

# SAFETY DATA SHEET

Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567

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

### 1.1 Product identifier

**Product name:** CLEAN N FRESH THICK BLEACH ORIGINAL  
**Product No.**0016136168 UFI:9AY4-N63F-XN09-TM25

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

**Identified uses:** For cleaning and bleaching of toilet bowls

**Uses advised against:** Do not mix with other household chemicals particularly those containing acids.

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

#### Manufacturer

McBride Plc MIDDLETON  
 Middleton Way, Middleton  
 M24 4DP MANCHESTER  
 UK

**Telephone:** + 44 (0) 161 653 9037

**Website:** <http://www.detergentinfo.com>

**E-mail:** [product.legislation@mcbride.eu](mailto:product.legislation@mcbride.eu)

#### Supplier

McBride Plc MIDDLETON  
 Middleton Way, Middleton  
 M24 4DP MANCHESTER  
 UK

**Telephone:** + 44 (0) 161 653 9037

**1.4 Emergency telephone number:** UK + 44 (0) 161 653 9037, ROI 01 809 2166 8am-10pm 7 days a week

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

The product has been classified according to the legislation in force.

**Classification (REGULATION (EC) No 1272/2008) as amended by GB-CLP Regulation, UK SI 2019/720, and UK SI 2020/1567**

#### Physical Hazards

Corrosive to metal	Category 1	H290: May be corrosive to metals.
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#### Health Hazards

Skin corrosion	Category 1	H314: Causes severe skin burns and eye damage.
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Serious eye damage	Category 1	H318: Causes serious eye damage.
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### Environmental Hazards

Acute hazards to the aquatic environment	Category 1	H400: Very toxic to aquatic life.
Chronic hazards to the aquatic environment	Category 2	H411: Toxic to aquatic life with long lasting effects.

## 2.2 Label Elements



**Signal Word:** Danger

**Hazard Statement(s):**  
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

**General:**  
P101: If medical advice is needed, have product container or label at hand.  
P102: Keep out of reach of children.

**Prevention:**  
P280: Wear protective gloves/protective clothing/eye protection/face protection. P234: Keep only in original packaging.  
P273: Avoid release to the environment.

**Response:**  
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.  
P310: Immediately call a POISON CENTER/doctor.  
P390: Absorb spillage to prevent material damage.

**Storage:** P405: Store locked up.

**Disposal:** P501: Dispose of contents/container in accordance with local requirements for domestic waste disposal.

### Hazardous ingredients which must be listed on the label:

SODIUM HYPOCHLORITE  
SODIUM LAURETH SULFATE  
SODIUM HYDROXIDE

### Supplemental information

EUH206: Warning! Do not use together with other products. May release dangerous gases (chlorine).

### 2.3 Other hazards

#### PBT/vPvB data

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

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

Chemical name	Concentration	CAS-No.	EC No.	REACH Registration No.	M-Factor:	Notes
SODIUM HYPOCHLORITE	3 - <5%	7681-52-9	231-668-3	01-2119488154-34;	Aquatic Toxicity (Acute): 10; Aquatic Toxicity (Chronic): 1	
SODIUM LAURETH SULFATE	1 - <3%	9004-82-4		No data available.	No data available.	
SODIUM HYDROXIDE	0.5 - <1%	1310-73-2	215-185-5	01-2119457892-27;	No data available.	#
AMINES, C12-18-ALKYLDIMETHYL, N-OXIDES	0.1 - <1%	68955-55-5	273-281-2	01-2119489396-21;	Aquatic Toxicity (Acute): 1	

\* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

# This substance has workplace exposure limit(s).

## This substance is listed as SVHC.

#### Classification

Chemical name	Classification	Notes
SODIUM HYPOCHLORITE	Classification: Met. Corr.: 1: H290; Eye Dam.: 1: H318; STOT SE: 3: H335; Skin Corr.: 1B: H314; Eye Dam.: 1: H318; Skin Corr.: 1B: H314; Aquatic Chronic: 1: H410; Aquatic Acute: 1: H400; Aquatic Acute: 1: H400; Aquatic Chronic: 1: H410;  Supplemental label information: EUH031;	Note B
SODIUM LAURETH SULFATE	Classification: Skin Irrit.: 2: H315; Eye Dam.: 1: H318; Aquatic Chronic: 3: H412;  Supplemental label information: None known.	None.
SODIUM HYDROXIDE	Classification: Met. Corr.: 1: H290; Skin Corr.: 1A: H314;  Supplemental label information: None known.	None.
AMINES, C12-18-ALKYLDIMETHYL, N-OXIDES	Classification: Acute Tox.: 4: H302; Skin Irrit.: 2: H315; Eye Dam.: 1: H318; Aquatic Acute: 1: H400; Aquatic Chronic: 2: H411;	None.

	Supplemental label information: None known.	
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CLP: Regulation No. 1272/2008.  
The full text for all H-statements is displayed in section 16.

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

<b>Inhalation:</b>	Move to fresh air.
<b>Skin Contact:</b>	Flush skin thoroughly with water.
<b>Eye contact:</b>	Get medical attention immediately. Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart.
<b>Ingestion:</b>	Rinse mouth thoroughly. Do NOT induce vomiting. Seek medical attention.
<b>Personal Protection for First-aid Responders:</b>	No data available.

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

<b>Symptoms:</b>	Causes severe burns.
<b>Hazards:</b>	No special precautionary health measures should be needed under anticipated conditions of use.

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

<b>Treatment:</b>	Get medical attention if symptoms occur.
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## SECTION 5: Firefighting measures

<b>General Fire Hazards:</b>	No unusual fire or explosion hazards noted.
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### 5.1 Extinguishing media

<b>Suitable extinguishing media:</b>	Extinguish with foam, carbon dioxide, dry powder or water fog.
<b>Unsuitable extinguishing media:</b>	Do not use water jet as an extinguisher, as this will spread the fire.

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

During fire, gases hazardous to health may be formed.

### 5.3 Advice for firefighters

Special fire-fighting procedures:	Wear self-contained breathing apparatus and protective clothing.
Special protective equipment for fire-fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**SECTION 6: Accidental release measures**

- 6.1 **Personal precautions, protective equipment and emergency procedures:** Avoid contact with eyes and prolonged or repeated contact with skin. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
- 6.1.1 **For non-emergency personnel:** See Section 8 of the SDS for Personal Protective Equipment.
- 6.1.2 **For emergency responders:** No data available.
- 6.2 **Environmental Precautions:** Avoid release to the environment. Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so.
- 6.3 **Methods and material for containment and cleaning up:** Dike far ahead of larger spill for later recovery and disposal. Absorb with sand or other inert absorbent. Stop the flow of material, if this is without risk. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.
- 6.4 **Reference to other sections:** No data available.

**SECTION 7: Handling and storage**

- 7.1 **Precautions for safe handling**
  - Technical measures:** No data available.
  - Local/Total ventilation:** No data available.
  - Safe handling advice:** Do not get in eyes. Wash hands thoroughly after handling. Use only as directed. Provide adequate ventilation. Avoid contact with skin.
  - Contact avoidance measures:** No data available.
- 7.2 **Conditions for safe storage, including any incompatibilities**
  - Safe storage conditions:** Store away from incompatible materials. Store in original tightly closed container.
  - Safe packaging materials:** No data available.
- 7.3 **Specific end use(s):** For cleaning and bleaching of toilet bowls

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

8.1 **Control Parameters**  
**Occupational Exposure Limits**

Chemical name	Type	Form of exposure	Exposure Limit Values	Source
SODIUM HYDROXIDE	STEL		2.000000 mg/m3	EH40 WEL (12 2011)

Please refer to the latest edition of the appropriate source text and consult an industrial hygienist or similar professional, or local agencies, for further information.

Chemical name	Type	Form of exposure	Exposure Limit Values	Source
SODIUM HYDROXIDE	STEL		2.000000 mg/m3	EH40 WEL (12 2011)

Please refer to the latest edition of the appropriate source text and consult an industrial hygienist or similar professional, or local agencies, for further information.

#### Biological Limit Values

No biological exposure limits noted for the ingredient(s).

#### 8.2 Exposure controls

**Appropriate Engineering Controls:** No data available.

#### Individual protection measures, such as personal protective equipment

- Eye/face protection:** Use approved safety goggles or face shield.
- Hand Protection:** Material: Use suitable protective gloves if risk of skin contact.
- Skin and Body Protection:** No data available.
- Respiratory Protection:** Not relevant, due to the form of the product.
- Hygiene measures:** Do not get in eyes. Avoid contact with skin. Wash hands thoroughly after handling.
- Environmental Controls:** No eSDS available.

### SECTION 9: Physical and chemical properties

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

##### Appearance

- Physical state:** liquid
- Form:** liquid
- Color:** Colorless
- Odor:** green - fresh
- Odor Threshold:** Odor perceived during normal use
- Freezing point:** This property is not relevant for the safety and classification of this product  
 < 0.00 °C
- Boiling Point:** > 70.00 °C
- Flammability:** This property is not relevant for the safety and classification of this product
- Upper/lower limit on flammability or explosive limits**
- Explosive limit - upper:** This property is not relevant for the safety and classification of this product

<b>Explosive limit - lower:</b>	This property is not relevant for the safety and classification of this product
<b>Flash Point:</b>	>93.00 °C
	Does not sustain combustibility based on test data.
<b>Auto-ignition temperature:</b>	This property is not relevant for the safety and classification of this product
<b>Decomposition Temperature:</b>	Not applicable, this property applies only to self-reactive mixtures
<b>pH:</b>	> 11.50
<b>Viscosity</b>	
<b>Dynamic viscosity:</b>	This property is not relevant for the safety and classification of this product
<b>Kinematic viscosity:</b>	37.500 mm <sup>2</sup> /s
<b>Solubility(ies)</b>	
<b>Solubility in Water:</b>	The product is soluble in water.
<b>Partition coefficient (n-octanol/water):</b>	This property does not apply to mixtures
<b>Vapor pressure:</b>	This property is not relevant for the safety and classification of this product
<b>Relative density:</b>	1.0770
<b>Density:</b>	No data available.
<b>Relative vapor density:</b>	This property is not relevant for the safety and classification of this product

## 9.2 Other information

<b>Explosive properties:</b>	This property is not relevant for the safety and classification of this product Not classified
<b>Autoignition Temperature:</b>	This property is not relevant for the safety and classification of this product
<b>Metal Corrosion:</b>	> 6.26 mm/a
<b>VOC Content:</b>	EU. Directive 2010/75/EU on Industrial Emissions (IPPC), Annex II, L 334/17 45.99 g/l 4.60 % Method: calculated

## SECTION 10: Stability and reactivity

<b>10.1 Reactivity:</b>	Stable under normal temperature conditions and recommended use.
<b>10.2 Chemical Stability:</b>	Material is stable under normal conditions.
<b>10.3 Possibility of hazardous reactions:</b>	None under normal conditions.
<b>10.4 Conditions to avoid:</b>	Avoid heat or contamination. Do not freeze.

- 10.5 Incompatible Materials:** Strong acids. Strong oxidizing substances. Strong bases.
- 10.6 Hazardous Decomposition Products:** By fire, toxic gases may be formed (COx, NOx).

## SECTION 11: Toxicological information

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

- Inhalation:** None under normal conditions.
- Skin Contact:** Causes severe skin burns.
- Eye contact:** Causes serious eye damage.
- Ingestion:** May be ingested by accident. Ingestion may cause irritation and malaise.

#### Acute toxicity (list all possible routes of exposure)

##### Oral

- Product:** Not classified for acute toxicity based on available data.
- Components:**
- SODIUM HYPOCHLORITE Based on available data, the classification criteria are not met.
- SODIUM LAURETH SULFATE Based on available data, the classification criteria are not met.
- SODIUM HYDROXIDE AMINES, C12-18-ALKYLDIMETHYL, N-OXIDES Based on available data, the classification criteria are not met. LD 50, Rat, 846.000000 mg/kg Harmful if swallowed.

##### Dermal

- Product:** Not classified for acute toxicity based on available data.
- Components:**
- SODIUM HYPOCHLORITE Based on available data, the classification criteria are not met.
- SODIUM LAURETH SULFATE Based on available data, the classification criteria are not met.
- SODIUM HYDROXIDE AMINES, C12-18-ALKYLDIMETHYL, N-OXIDES Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met.

##### Inhalation

- Product:** Not classified for acute toxicity based on available data.
- Components:**
- SODIUM HYPOCHLORITE Based on available data, the classification criteria are not met.
- SODIUM LAURETH SULFATE Based on available data, the classification criteria are not met.
- SODIUM HYDROXIDE AMINES, C12-18-ALKYLDIMETHYL, N-OXIDES Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met.

#### Repeated dose toxicity



**Product:** Based on available data, the classification criteria are not met.  
**Components:**  
SODIUM Based on available data, the classification criteria are not met.  
HYPOCHLORITE  
SODIUM LAURETH Based on available data, the classification criteria are not met.  
SULFATE  
SODIUM HYDROXIDE Based on available data, the classification criteria are not met.  
AMINES, C12-18- Based on available data, the classification criteria are not met.  
ALKYLDIMETHYL, N-  
OXIDES

#### Skin Corrosion/Irritation

**Product:** Causes severe burns.  
**Components:**  
SODIUM in vivo, Guinea Pig, 4.00 h, Causes severe skin burns and eye damage.  
HYPOCHLORITE  
SODIUM LAURETH Causes skin irritation.  
SULFATE  
SODIUM HYDROXIDE Corrosive, in vivo, Human, 24.00 - 72.00 h, Experimental result, Key study  
Causes severe skin burns and eye damage.  
AMINES, C12-18- Category 2, in vivo, Rabbit, 72.00 h, Read-across based on grouping of  
ALKYLDIMETHYL, N- substances (category approach), Supporting study  
OXIDES Causes skin irritation.

#### Serious Eye Damage/Eye Irritation

**Product:** Causes serious eye damage.  
**Components:**  
SODIUM in vivo, Guinea Pig, Causes serious eye damage.  
HYPOCHLORITE  
SODIUM LAURETH Causes serious eye damage.  
SULFATE  
SODIUM HYDROXIDE Corrosive, Draize, Rabbit, 4.00 - 96.00 h  
Causes serious eye damage.  
AMINES, C12-18- Category 1, in vivo, Rabbit, 1.00 - 48.00 hrs, EU  
ALKYLDIMETHYL, N- Causes serious eye damage.  
OXIDES

#### Respiratory or Skin Sensitization

**Product:** Based on available data, the classification criteria are not met.  
**Components:**  
SODIUM Based on available data, the classification criteria are not met.  
HYPOCHLORITE  
SODIUM LAURETH Based on available data, the classification criteria are not met.  
SULFATE  
SODIUM HYDROXIDE Based on available data, the classification criteria are not met.  
AMINES, C12-18- Based on available data, the classification criteria are not met.  
ALKYLDIMETHYL, N-  
OXIDES

#### Carcinogenicity

**Product:** Based on available data, the classification criteria are not met.  
**Components:**  
SODIUM Based on available data, the classification criteria are not met.  
HYPOCHLORITE

SODIUM LAURETH SULFATE Based on available data, the classification criteria are not met.  
SODIUM HYDROXIDE AMINES, C12-18-ALKYLDIMETHYL, N-OXIDES Based on available data, the classification criteria are not met.  
Based on available data, the classification criteria are not met.

### Germ Cell Mutagenicity

#### In vitro

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

#### Components:

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

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

SODIUM HYDROXIDE AMINES, C12-18-ALKYLDIMETHYL, N-OXIDES Based on available data, the classification criteria are not met.

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

#### In vivo

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

#### Components:

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

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

SODIUM HYDROXIDE AMINES, C12-18-ALKYLDIMETHYL, N-OXIDES Based on available data, the classification criteria are not met.

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

### Reproductive toxicity

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

#### Components:

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

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

SODIUM HYDROXIDE AMINES, C12-18-ALKYLDIMETHYL, N-OXIDES Based on available data, the classification criteria are not met.

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

### Specific Target Organ Toxicity - Single Exposure

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

#### Components:

SODIUM HYPOCHLORITE May cause respiratory irritation.

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

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

AMINES, C12-18-ALKYLDIMETHYL, N-OXIDES Based on available data, the classification criteria are not met.

**Specific Target Organ Toxicity - Repeated Exposure**

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

**Components:**

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

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

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

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

AMINES, C12-18-ALKYLDIMETHYL, N-OXIDES Based on available data, the classification criteria are not met.

**Aspiration Hazard**

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

**Components:**

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

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

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

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

AMINES, C12-18-ALKYLDIMETHYL, N-OXIDES Based on available data, the classification criteria are not met.

**11.2 Information on other hazards**

**Other information**

**Product:** No data available.

**SECTION 12: Ecological information**

**General information:** Contains a substance which causes risk of hazardous effects to the environment. This material has not been tested for environmental effects.

**12.1 Toxicity:**

**Acute hazards to the aquatic environment:**

**Fish**

**Product:** No data.

**Components:**

SODIUM LC 50, Coho salmon, silver salmon (Oncorhynchus kisutch), 96.0 h, 0.167000 mg/l, Very toxic to aquatic life.

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

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

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

AMINES, C12-18-ALKYLDIMETHYL, N-OXIDES Very toxic to aquatic life.

AMINES, C12-18-ALKYLDIMETHYL, N-OXIDES

### Aquatic Invertebrates

**Product:** No data.  
**Components:**  
 SODIUM HYPOCHLORITE EC 50, Ceriodaphnia dubia, 48.0 h, 35.000000 µg/lflow-through, Experimental result, Key study  
 Very toxic to aquatic life.  
 SODIUM LAURETH SULFATE Based on available data, the classification criteria are not met.  
 SODIUM HYDROXIDE AMINES, C12-18-ALKYLDIMETHYL, N-OXIDES Based on available data, the classification criteria are not met.  
 Very toxic to aquatic life.

### Toxicity to Aquatic Plants

**Product:** Based on available data, the classification criteria are not met.  
**Components:**  
 SODIUM HYPOCHLORITE NOEC, Algae (Pseudokirchneriella subcapitata), 72.00 h, 0.0054000 mg/l, Static  
 SODIUM LAURETH SULFATE Based on available data, the classification criteria are not met.  
 SODIUM HYDROXIDE AMINES, C12-18-ALKYLDIMETHYL, N-OXIDES Based on available data, the classification criteria are not met.  
 EC 50, Green algae (Scenedesmus acutus), 72.00 h, 0.2400000 mg/l, Static  
 NOEC, Green algae (Scenedesmus acutus), 72.00 h, 0.0625000 mg/l, calculated

### Toxicity to microorganisms

**Product:** Based on available data, the classification criteria are not met.  
**Components:**  
 SODIUM HYPOCHLORITE Based on available data, the classification criteria are not met.  
 SODIUM LAURETH SULFATE Based on available data, the classification criteria are not met.  
 SODIUM HYDROXIDE AMINES, C12-18-ALKYLDIMETHYL, N-OXIDES Based on available data, the classification criteria are not met.  
 Based on available data, the classification criteria are not met.

### Chronic hazards to the aquatic environment:

#### Fish

**Product:** Based on available data, the classification criteria are not met.  
**Components:**  
 SODIUM HYPOCHLORITE Very toxic to aquatic life with long lasting effects.  
 SODIUM LAURETH SULFATE Harmful to aquatic life with long lasting effects.  
 SODIUM HYDROXIDE AMINES, C12-18-ALKYLDIMETHYL, N-OXIDES Based on available data, the classification criteria are not met.  
 Toxic to aquatic life with long lasting effects.

### Aquatic Invertebrates

**Product:** No data.  
**Components:**  
 SODIUM NOEC, Eastern Oyster, 15.0 d, 0.007000 mg/l, Very toxic to aquatic life

HYPOCHLORITE	with long lasting effects.
SODIUM LAURETH SULFATE	Harmful to aquatic life with long lasting effects.
SODIUM HYDROXIDE AMINES, C12-18- ALKYLDIMETHYL, N- OXIDES	Based on available data, the classification criteria are not met. Toxic to aquatic life with long lasting effects.

**Toxicity to microorganisms**

<b>Product:</b>	Based on available data, the classification criteria are not met.
<b>Components:</b>	
SODIUM HYPOCHLORITE	Based on available data, the classification criteria are not met.
SODIUM LAURETH SULFATE	Based on available data, the classification criteria are not met.
SODIUM HYDROXIDE	Based on available data, the classification criteria are not met.
AMINES, C12-18- ALKYLDIMETHYL, N- OXIDES	Based on available data, the classification criteria are not met.

**12.2 Persistence and Degradability**

**Biodegradation**

<b>Product:</b>	The surfactant(s) contained in this mixture comply with biodegradability criteria as laid down in regulations (EC) No 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the member state. The other components of this mixture are either environmentally inert or absorbed onto sewage and sediment etc or will biodegrade to substances which are likely to be of low environmental impact when the mixture is used as directed.
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<b>Components:</b>	
SODIUM HYPOCHLORITE	100.000000 %, Readily biodegradable
SODIUM LAURETH SULFATE	Readily biodegradable
SODIUM HYDROXIDE	No data available.
AMINES, C12-18- ALKYLDIMETHYL, N- OXIDES	Readily biodegradable

**12.3 Bioaccumulative potential**

**Bioconcentration Factor (BCF)**

<b>Product:</b>	The product is not bioaccumulating.
<b>Components:</b>	
SODIUM HYPOCHLORITE	No data available.
SODIUM LAURETH SULFATE	No data available.
SODIUM HYDROXIDE	No data available.
AMINES, C12-18- ALKYLDIMETHYL, N- OXIDES	No data available.

**Partition Coefficient n-octanol / water (log Kow)**

**Product:** , This property does not apply to mixtures  
**Components:**  
SODIUM No data available.  
HYPOCHLORITE  
SODIUM LAURETH No data available.  
SULFATE  
SODIUM HYDROXIDE No data available.  
AMINES, C12-18- No data available.  
ALKYLDIMETHYL, N-  
OXIDES

#### 12.4 Mobility in soil:

**Product:** No data available.  
**Components:**  
SODIUM HYPOCHLORITE No data available.  
SODIUM LAURETH No data available.  
SULFATE  
SODIUM HYDROXIDE No data available.  
AMINES, C12-18- No data available.  
ALKYLDIMETHYL, N-  
OXIDES

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

**Product:** Based on available data, the classification criteria are not met.  
**Components:**  
SODIUM HYPOCHLORITE Based on available data, the classification criteria are not met.  
SODIUM LAURETH Based on available data, the classification criteria are not met.  
SULFATE  
SODIUM HYDROXIDE Based on available data, the classification criteria are not met.  
AMINES, C12-18- Based on available data, the classification criteria are not met.  
ALKYLDIMETHYL, N-  
OXIDES

#### 12.6 Other adverse effects:

##### Other hazards

**Product:** Very toxic to aquatic organisms. Toxic to aquatic life with long lasting effects.

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

**General information:** Dispose of contents/container in accordance with local requirements for domestic waste disposal.

**Disposal methods:** Discharge, treatment, or disposal may be subject to national, state, or local laws. Do not allow to enter drains, sewers or watercourses.

**Contaminated Packaging:** No data available.

##### European Waste Codes

**Unused product:**  
**Used product:**

20 01 29\*: detergents containing hazardous substances  
15 01 10\*: packaging containing residues of or contaminated  
by hazardous substances

## SECTION 14: Transport information

### ADR

14.1 UN number or ID number: UN 1791  
14.2 UN Proper Shipping Name: HYPOCHLORITE SOLUTION  
14.3 Transport Hazard Class(es)  
Class: 8  
Label(s): 8  
Hazard No. (ADR): 80  
Tunnel restriction code: (E)  
14.4 Packing Group: III  
Limited quantity 5.00L  
Excepted quantity None.

### ADN

14.1 UN number or ID number: UN 1791  
14.2 UN Proper Shipping Name: HYPOCHLORITE SOLUTION  
14.3 Transport Hazard Class(es)  
Class: 8  
Label(s): 8  
Hazard No. (ADR): —  
14.4 Packing Group: III  
Limited quantity 5.00L  
Excepted quantity None.  
14.5 Special precautions for user: None.

### RID

14.1 UN number or ID number: UN 1791  
14.2 UN Proper Shipping Name: HYPOCHLORITE SOLUTION  
14.3 Transport Hazard Class(es)  
Class: 8  
Label(s): 8  
Hazard No. (ADR): 80  
14.4 Packing Group: III  
Limited quantity 5.00L  
Excepted quantity None.  
14.5 Environmental Hazards  
Environmentally Hazardous: No  
Marine Pollutant: Yes  
14.6 Special precautions for user: None.

### IMDG

14.1 UN number or ID number: UN 1791  
14.2 UN Proper Shipping Name: HYPOCHLORITE SOLUTION  
14.3 Transport Hazard Class(es)  
Class: 8  
Label(s): 8

EmS No.: F-A, S-B  
 14.4 Packing Group: III  
     Limited quantity 5.00L  
     Excepted quantity None.  
 14.5 Environmental Hazards  
     Environmentally Hazardous: No  
     Marine Pollutant: Yes  
 14.6 Special precautions for user: None.

**IATA**

14.1 UN number or ID number: UN 1791  
 14.2 UN Proper Shipping Name: Hypochlorite solution  
 14.3 Transport Hazard Class(es)  
     Class: 8  
     Label(s): 8  
 14.4 Packing Group: III  
     Passenger and cargo aircraft : 852  
     Limited quantity 1.00L  
     Excepted quantity None.  
 14.5 Environmental Hazards  
     Environmentally Hazardous: No  
     Marine Pollutant: Yes  
 14.6 Special precautions for user: None.  
     Passenger and cargo aircraft: Allowed. 852  
     Cargo aircraft only : Allowed. 856

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

Not applicable for product as supplied.

**SECTION 15: Regulatory information**

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

**EU Regulations**

**EU. REACH Annex XIV, Substances Subject to Authorization:** None present or none present in regulated quantities.

**EU. REACH Candidate List of Substances of Very High Concern for Authorization (SVHC):** None present or none present in regulated quantities.

**EU. Regulation 2019/1021/EU on persistent organic pollutants (POPs) (recast), as amended:** None present or none present in regulated quantities.

**Regulation 1005/2009/EC on substances that deplete the ozone layer, Annex I, Controlled Substances:** None present or none present in regulated quantities.

**Regulation 1005/2009/EC on substances that deplete the ozone layer, Annex II, New Substances:** None present or none present in regulated quantities.

**EU. Directive 2012/18/EU (SEVESO III) on major accident hazards involving dangerous substances, Annex I:**

Classification	Lower-tier Requirements	Upper-tier
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		Requirements
E1. Hazardous to the aquatic environment	100.000 t	200.000 t

**15.2 Chemical safety assessment:** No Chemical Safety Assessment has been carried out.

## SECTION 16: Other information

### Abbreviations and acronyms:

EH40 WEL: UK. EH40 Workplace Exposure Limits (WELs), as amended  
 EH40 WEL / STEL: Short Term Exposure Limit (STEL):

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; EIGA - European Industrial Gases Association; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - substance of very high concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### Notes:

Note B	Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. In Part 3 entries with Note B have a general designation of the following type: 'nitric acid...%'. In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis.
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**Key literature references and sources for data:** No data available.

### Wording of the statements in section 2 and 3

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.
H335	May cause respiratory 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.
H412	Harmful to aquatic life with long lasting effects.
EUH206	Warning! Do not use together with other products. May release dangerous gases (chlorine).

**Training information:** No data available.

### Classification according to Regulation (EC) No 1272/2008 as amended.

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

**Disclaimer:** This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.