

# CLEN HEAVY DUTY CLEANER & DEGREASER

CODE : CCA0100-RTU

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830  
Revision date: 10/03/2021 Version: 10.4

Generated : 10/03/2021

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

#### 1.1. Product identifier

Product form : Mixture  
Trade name : CLEN HEAVY DUTY CLEANER & DEGREASER  
Product code : CCA0100-RTU  
Type of product : Detergent

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

##### 1.2.1. Relevant identified uses

Main use category : Professional use  
Industrial/Professional use spec : For professional use only  
Use of the substance/mixture : Disinfectant-cleaner

##### 1.2.2. Uses advised against

No additional information available

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

**NEXON GROUP**  
RICHMOND HOUSE  
DEEPDALE ENTERPRISE PARK  
NETTLEHAM  
LINCOLN  
LN2 2LL  
UNITED KINGDOM

Tel: 01522 500006 Fax: 01522 500 030 Email: accounts@nexongroup.co.uk

#### 1.4. Emergency telephone number

Mon to Fri 8.30am to 5.00pm - 01522 500006

### SECTION 2: Hazards identification

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

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin corrosion/irritation, Category 1 H314  
Serious eye damage/eye irritation, Category 1 H318  
Hazardous to the aquatic environment — Chronic Hazard, Category 3 H412  
Full text of H statements : see section 16

##### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS05

Signal word (CLP) : Danger  
Contains : disodium metasilicate  
Hazard statements (CLP) : H314 - Causes severe skin burns and eye damage.  
H412 - Harmful to aquatic life with long lasting effects.

**Safety Data Sheet**

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

- Precautionary statements (CLP) :
- P264 - Wash hands thoroughly after handling.
  - P273 - Avoid release to the environment.
  - P280 - Wear eye protection, protective gloves.
  - P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
  - P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or 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.
  - P315 - Get immediate medical advice/attention.
  - P405 - Store locked up.

**2.3. Other hazards**

No additional information available

**SECTION 3: Composition/information on ingredients**

**3.1. Substances**

Not applicable

**3.2. Mixtures**

| Name  | Product identifier  | %       | Classification according to Regulation (EC) No. 1272/2008 [CLP]   |
|---|---|---------|---|
| Alcohol Alkoxyolate   | (CAS-No.) 166736-08-9<br>(REACH-no) Exempt/Polymer  | 1 – 5   | Acute Tox. 4 (Oral), H302<br>Eye Dam. 1, H318   |
| disodium metasilicate   | (CAS-No.) 6834-92-0<br>(EC-No.) 229-912-9<br>(EC Index-No.) 014-010-00-8<br>(REACH-no) 01-2119449811-37 | 0.1 – 1 | Skin Corr. 1B, H314<br>STOT SE 3, H335  |
| Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | (CAS-No.) 68424-85-1<br>(EC-No.) 270-325-2<br>(REACH-no) 01-2119965180-41                               | 0.1 – 1 | Acute Tox. 4 (Oral), H302<br>Skin Corr. 1B, H314<br>Eye Dam. 1, H318<br>Aquatic Acute 1, H400 (M=10)<br>Aquatic Chronic 1, H410 (M=1) |

**Specific concentration limits:**

| Name                | Product identifier                                 | Specific concentration limits                                      |
|---------------------|--|--|
| Alcohol Alkoxyolate | (CAS-No.) 166736-08-9<br>(REACH-no) Exempt/Polymer | ( 1 <C ≤ 10) Eye Irrit. 2, H319<br>( 10 <C < 100) Eye Dam. 1, H318 |

Full text of H-statements: see section 16

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

- First-aid measures general : Get medical advice/attention if you feel unwell.
- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : Wash skin with plenty of water. Take off immediately all contaminated clothing and wash it before reuse. Get medical advice/attention.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention.
- First-aid measures after ingestion : Do NOT induce vomiting. Rinse mouth. Drink plenty of water. Get medical advice/attention.

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

- Symptoms/effects after inhalation : May cause respiratory irritation.

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Symptoms/effects after skin contact : Burns.  
 Symptoms/effects after eye contact : Causes serious eye damage.  
 Symptoms/effects after ingestion : Burns.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Carbon dioxide. Dry powder. Foam.

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

Hazardous decomposition products in case of fire : Corrosive vapours.

### 5.3. Advice for firefighters

No additional information available

## SECTION 6: Accidental release measures

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

#### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

#### 6.1.2. For emergency responders

Protective equipment : Use personal protective equipment as required.

### 6.2. Environmental precautions

Avoid release to the environment.

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

For containment : Collect spillage.  
 Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible.

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes.  
 Hygiene measures : Do not eat, drink or smoke when using this product.

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

Technical measures : Does not require any specific or particular technical measures.  
 Storage conditions : Keep container closed when not in use.  
 Incompatible products : Oxidizing agent. Strong acids.  
 Incompatible materials : Metals.  
 Special rules on packaging : Keep only in original container.

### 7.3. Specific end use(s)

No additional information available

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**8.1.1 National occupational exposure and biological limit values**

No additional information available

**8.1.2. Recommended monitoring procedures**

No additional information available

**8.1.3. Air contaminants formed**

No additional information available

**8.1.4. DNEL and PNEC**

No additional information available

**8.1.5. Control banding**

No additional information available

**8.2. Exposure controls**

**8.2.1. Appropriate engineering controls**

No additional information available

**8.2.2. Personal protection equipment**

Personal protective equipment symbol(s):



**8.2.2.1. Eye and face protection**

|                        |
|------------------------|
| <b>Eye protection:</b> |
| Safety glasses. EN 166 |

**8.2.2.2. Skin protection**

|   |
|---|
| <b>Skin and body protection:</b>          |
| Not required for normal conditions of use |

|  |
|--|
| <b>Hand protection:</b>  |
| Chemical resistant gloves (according to European standard EN 374 or equivalent). Nitrile rubber gloves |

|   |
|---|
| <b>Other skin protection</b>              |
| <b>Materials for protective clothing:</b> |
| Not required for normal conditions of use |

**8.2.2.3. Respiratory protection**

|   |
|---|
| <b>Respiratory protection:</b>            |
| Not required for normal conditions of use |

**8.2.2.4. Thermal hazards**

No additional information available

**8.2.3. Environmental exposure controls**

No additional information available

**Safety Data Sheet**

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

**SECTION 9: Physical and chemical properties**

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

|   |                     |
|---|---------------------|
| Physical state                                  | : Liquid            |
| Appearance                                      | : Liquid.           |
| Colour  | : Colourless.       |
| Odour   | : characteristic.   |
| Odour threshold                                 | : No data available |
| pH  | : 12.7              |
| Relative evaporation rate (butylacetate=1)      | : No data available |
| Melting point                                   | : No data available |
| Freezing point                                  | : No data available |
| Boiling point                                   | : ≥ 100 °C          |
| Flash point                                     | : No data available |
| Auto-ignition temperature                       | : No data available |
| Decomposition temperature                       | : No data available |
| Flammability (solid, gas)                       | : No data available |
| Vapour pressure                                 | : No data available |
| Relative vapour density at 20 °C                | : No data available |
| Relative density                                | : 1.01              |
| Solubility                                      | : Soluble in water. |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Viscosity, kinematic                            | : No data available |
| Viscosity, dynamic                              | : No data available |
| Explosive properties                            | : No data available |
| Oxidising properties                            | : No data available |
| Explosive limits                                | : No data available |

**9.2. Other information**

No additional information available

**SECTION 10: Stability and reactivity**

**10.1. Reactivity**

The product is non-reactive under normal conditions of use, storage and transport.

**10.2. Chemical stability**

Stable under normal conditions of use.

**10.3. Possibility of hazardous reactions**

No dangerous reactions known under normal conditions of use.

**10.4. Conditions to avoid**

None under recommended storage and handling conditions (see section 7).

**10.5. Incompatible materials**

Acids.

**10.6. Hazardous decomposition products**

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**SECTION 11: Toxicological information**

**11.1 Information on toxicological effects**

|                         |                  |
|-------------------------|------------------|
| Acute toxicity (oral)   | : Not classified |
| Acute toxicity (dermal) | : Not classified |

**Safety Data Sheet**

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

|                                   |  |
|-----------------------------------|--|
| Acute toxicity (inhalation)       | : Not classified                         |
| Skin corrosion/irritation         | : Causes severe skin burns.<br>pH: 12.7  |
| Serious eye damage/irritation     | : Causes serious eye damage.<br>pH: 12.7 |
| Respiratory or skin sensitisation | : Not classified                         |
| Germ cell mutagenicity            | : Not classified                         |
| Carcinogenicity                   | : Not classified                         |
| Reproductive toxicity             | : Not classified                         |
| STOT-single exposure              | : Not classified                         |

**disodium metasilicate**

|                      |                                   |
|----------------------|-----------------------------------|
| STOT-single exposure | May cause respiratory irritation. |
|----------------------|-----------------------------------|

|                        |                  |
|------------------------|------------------|
| STOT-repeated exposure | : Not classified |
| Aspiration hazard      | : Not classified |

**SECTION 12: Ecological information**

**12.1. Toxicity**

|   |  |
|---|--|
| Hazardous to the aquatic environment, short-term (acute)  | : Not classified                                     |
| Hazardous to the aquatic environment, long-term (chronic) | : Harmful to aquatic life with long lasting effects. |

**Alcohol Alkoxylate (166736-08-9)**

|                            |               |
|----------------------------|---------------|
| LC50 - Fish [1]            | 10 – 100 mg/l |
| EC50 - Crustacea [1]       | 10 – 100 mg/l |
| ErC50 other aquatic plants | 10 – 100 mg/l |

**12.2. Persistence and degradability**

No additional information available

**12.3. Bioaccumulative potential**

No additional information available

**12.4. Mobility in soil**

No additional information available

**12.5. Results of PBT and vPvB assessment**

No additional information available

**12.6. Other adverse effects**

No additional information available

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

No additional information available

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

**SECTION 14: Transport information**

In accordance with ADR / IMDG / IATA

**14.1 UN number**

UN-No. (ADR) : UN 1760  
 UN-No. (IMDG) : UN 1760  
 UN-No. (IATA) : UN 1760

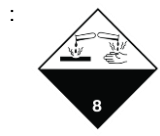
**14.2. UN proper shipping name**

Proper Shipping Name (ADR) : CORROSIVE LIQUID, N.O.S.  
 Proper Shipping Name (IMDG) : CORROSIVE LIQUID, N.O.S.  
 Proper Shipping Name (IATA) : Corrosive liquid, n.o.s.  
 Transport document description (ADR) : UN 1760 CORROSIVE LIQUID, N.O.S. (SODIUM METASILICATE, QUATERNARY AMMONIUM COMPOUNDS), 8, III, (E)  
 Transport document description (IMDG) : UN 1760 CORROSIVE LIQUID, N.O.S. (SODIUM METASILICATE, QUATERNARY AMMONIUM COMPOUNDS), 8, III  
 Transport document description (IATA) : UN 1760 Corrosive liquid, n.o.s., 8, III

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

**ADR**

Transport hazard class(es) (ADR) : 8  
 Danger labels (ADR) : 8



**IMDG**

Transport hazard class(es) (IMDG) : 8  
 Danger labels (IMDG) : 8



**IATA**

Transport hazard class(es) (IATA) : 8  
 Danger labels (IATA) : 8



**14.4. Packing group**

Packing group (ADR) : III  
 Packing group (IMDG) : III  
 Packing group (IATA) : III

**14.5. Environmental hazards**

Dangerous for the environment : No  
 Marine pollutant : No  
 Other information : No supplementary information available

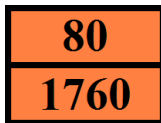
**Safety Data Sheet**

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

**14.6. Special precautions for user**

**Overland transport**

- Classification code (ADR) : C9
- Special provisions (ADR) : 274
- Limited quantities (ADR) : 5I
- Excepted quantities (ADR) : E1
- Packing instructions (ADR) : P001, IBC03, LP01, R001
- Mixed packing provisions (ADR) : MP19
- Portable tank and bulk container instructions (ADR) : T7
- Portable tank and bulk container special provisions (ADR) : TP1, TP28
- Tank code (ADR) : L4BN
- Vehicle for tank carriage : AT
- Transport category (ADR) : 3
- Special provisions for carriage - Packages (ADR) : V12
- Hazard identification number (Kemler No.) : 80
- Orange plates :



- Tunnel restriction code (ADR) : E
- EAC code : 2X
- APP code : B

**Transport by sea**

- Special provisions (IMDG) : 223, 274
- Limited quantities (IMDG) : 5 L
- Excepted quantities (IMDG) : E1
- Packing instructions (IMDG) : P001, LP01
- IBC packing instructions (IMDG) : IBC03
- Tank instructions (IMDG) : T7
- Tank special provisions (IMDG) : TP1, TP28
- EmS-No. (Fire) : F-A
- EmS-No. (Spillage) : S-B
- Stowage category (IMDG) : A
- Properties and observations (IMDG) : Causes burns to skin, eyes and mucous membranes.

**Air transport**

- PCA Excepted quantities (IATA) : E1
- PCA Limited quantities (IATA) : Y841
- PCA limited quantity max net quantity (IATA) : 1L
- PCA packing instructions (IATA) : 852
- PCA max net quantity (IATA) : 5L
- CAO packing instructions (IATA) : 856
- CAO max net quantity (IATA) : 60L
- Special provisions (IATA) : A3
- ERG code (IATA) : 8L

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

- IBC code : Not applicable.

**SECTION 15: Regulatory information**

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

**15.1.1. EU-Regulations**

- Contains no REACH substances with Annex XVII restrictions
- Contains no substance on the REACH candidate list
- Contains no REACH Annex XIV substances
- Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.



**Safety Data Sheet**

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Detergent Regulation (648/2004/EC): Labelling of contents:

| Component                                   | %   |
|---|-----|
| non-ionic surfactants, cationic surfactants | <5% |

**15.1.2. National regulations**

**United Kingdom**

British National Regulations

: Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH).  
Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008.  
Detergent Regulation (648/2004/EC).

**15.2. Chemical safety assessment**

No additional information available

**SECTION 16: Other information**

**Full text of H- and EUH-statements:**

|                     |  |
|---------------------|--|
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4  |
| Aquatic Acute 1     | Hazardous to the aquatic environment — Acute Hazard, Category 1                            |
| Aquatic Chronic 1   | Hazardous to the aquatic environment — Chronic Hazard, Category 1                          |
| Eye Dam. 1          | Serious eye damage/eye irritation, Category 1  |
| Eye Irrit. 2        | Serious eye damage/eye irritation, Category 2  |
| Skin Corr. 1B       | Skin corrosion/irritation, Category 1, Sub-Category 1B                                     |
| STOT SE 3           | Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation |
| H302                | Harmful if swallowed.  |
| H314                | Causes severe skin burns and eye damage.   |
| H318                | Causes serious eye damage.   |
| H319                | Causes serious eye irritation.   |
| H335                | May cause respiratory irritation.  |
| H400                | Very toxic to aquatic life.  |
| H410                | Very toxic to aquatic life with long lasting effects.                                      |
| H412                | Harmful to aquatic life with long lasting effects.   |

**Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:**

|                   |      |                       |
|-------------------|------|-----------------------|
| Skin Corr. 1      | H314 | On basis of test data |
| Eye Dam. 1        | H318 | On basis of test data |
| Aquatic Chronic 3 | H412 | Calculation method    |

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.