CAUSTIC ALKALI LIQUID, N.O.S. (SODIUM HYDROXIDE)

· **14.3 Transport hazard class(es)**

· **ADR, IMDG, IATA**



· **Class**

8 Corrosive substances.

· **Label**

8

· **14.4 Packing group**

· **ADR, IMDG, IATA**

II

· **14.5 Environmental hazards:**

· **Marine pollutant:**

No

· **14.6 Special precautions for user**

Warning: Corrosive substances.

· **Danger code (Kemler):**

80

· **EMS Number:**

F-A,S-B

· **Segregation groups**

Alkalis

· **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable.

· **Transport/Additional information:**

· **ADR**

· **Limited quantities (LQ)**

1L

· **Excepted quantities (EQ)**

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

· **Transport category**

2

· **Tunnel restriction code**

E

· **Remarks:**

ADR regulations - for packaging more than 1 L.

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| | |
|-----------------------------------|---|
| · IMDG | 1L |
| · Limited quantities (LQ) | Code: E2 |
| · Excepted quantities (EQ) | Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml |
| · UN "Model Regulation": | UN1719, CAUSTIC ALKALI LIQUID, N.O.S. (SODIUM HYDROXIDE), 8, II |

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.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
- **Department issuing SDS:**
Product safety department
Cormen s.r.o.
- **Contact:** Mgr. Barbora Kurková
- **Abbreviations and acronyms:**
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organisation
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)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
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. 1A: Skin corrosion/irritation, Hazard Category 1A
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

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· **Sources**

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

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

MSDS created on: 26.11.2012

Revision No. 1 created on: 14.5.2015

Revision No. 1a created on: 14.11.2015 (CLP)

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