

## Safety data sheet

According to 1907/2006/EC (REACH), 2015/830/EU (THIS SDS IS JUST FOR INFORMATIVE PURPOSE. THE SDS SHALL BE SUPPLIED IN AN OFFICIAL LANGUAGE OF THE COUNTRY WHERE THE PRODUCT IS PLACED ON THE MARKET)

### BOOSTER BLEACH

#### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

**1.1 Product identifier:** BOOSTER BLEACH

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

Relevant uses: Whitener for cleaning clothes

Uses advised against: All uses not specified in this section or in section 7.3

**1.3 Details of the supplier of the safety data sheet:**

GOLD DROP Sp. z o.o.

Ul. Rzeczna 11d

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Phone.: +48 18 3376137 - Fax: +48 18 3376117

msds@golddrop.com.pl

www.golddrop.eu

**1.4 Emergency telephone number:** PL Emergency Telephone number: +48 12 4119999 , Toxicological Information Centre, Jagiellonian University Medical College Cracow ; Centre of Emergency

#### SECTION 2: HAZARDS IDENTIFICATION \*\*

**2.1 Classification of the substance or mixture:**

**CLP Regulation (EC) No 1272/2008:**

Classification of this product has been carried out in accordance with CLP Regulation (EC) No 1272/2008.

Aquatic Acute 1: Hazardous to the aquatic environment, acute hazard, Category 1, H400

Aquatic Chronic 2: Hazardous to the aquatic environment, long-term hazard, Category 2, H411

Eye Dam. 1: Serious eye damage, Category 1, H318

Skin Corr. 1: Skin corrosion, Category 1, H314

**2.2 Label elements:**

**CLP Regulation (EC) No 1272/2008:**

Danger



**Hazard statements:**

H400 - Very toxic to aquatic life

H411 - Toxic to aquatic life with long lasting effects

H314 - Causes severe skin burns and eye damage

**Precautionary statements:**

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

P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

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

P405: Store locked up

P501: Dispose of contents/container in accordance with regulations on hazardous waste or packaging and packaging waste respectively

**Supplementary information:**

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

**Substances that contribute to the classification**

sodium hypochlorite, solution Cl active; sodium hydroxide

**Additional labeling:**

Read label before use

Wash hands thoroughly after use

Do not breathe vapours

Wear protective gloves and eye protection

**2.3 Other hazards:**

Product fails to meet PBT/vPvB criteria

\*\* Changes with regards to the previous version

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS \*\*

### 3.1 Substance:

Non-applicable

### 3.2 Mixture:

**Chemical description:** Aqueous mixture composed of chlorines and tensoactives

**Components:**

In accordance with Annex II of Regulation (EC) No 1907/2006 (point 3), the product contains:

Identification	Chemical name/Classification	Concentration
CAS: 7681-52-9 EC: 231-668-3 Index: 017-011-00-1 REACH: 01-2119488154-34-XXXX	<b>sodium hypochlorite, solution Cl active<sup>(1)</sup></b> Regulation 1272/2008 Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Eye Dam. 1: H318; Skin Corr. 1B: H314; EUH031 - Danger	ATP ATP13  3 - <5 %
CAS: 1310-73-2 EC: 215-185-5 Index: 011-002-00-6 REACH: 01-2119457892-27-XXXX	<b>sodium hydroxide<sup>(1)</sup></b> Regulation 1272/2008 Skin Corr. 1A: H314 - Danger	ATP CLP00  <1 %
CAS: 137-16-6 EC: 205-281-5 Index: Non-applicable REACH: 01-2119527780-39-XXXX	<b>Sodium N-lauroylsarcosinate<sup>(1)</sup></b> Regulation 1272/2008 Acute Tox. 2: H330; Eye Dam. 1: H318; Skin Irrit. 2: H315 - Danger	Self-classified  <1 %

<sup>(1)</sup> Substances presenting a health or environmental hazard which meet criteria laid down in Regulation (EU) No. 2015/830

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

**Other information:**

Identification	M-factor
sodium hypochlorite, solution Cl active CAS: 7681-52-9 EC: 231-668-3	Acute 10 Chronic 1
Identification	Specific concentration limit
sodium hydroxide CAS: 1310-73-2 EC: 215-185-5	% (w/w) >=5: Skin Corr. 1A - H314 2<= % (w/w) <5: Skin Corr. 1B - H314 0,5<= % (w/w) <2: Skin Irrit. 2 - H315 % (w/w) >=2: Eye Dam. 1 - H318 0,5<= % (w/w) <2: Eye Irrit. 2 - H319
Sodium N-lauroylsarcosinate CAS: 137-16-6 EC: 205-281-5	% (w/w) >=30: Skin Irrit. 2 - H315 % (w/w) >=30: Eye Dam. 1 - H318 1<= % (w/w) <30: Eye Irrit. 2 - H319

\*\* Changes with regards to the previous version

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures:

Request medical assistance immediately, showing the SDS of this product.

**By inhalation:**

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.

**By skin contact:**

This product is not classified as hazardous when in contact with the skin. However, in case of skin contact it is recommended to remove contaminated clothes and shoes, rinse the skin or if necessary shower the affected person thoroughly with cold water and neutral soap. In case of serious reaction consult a doctor.

**By eye contact:**

Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

**By ingestion/aspiration:**

Request immediate medical assistance, showing the SDS of this product. Do not induce vomiting, because its expulsion from the stomach can be hazardous to the mucus of the main digestive tract, and also risk damage to the respiratory system through inhalation. Rinse out the mouth and throat, as they may have been affected during ingestion. In the case of loss of consciousness do not administer anything orally unless supervised by a doctor. Keep the person affected at rest.

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

Acute and delayed effects are indicated in sections 2 and 11.

**4.3 Indication of any immediate medical attention and special treatment needed:**

If swallowed, immediately contact your doctor poison center.

In case of accident by-inhalation-Provide the victim to fresh air, keep at rest, if necessary, call a doctor

## SECTION 5: FIREFIGHTING MEASURES

**5.1 Extinguishing media:**

Product is non-flammable under normal conditions of storage, handling and use. In the case of combustion as a result of improper handling, storage or use preferably use polyvalent powder extinguishers (ABC powder), in accordance with the Regulation on fire protection systems. IT IS NOT RECOMMENDED to use full jet water as an extinguishing agent.

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

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

**5.3 Advice for firefighters:**

Depending on the magnitude of the fire it may be necessary to use full protective clothing and self-contained breathing apparatus (SCBA). Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

**Additional provisions:**

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers and tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**6.1 Personal precautions, protective equipment and emergency procedures:**

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilled product (See section 8). Evacuate the area and keep out those who do not have protection.

**6.2 Environmental precautions:**

Avoid at all cost any type of spillage into an aqueous medium. Contain the product absorbed appropriately in hermetically sealed containers. Notify the relevant authority in case of exposure to the general public or the environment.

**Other information:**

Neutralize water polluted with sodium hypochlorite with a solution of sodium thiosulphate.

**6.3 Methods and material for containment and cleaning up:**

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

**6.4 Reference to other sections:**

See sections 8 and 13.

## SECTION 7: HANDLING AND STORAGE

**7.1 Precautions for safe handling:**

A.- Precautions for safe manipulation

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

Product is non-flammable under normal conditions of storage, handling and use. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that can affect flammable products. Consult section 10 for information on conditions and materials that should be avoided.

C.- Technical recommendations to prevent ergonomic and toxicological risks

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

Due to the danger of this product for the environment it is recommended to use it within an area containing contamination control barriers in case of spillage, as well as having absorbent material in close proximity.

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

A.- Technical measures for storage

Minimum Temp.: 5 °C  
 Maximum Temp.: 30 °C  
 Maximum time: 12 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

### Other information:

Dry, well-ventilated and sun-protected rooms, air temperature 5-20 oC.

Store in original, closed manufacturer's containers. Keep away from acid household chemicals and food

Ensure (general) exhaust ventilation in locations where emissions occur.

## 7.3 Specific end use(s):

Booster bleach – a perfect product for bleaching. Recommended for washing whites (bed linen), cleaning sanitary facilities, bathrooms at home, public buildings and workplaces.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace

Identification		Occupational exposure limits		
sodium hypochlorite, solution Cl active		IOELV (8h)		
CAS: 7681-52-9	EC: 231-668-3	IOELV (STEL)	0.5 ppm	1.5 mg/m <sup>3</sup>

#### DNEL (Workers):

Identification			Short exposure		Long exposure	
			Systemic	Local	Systemic	Local
sodium hypochlorite, solution Cl active CAS: 7681-52-9 EC: 231-668-3	Oral		Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal		Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Inhalation		3,1 mg/m <sup>3</sup>	3,1 mg/m <sup>3</sup>	1,55 mg/m <sup>3</sup>	1,55 mg/m <sup>3</sup>
sodium hydroxide CAS: 1310-73-2 EC: 215-185-5	Oral		Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal		Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Inhalation		Non-applicable	Non-applicable	Non-applicable	1 mg/m <sup>3</sup>

#### DNEL (General population):

Identification			Short exposure		Long exposure	
			Systemic	Local	Systemic	Local
sodium hypochlorite, solution Cl active CAS: 7681-52-9 EC: 231-668-3	Oral		Non-applicable	Non-applicable	0,26 mg/kg	Non-applicable
	Dermal		Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Inhalation		3,1 mg/m <sup>3</sup>	3,1 mg/m <sup>3</sup>	1,55 mg/m <sup>3</sup>	1,55 mg/m <sup>3</sup>
sodium hydroxide CAS: 1310-73-2 EC: 215-185-5	Oral		Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal		Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Inhalation		Non-applicable	Non-applicable	Non-applicable	1 mg/m <sup>3</sup>
Sodium N-lauroylsarcosinate CAS: 137-16-6 EC: 205-281-5	Oral		Non-applicable	Non-applicable	0,15 mg/kg	Non-applicable
	Dermal		Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Inhalation		Non-applicable	Non-applicable	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>

#### PNEC:

Identification				
sodium hypochlorite, solution Cl active CAS: 7681-52-9 EC: 231-668-3	STP	0,03 mg/L	Fresh water	0,00021 mg/L
	Soil	Non-applicable	Marine water	0,000042 mg/L
	Intermittent	0,00026 mg/L	Sediment (Fresh water)	Non-applicable
	Oral	11,1 g/kg	Sediment (Marine water)	Non-applicable
Sodium N-lauroylsarcosinate CAS: 137-16-6 EC: 205-281-5	STP	10 mg/L	Fresh water	0,0297 mg/L
	Soil	0,012 mg/kg	Marine water	0,003 mg/L
	Intermittent	0,297 mg/L	Sediment (Fresh water)	0,034 mg/kg
	Oral	Non-applicable	Sediment (Marine water)	0,0034 mg/kg

### 8.2 Exposure controls:

#### A.- General security and hygiene measures in the work place

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Directive 89/686/EC. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1.

All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

#### B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

#### C.- Specific protection for the hands

Protective gloves are recommended

#### D.- Ocular and facial protection

in case of risk of contact with eyes - use protective glasses

#### E.- Body protection

If you use the product correctly - it is not required

#### F.- Additional emergency measures

It is not necessary to take additional emergency measures.

It is recommended creating the position of the eye wash station on the production

On the production:

Disposable gloves that ensure chemical protection:

For hypochlorite - rubber gloves polyacrylonitrile.

For sodium hydroxide - Wear protective gloves - nitrile rubber, grybość 0,11mm., Breakthrough time <480min

While working on the manufacturing floor, the use full protective clothing made of sodium hydroxide and sodium hypochloride lye-resistant materials is required

#### **Environmental exposure controls:**

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental spillage of both the product and its container. For additional information see subsection 7.1.D

#### **Volatile organic compounds:**

With regard to Directive 2010/75/EU, this product has the following characteristics:

V.O.C. (Supply):	0 % weight
V.O.C. density at 20 °C:	0 kg/m <sup>3</sup> (0 g/L)
Average carbon number:	Non-applicable
Average molecular weight:	Non-applicable

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

For complete information see the product datasheet.

#### **Appearance:**

Physical state at 20 °C:	Liquid
Appearance:	Transparent
Colour:	Yellowish
Odour:	Chlorine
Odour threshold:	Non-applicable *

#### **Volatility:**

Boiling point at atmospheric pressure:	100 °C
Vapour pressure at 20 °C:	2350 Pa
Vapour pressure at 50 °C:	12381,01 Pa (12,38 kPa)
Evaporation rate at 20 °C:	Non-applicable *

#### **Product description:**

Density at 20 °C:	Non-applicable *
Relative density at 20 °C:	1,049 - 1,057 g/cm <sup>3</sup>
Dynamic viscosity at 20 °C:	Non-applicable *
Kinematic viscosity at 20 °C:	Non-applicable *
Kinematic viscosity at 40 °C:	Non-applicable *
Concentration:	Non-applicable *

pH:	12 - 14
Vapour density at 20 °C:	Non-applicable *
Partition coefficient n-octanol/water 20 °C:	Non-applicable *
Solubility in water at 20 °C:	Non-applicable *
Solubility properties:	Highly water-soluble
Decomposition temperature:	Non-applicable *
Melting point/freezing point:	Non-applicable *
Explosive properties:	Non-applicable *
Oxidising properties:	Non-applicable *
<b>Flammability:</b>	
Flash Point:	Non Flammable (>60 °C)
Flammability (solid, gas):	Non-applicable *
Autoignition temperature:	Non-applicable *
Lower flammability limit:	Non-applicable *
Upper flammability limit:	Non-applicable *
<b>Explosive:</b>	
Lower explosive limit:	Non-applicable *
Upper explosive limit:	Non-applicable *
<b>9.2 Other information:</b>	
Surface tension at 20 °C:	Non-applicable *
Refraction index:	Non-applicable *

\*Not relevant due to the nature of the product, not providing information property of its hazards.

## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

### 10.2 Chemical stability:

Chemically stable under the conditions of storage, handling and use.

### 10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

### 10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

high temperature - above 25 ° C and sunshine

### 10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Precaution	Not applicable	NH <sub>3</sub> , Produces toxic gases

Metals, Copper, Aluminum, Nickel, Iron, Magnesium, amines, ammonium compounds, hydrocarbons

### 10.6 Hazardous decomposition products:

Sodium hypochlorite decomposes at high temperatures. During fire - releases caustic gases  
At 25 °C oxygen is released. at 35 ° C chlorine and at 100 ° C chlorine dioxide). In reaction with acids, free chlorine and sodium chloride are released

## SECTION 11: TOXICOLOGICAL INFORMATION \*\*

### 11.1 Information on toxicological effects:

The experimental information related to the toxicological properties of the product itself is not available

#### Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Ingestion (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Corrosive product, if it is swallowed causes burns destroying the tissues. For more information about secondary effects from skin contact see section 2.

B- Inhalation (acute effect):

- Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Prolonged inhalation of the product is corrosive to mucous membranes and the upper respiratory tract

C- Contact with the skin and the eyes (acute effect):

- Contact with the skin: Above all, skin contact may occur as fabrics of all thicknesses can be destroyed, resulting in burns. For more information on the secondary effects see section 2.
- Contact with the eyes: Produces serious eye damage after contact.

D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.  
IARC: Non-applicable
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

E- Sensitizing effects:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous with sensitising effects. For more information see section 3.
- Cutaneous: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

F- Specific target organ toxicity (STOT) - single exposure:

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

G- Specific target organ toxicity (STOT)-repeated exposure:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

H- Aspiration hazard:

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

**Other information:**

Direct and indirect side effects of use – prolonged vapour inspiration may cause respiratory tract irritation and cough

**Specific toxicology information on the substances:**

Identification		Acute toxicity		Genus
sodium hypochlorite, solution Cl active CAS: 7681-52-9 EC: 231-668-3	LD50 oral	8910 mg/kg		Rat
	LD50 dermal	Non-applicable		
	LC50 inhalation	Non-applicable		
Sodium N-lauroylsarcosinate CAS: 137-16-6 EC: 205-281-5	LD50 oral	5500 mg/kg		Rat
	LD50 dermal	Non-applicable		
	LC50 inhalation	0,5 mg/L (4 h) (ATEI)		

\*\* Changes with regards to the previous version

**SECTION 12: ECOLOGICAL INFORMATION \*\***

The experimental information related to the eco-toxicological properties of the product itself is not available

**12.1 Toxicity:**

Identification		Acute toxicity	Species	Genus
sodium hypochlorite, solution Cl active CAS: 7681-52-9 EC: 231-668-3	LC50	0.1 - 1 mg/L (96 h)		Fish
	EC50	0.1 - 1 mg/L		Crustacean
	EC50	0.1 - 1 mg/L		Algae
sodium hydroxide CAS: 1310-73-2 EC: 215-185-5	LC50	189 mg/L (48 h)	Leuciscus idus	Fish
	EC50	33 mg/L	Crangon crangon	Crustacean
	EC50	Non-applicable		

## 12.2 Persistence and degradability:

At a temperature above 25 ° C. Sodium hypochlorite decomposes to give oxygen, at 35 ° C chlorine is separated

## 12.3 Bioaccumulative potential:

## 12.4 Mobility in soil:

## 12.5 Results of PBT and vPvB assessment:

Product fails to meet PBT/vPvB criteria

## 12.6 Other adverse effects:

Due to the high pH - poses a threat to biological sewage plants.  
Sodium hypochlorite due to the chlorine content of n destroys organic life

\*\* Changes with regards to the previous version

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods:

Code	Description	Waste class (Regulation (EU) No 1357/2014)
20 01 29*	detergents containing hazardous substances	Dangerous

#### Type of waste (Regulation (EU) No 1357/2014):

HP14 Ecotoxic, HP4 Irritant — skin irritation and eye damage

#### Waste management (disposal and evaluation):

Consult the authorized waste service manager on the assessment and disposal operations in accordance with Annex 1 and Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code and in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. We do not recommended disposal down the drain. See paragraph 6.2.

#### Regulations related to waste management:

In accordance with Annex II of Regulation (EC) No 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

## SECTION 14: TRANSPORT INFORMATION \*\*

Transport of separate unit packaging is not governed by ADR regulations:

Packaging: containers of up to 1 l are placed on trays stretched with a heat-shrinkable film. Maximum content and gross weight per pack: 12 litres and 20 kg. In case of other packaging transport is governed by ADR regulations.

#### Transport of dangerous goods by land:

With regard to ADR 2019 and RID 2019:



<b>14.1 UN number:</b>	UN1760
<b>14.2 UN proper shipping name:</b>	CORROSIVE LIQUID, N.O.S. (sodium hypochlorite, solution Cl
<b>14.3 Transport hazard class(es):</b>	8
Labels:	8
<b>14.4 Packing group:</b>	III
<b>14.5 Environmental hazards:</b>	Yes
<b>14.6 Special precautions for user</b>	
Special regulations:	274
Tunnel restriction code:	E
Physico-Chemical properties:	see section 9
Limited quantities:	5 L
<b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:</b>	Non-applicable

#### Transport of dangerous goods by sea:

With regard to IMDG 39-18:



<b>14.1 UN number:</b>	UN1760
<b>14.2 UN proper shipping name:</b>	CORROSIVE LIQUID, N.O.S. (sodium hypochlorite, solution Cl
<b>14.3 Transport hazard class(es):</b>	8
Labels:	8
<b>14.4 Packing group:</b>	III
<b>14.5 Environmental hazards:</b>	Yes
<b>14.6 Special precautions for user</b>	
Special regulations:	223, 274
EmS Codes:	F-A, S-B



Physico-Chemical properties: see section 9  
 Limited quantities: 5 L  
 Segregation group: SGG18

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:** Non-applicable

**Transport of dangerous goods by air:**

With regard to IATA/ICAO 2020:



**14.1 UN number:** UN1760  
**14.2 UN proper shipping name:** CORROSIVE LIQUID, N.O.S. (sodium hypochlorite, solution Cl  
**14.3 Transport hazard class(es):** 8  
 Labels: 8  
**14.4 Packing group:** III  
**14.5 Environmental hazards:** Yes  
**14.6 Special precautions for user**  
 Physico-Chemical properties: see section 9  
**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:** Non-applicable

\*\* Changes with regards to the previous version

**SECTION 15: REGULATORY INFORMATION**

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

Candidate substances for authorisation under the Regulation (EC) No 1907/2006 (REACH): Non-applicable  
 Substances included in Annex XIV of REACH ("Authorisation List") and sunset date: Non-applicable  
 Regulation (EC) No 1005/2009, about substances that deplete the ozone layer: Non-applicable  
 Article 95, REGULATION (EU) No 528/2012: sodium hypochlorite, solution Cl active (Product-type 1, 2, 3, 4, 5, 11, 12)  
 REGULATION (EU) No 649/2012, in relation to the import and export of hazardous chemical products: Non-applicable

**Regulation (EC) No 648/2004 on detergents:**

In accordance with this regulation the product complies with the following:

The tensoactives contained in this mixture comply with the biodegradability criteria stipulated in Regulation (EC) n°648/2004 on detergents. The information to prove this is available to the relevant authorities of the Member States and will be shown to them by direct request or the request of a detergent manufacturer.

**Labelling for contents:**

Component	Concentration interval
Chlorine-based bleaching agents	% (w/w) < 5
Anionic surfactants	% (w/w) < 5

**Seveso III:**

Section	Description	Lower-tier requirements	Upper-tier requirements
E1	ENVIRONMENTAL HAZARDS	100	200

**Limitations to commercialisation and the use of certain dangerous substances and mixtures (Annex XVII**

**REACH, etc ....):**

Non-applicable

**Specific provisions in terms of protecting people or the environment:**

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage and disposal of this product.

**Other legislation:**

The product could be affected by sectorial legislation

- Regulation (EC) No 1223/2009 of the European Parliament and of the Council of 30 November 2009 on cosmetic products
- Regulation (EC) No 648/2004 of the European Parliament and of the Council of 31 March 2004 on detergents
- Commission Regulation (EC) No 907/2006 of 20 June 2006 amending Regulation (EC) No 648/2004 of the European Parliament and of the Council on detergents, in order to adapt Annexes III and VII
- Commission Regulation (EC) No 551/2009 of 25 June 2009 amending Regulation (EC) No 648/2004 of the European Parliament and of the Council on detergents, in order to adapt Annexes V and VI thereto (surfactant derogation)

**15.2 Chemical safety assessment:**

The supplier has not carried out evaluation of chemical safety.

**SECTION 16: OTHER INFORMATION \*\***

**Legislation related to safety data sheets:**

This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) No 1907/2006 (Regulation (EC) No 2015/830)

**Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:**

COMPOSITION/INFORMATION ON INGREDIENTS (SECTION 3, SECTION 11, SECTION 12):

- New declared substances  
sodium hypochlorite, solution Cl active (7681-52-9)
- Removed substances  
sodium hypochlorite, solution Cl active (7681-52-9)

Substances that contribute to the classification (SECTION 2):

- New declared substances  
sodium hypochlorite, solution Cl active (7681-52-9)
- Removed substances  
sodium hypochlorite, solution Cl active (7681-52-9)

CLP Regulation (EC) No 1272/2008 (SECTION 2, SECTION 16):

- Hazard statements

TRANSPORT INFORMATION (SECTION 14):

- Packing group

**Texts of the legislative phrases mentioned in section 2:**

H314: Causes severe skin burns and eye damage

H318: Causes serious eye damage

H400: Very toxic to aquatic life

H411: Toxic to aquatic life with long lasting effects

**Texts of the legislative phrases mentioned in section 3:**

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

**CLP Regulation (EC) No 1272/2008:**

Acute Tox. 2: H330 - Fatal if inhaled

Aquatic Acute 1: H400 - Very toxic to aquatic life

Aquatic Chronic 1: H410 - Very toxic to aquatic life with long lasting effects

Eye Dam. 1: H318 - Causes serious eye damage

Skin Corr. 1A: H314 - Causes severe skin burns and eye damage

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

Skin Irrit. 2: H315 - Causes skin irritation

**Classification procedure:**

Eye Dam. 1: Calculation method

Aquatic Acute 1: Calculation method

Aquatic Chronic 2: Calculation method

**Advice related to training:**

Minimal training is recommended in order to prevent industrial risks for staff using this product and to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

**Principal bibliographical sources:**

<http://echa.europa.eu>

<http://eur-lex.europa.eu>

**Abbreviations and acronyms:**

ADR: European agreement concerning the international carriage of dangerous goods by road

IMDG: International maritime dangerous goods code

IATA: International Air Transport Association

ICAO: International Civil Aviation Organisation

COD: Chemical Oxygen Demand

BOD5: 5-day biochemical oxygen demand

BCF: Bioconcentration factor

LD50: Lethal Dose 50

LC50: Lethal Concentration 50

EC50: Effective concentration 50

Log-POW: Octanol-water partition coefficient

Koc: Partition coefficient of organic carbon

**Other information:**

CLASSIFICATION- calculation method based on information on ingredients, taking into account the concentration limits

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*\*\* Changes with regards to the previous version*

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation at European and state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.