

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product form : Mixture  
Product name : CARETEX BRIGHT CL  
Product code : 262  
Type of product : Detergent  
Product group : Mixture

**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  
Use of the substance/mixture : chlorine-based bleaching agents

**1.2.2. Uses advised against**

No additional information available

**1.3. Details of the supplier of the safety data sheet****Manufacturer**

Christeyns UK Ltd.  
Rutland Street  
GB Bradford BD4 7EA  
United Kingdom  
T +44 (0)1274 39 32 86, F +44 (0)1274 30 91 43  
[info@christeyns.be](mailto:info@christeyns.be), [www.christeyns.com](http://www.christeyns.com)

**Manufacturer**

Christeyns Professional Hygiene UK Ltd  
Clover House  
Macclesfield Road  
SK23 7DQ Whaley Bridge, Derbyshire  
United Kingdom  
T 01663 733114, F 01663 733115  
[info.cph.uk@christeyns.com](mailto:info.cph.uk@christeyns.com), [www.christeyns-ph.co.uk](http://www.christeyns-ph.co.uk)

**Supplier**

Christeyns Technologies Ltd.  
Mazars, Block 3, Harcourt Centre, Harcourt Road  
IE 2 Dublin  
Ireland  
T +353 1 8146022

**1.4. Emergency telephone number**

Country/Area	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital	Dudley Road B18 7QH	0344 892 0111	Only for healthcare professionals

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Corrosive to metals, Category 1 H290  
Skin corrosion/irritation, Category 1, Sub-Category 1B H314  
Serious eye damage/eye irritation, Category 1 H318  
Hazardous to the aquatic environment – Acute Hazard,  
Category 1 H400  
Hazardous to the aquatic environment – Chronic Hazard,  
Category 2 H411

Full text of H- and EUH-statements: see section 16

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

No additional information available

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## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

### 2.2. Label elements

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

Hazard pictograms (CLP)



GHS05

GHS09

CLP Signal word

: Danger

Contains

: Sodium hypochlorite; Sodium hydroxide

Hazard statements (CLP)

: H290 - May be corrosive to metals.  
H314 - Causes severe skin burns and eye damage.  
H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements (CLP)

: P280 - Wear protective gloves, protective clothing, eye protection.  
P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 - Immediately call a POISON CENTER or doctor/physician.  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

EUH-statements

: EUH031 - Contact with acids liberates toxic gas.

### 2.3. Other hazards

Contains no PBT and/or vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not 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 at a concentration equal to or greater than 0,1 %

## 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]
Sodium hypochlorite	CAS-no: 7681-52-9 Einecs nr: 231-668-3 EG annex nr: 017-011-00-1 REACH-no: 01-2119488154-34	5 – 10	Met. Corr. 1, H290 Skin Corr. 1B, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1) EUH031
Sodium hydroxide substance with national workplace exposure limit(s) (BE, BG, CZ, DK, EE, ES, FI, GB, GR, HR, HU, IE, LT, LV, PL, PT, RO, SE, SK, IS, NO, CH)	CAS-no: 1310-73-2 Einecs nr: 215-185-5 EG annex nr: 011-002-00-6 REACH-no: 01-2119457892-27	1 – 3	Met. Corr. 1, H290 Skin Corr. 1A, H314

#### Specific concentration limits:

Name	Product identifier	Specific concentration limits (%)
Sodium hypochlorite	CAS-no: 7681-52-9 Einecs nr: 231-668-3 EG annex nr: 017-011-00-1 REACH-no: 01-2119488154-34	(5 $\leq$ C $\leq$ 100) EUH031
Sodium hydroxide	CAS-no: 1310-73-2 Einecs nr: 215-185-5 EG annex nr: 011-002-00-6 REACH-no: 01-2119457892-27	(0.5 $\leq$ C < 2) Eye Irrit. 2, H319 (0.5 $\leq$ C < 2) Skin Irrit. 2, H315 (2 $\leq$ C < 5) Skin Corr. 1B, H314 (5 $\leq$ C $\leq$ 100) Skin Corr. 1A, H314

Full text of H- and EUH-statements: see section 16

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

General advice	: In all cases of doubt, or when symptoms persist, seek medical attention.
Inhalation	: Take victim to fresh air, in a quiet place and if necessary take medical advice.
Skin contact	: Get medical advice/attention. After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.
Eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
Ingestion	: Rinse mouth out with water. Do not induce vomiting. Call a physician immediately.

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

Acute effects inhalation	: May cause respiratory irritation.
Acute effects skin	: Burns upon contact with the skin.
Acute effects eyes	: Corrosive to eyes.
Acute effects oral route	: Burns to the gastric/intestinal mucosa.

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

No additional information available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media : All extinguishing agents can be used.

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

No additional information available

#### 5.3. Advice for firefighters

Protection during firefighting : Use self-contained breathing apparatus and chemically protective clothing.

### SECTION 6: Accidental release measures

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

##### 6.1.1. For non-emergency personnel

Protective equipment	: Concerning personal protective equipment to use, see section 8.
Emergency procedures	: Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

No additional information available

#### 6.2. Environmental precautions

Avoid release to the environment.

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

Methods for cleaning up : Absorb spilled material with sand or earth. Shovel or sweep up and put in a closed container for disposal.

#### 6.4. Reference to other sections

No additional information available

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling	: Avoid contact with skin and eyes. After use, container has to be completely emptied and closed. Never return unused material to original container.
Hygiene measures	: Do not eat, drink or smoke when using this product. Take off immediately all contaminated clothing and wash it before reuse. Always wash hands after handling the product.

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

Storage conditions	: Keep only in original container. Store tightly closed in a dry and cool place.
Material(s) to avoid	: Never mix with other materials.

#### 7.3. Specific end use(s)

No additional information available

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

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

<b>Sodium hydroxide (1310-73-2)</b>	
<b>Ireland - Occupational Exposure Limits</b>	
Local name	Sodium hydroxide

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Sodium hydroxide (1310-73-2)	
OEL STEL	2 mg/m <sup>3</sup>
Remark	Advisory OELV (Advisory Occupational Exposure Limit Values)
Regulatory reference	Chemical Agents Code of Practice 2024
<b>United Kingdom - Occupational Exposure Limits</b>	
Local name	Sodium hydroxide
WEL STEL (OEL STEL)	2 mg/m <sup>3</sup>
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

### 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

#### 8.2.2.1. Eye and face protection

##### Eye protection:

Safety glasses with side-shields (EN 166)

#### 8.2.2.2. Skin protection

##### Protective equipment:

Wear suitable protective clothing minimum (EN 13034) Type 6 equipment

##### Hand protection:

Chemical resistant PVC gloves (to European standard EN 374 or equivalent)

#### 8.2.2.3. Respiratory protection

##### Respiratory protection:

Provide adequate ventilation

#### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

No additional information available

## SECTION 9: Physical and chemical properties

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

Physical state	: Liquid
Colour	: Clear. Yellowish.
Physical state/form	: Liquid.
Odour	: chlorine.
Odour threshold	: Not available
Melting point/range	: < 0 °C
Freezing point	: Not determined as it is not relevant for the characterization of the product
Boiling point/Boiling range	: Not determined as it is not relevant for the characterization of the product
Flammability	: Not determined as it is not relevant for the characterization of the product
Lower explosion limit	: Constituents do not contain chemical groups associated with explosivity
Upper explosion limit	: Constituents do not contain chemical groups associated with explosivity

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Flash point	: Not determined as it is not relevant for the characterization of the product
Autoignition temperature	: Determination of the auto-ignition temperature is only relevant for pyrophoric liquids, however the mixture is not a pyrophoric liquid so the test is not required.
Decomposition temperature	: Only applies to self-reactive substances and mixtures, organic peroxides, and other substances and mixtures that may decompose.
pH	: 13.5 ± 0,5 (100%); 11,8 ± 0,5 (1%)
Viscosity, kinematic	: 9 mm <sup>2</sup> /s
Viscosity, dynamic	: 5 – 15 mPa·s at 20 °C
Solubility	: Water: Soluble
Partition coefficient n-octanol/water (Log Kow)	: Does not apply to inorganic and ionic liquids and does not generally apply to mixtures.
Vapour pressure	: Not available
Vapour pressure at 50°C	: Not available
Density	: 1.125 g/m <sup>3</sup>
Relative density	: Not available
Relative vapour density at 20°C	: Not available
Particle characteristics	: Not applicable

### 9.2. Other information

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

No additional information available

#### 9.2.2. Other safety characteristics

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

No decomposition if stored normally.

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

Contact with acids liberates toxic gas (chlorine).

### 10.5. Incompatible materials

Never mix with other materials.

### 10.6. Hazardous decomposition products

Hazardous decomposition products may be released during prolonged heating like smokes, carbon monoxide and dioxide. By contact with acids poisonous chloric gases can be released under heat development.

## SECTION 11: Toxicological information

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

Acute toxicity (oral)	: Not classified
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Sodium hypochlorite (7681-52-9)	
LD50 oral rat	> 2000 mg/kg
LD50 oral	8910 mg/kg bodyweight
LD50 dermal rabbit	> 2000 mg/kg

Skin corrosion/irritation	: Causes severe skin burns. pH: 13.5 ± 0,5 (100%); 11,8 ± 0,5 (1%)
Serious eye damage/irritation	: Causes serious eye damage. pH: 13.5 ± 0,5 (100%); 11,8 ± 0,5 (1%)
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified

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Aspiration hazard : Not classified

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Viscosity, kinematic	9 mm <sup>2</sup> /s
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#### 11.2. Information on other hazards

No additional information available

### SECTION 12: Ecological information

#### 12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Very toxic to aquatic life.

Hazardous to the aquatic environment, long-term (chronic) : Toxic to aquatic life with long lasting effects.

#### Sodium hypochlorite (7681-52-9)

LC50 - Fish [1]	0.06 mg/l (fresh water)
LC50 - Fish [2]	0.032 mg/l (marine water)
EC50 - Crustacea [1]	0.141 mg/l (Daphnia magna - fresh water)
EC50 - Other aquatic organisms [1]	0.026 mg/l (Crassostrea virginica - marine water)

#### Sodium hydroxide (1310-73-2)

LC50 - Fish [1]	> 35 mg/l
EC50 - Crustacea [1]	40.4 mg/l (Ceriodaphnia)
EC50 - Other aquatic organisms [1]	> 33 mg/l waterflea

#### 12.2. Persistence and degradability

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Persistence and degradability	The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.
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##### Sodium hypochlorite (7681-52-9)

Persistence and degradability	Strong oxidizing agent, It will react with organic substances present in soil and sediments and degrades rapidly to chloride, Sodium hypochlorite is substantially removed in biological treatment processes.
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##### Sodium hydroxide (1310-73-2)

Persistence and degradability	The methods for determining biodegradability are not applicable to inorganic substances.
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#### 12.3. Bioaccumulative potential

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Partition coefficient n-octanol/water (Log Kow)	Does not apply to inorganic and ionic liquids and does not generally apply to mixtures.
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##### Sodium hypochlorite (7681-52-9)

Log Pow	-3.42
Bioaccumulative potential	Bioaccumulation unlikely.

##### Sodium hydroxide (1310-73-2)

Log Pow	-3.88
Bioaccumulative potential	No bioaccumulation.

#### 12.4. Mobility in soil

No additional information available

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

No additional information available

#### 12.6. Endocrine disrupting properties

No additional information available

#### 12.7. Other adverse effects

No additional information available

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### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Waste / unused products

: Collect all waste in suitable and labelled containers and dispose according to local legislation.

European List of Waste (LoW, EC 2000/532)

: 20 01 29\* - detergents containing dangerous substances

HP Code




: HP8 - "Corrosive:" waste which on application can cause skin corrosion.

HP12 - "Release of an acute toxic gas:" waste which releases acute toxic gases (Acute Tox. 1, 2 or 3) in contact with water or an acid

HP14 - "Ecotoxic:" waste which presents or may present immediate or delayed risks for one or more sectors of the environment

### SECTION 14: Transport information

In accordance with ADR / IMDG / IATA

ADR	IMDG	IATA
<b>14.1. UN number or ID number</b>		
UN 1719	UN 1719	UN 1719
<b>14.2. UN proper shipping name</b>		
CAUSTIC ALKALI LIQUID, N.O.S. (Sodium hypochlorite ; Sodium hydroxide)	CAUSTIC ALKALI LIQUID, N.O.S. (Sodium hypochlorite ; Sodium hydroxide)	Caustic alkali liquid, n.o.s. (Sodium hypochlorite ; Sodium hydroxide)
<b>Transport document description</b>		
UN 1719 CAUSTIC ALKALI LIQUID, N.O.S. (Sodium hypochlorite ; Sodium hydroxide), 8, II, (E), ENVIRONMENTALLY HAZARDOUS	UN 1719 CAUSTIC ALKALI LIQUID, N.O.S. (Sodium hypochlorite ; Sodium hydroxide), 8, II, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS	UN 1719 Caustic alkali liquid, n.o.s. (Sodium hypochlorite ; Sodium hydroxide), 8, II, ENVIRONMENTALLY HAZARDOUS
<b>14.3. Transport hazard class(es)</b>		
8	8	8
		
<b>14.4. Packing group</b>		
II	II	II
<b>14.5. Environmental hazards</b>		
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes
No supplementary information available		

#### 14.6. Special precautions for user

##### Overland transport

Classification code (ADR)

: C5

Special provisions (ADR)

: 274

Limited quantities (ADR)

: 1I

Packing instructions (ADR)

: P001, IBC02

Mixed packing provisions (ADR)

: MP15

Portable tank and bulk container instructions (ADR)

: T11

Portable tank and bulk container special provisions (ADR)

: TP2, TP27

Tank code (ADR)

: L4BN

Vehicle for tank carriage

: AT

Transport category (ADR)

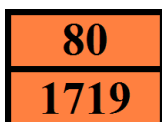
: 2

Hazard identification number (Kemler No.)

: 80

Orange plates

:



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Tunnel code : E  
EAC code : 2R

### Transport by sea

Special provisions (IMDG) : 274  
Limited quantities (IMDG) : 1 L  
Packing instructions (IMDG) : P001  
IBC packing instructions (IMDG) : IBC02

### Air transport

PCA Limited quantities (IATA) : Y840  
PCA limited quantity max net quantity (IATA) : 0.5L  
PCA packing instructions (IATA) : 851  
PCA max net quantity (IATA) : 1L  
CAO packing instructions (IATA) : 855  
CAO max net quantity (IATA) : 30L  
Special provisions (IATA) : A3, A803

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

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

##### REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

##### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

##### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

##### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

##### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

##### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

##### Council Regulation (EC) for the control of dual-use items

Contains substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

##### Detergent Regulation (648/2004)

Labelling of contents	
Component	%
chlorine-based bleaching agents	5-15%
phosphonates	<5%

##### Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

##### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

#### 15.1.2. National regulations

No additional information available

### 15.2. Chemical safety assessment

No additional information available



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### SECTION 16: Other information

Other information

: It is recommended to pass the information from this safety data sheet in an appropriate form to the users. The information is currently to the best of our knowledge and believed to be accurate and reliable. This information relates to the specifically named product and may not be valid in combination with other products.  
This safety data sheet is in compliance with 1907/2006/EEC. It is the responsibility of the user to take all necessary measures to meet local required laws and regulations. The producer is not responsible for any damage and loss due to the use of information mentioned in this safety data sheet.

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

Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
EUH031	Contact with acids liberates toxic gas
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
Met. Corr. 1	Corrosive to metals, Category 1
Skin Corr. 1A	Skin corrosion/irritation, Category 1, Sub-Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1, Sub-Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2

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

Met. Corr. 1	H290	Calculation method
Skin Corr. 1B	H314	Calculation method
Eye Dam. 1	H318	Calculation method
Aquatic Acute 1	H400	Calculation method
Aquatic Chronic 2	H411	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.