

# SAFETY DATA SHEET

according to Regulation No. 1907/2006 of the European Parliament and of the Council, as subsequently amended

## CLEAMEN 233

Date of issue:

11. 10. 2022

Version: 1.0

This safety data sheet is not required under Art. 31 of the Regulation (EC) no. 1907/2006 (REACH) and is made voluntary basis for information to customers.

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

#### 1.1. Product identifier

**Product Name**

**CLEAMEN 233**

**Product code**

None

**Chemical name**

Sodium chloride

**Chemical formula**

NaCl

**CAS Number**

7647-14-5

**EC Number**

231-598-3

**Index Number**

Not given

**Registration Number**

Not given

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

**Identified uses**

A traditional and popular means of adjusting water hardness. It can easily be used in water softeners in catering establishments, laundries and wherever there is very hard water.

Consumer and professional use.

**Uses advised against**

Not known. It is recommended to use it only for the intended use. Other uses may expose users to unpredictable risks.

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

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### **CORMEN s.r.o.**

Věchnov 73

593 01

Czech Republic

telephone: +420 566 550 961

Fax: +420 566 551 822

e-mail address for a competent person responsible for the SDS: [info@cormen.cz](mailto:info@cormen.cz)

### **1.4. Emergency telephone number**

112 (General emergency phone).

## **SECTION 2: Hazards identification**

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

The substance is **not classified as hazardous** according to regulation 1272/2008/EC.

#### **Classification according to 1272/2008/EC**

**Not classified**

#### **The most important adverse physical, human health and environmental effects**

No known effects of this substance that could lead to the classification as hazardous.

### **2.2. Label elements**

#### **Hazard pictograms**

Are not.

#### **Signal word**

Is not.

#### **Identification number**

Are not.

#### **Hazard statements**

Are not.

#### **Precautionary statements**

Are not.

#### **Supplemental hazard information**

Mandatory additional information is not required according to CLP regulation.

### **2.3. Other hazards**

The substance does not meet the criteria for persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) in accordance with Annex XIII of REACH regulation. The substance is not mentioned on the Candidate list for possible inclusion in Annex XIV of REACH at the date of the revision of the safety data sheet (established in accordance with Article 59(1) of REACH regulation. The substance was not identified as endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

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

### **3.1. Substances**

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### 3.1.1. Identity of the main constituent

Identification of substance	Content wt. %	Classification according to 1272/2008/EC
<b>Sodium chloride</b>		
CAS Number	7647-14-5	
EC Number	231-598-3	
Index Number	not given	min. 97.5
Registration Number	not given	not classified

## SECTION 4: First aid measures

In all cases keep the victim at physical and mental rest and warm. In case of doubt or if symptoms persist, seek medical attention. Never give anything by mouth if victim is rapidly losing consciousness, unconscious or convulsing. Protect yourself during rescue work.

### 4.1. Description of first aid measures

#### Inhalation

Interrupt the exposure, move the person to the fresh air. In case of persistent nausea, seek medical advice.

#### Skin contact

Remove contaminated clothing, shoes, and wash affected skin thoroughly with water (preferably lukewarm) and soap. Do not use solvents or thinners. If the problem persists, seek medical advice.

#### Eye contact

Rinse with a gentle stream of water for at least 15 minutes. Keep your eyelids wide open with your thumb and forefinger. If the affected person is wearing contact lenses, remove them before rinsing eyes if it is easy. If pain or redness persists, seek medical advice.

#### Ingestion

Rinse your mouth and then drink plenty of water. Do not induce vomiting. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. Seek medical advice.

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

Are not known.

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

Treat symptomatically and supportively.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

The product is non-flammable. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

#### Unsuitable extinguishing media

Solid streams of water may be ineffective.

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

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In case of fire extinguishing prevent leakage of water and rest of product into drains. Collect them separately and dispose of safely in accordance with current legislation and applicable local regulations.

In case of fires, hazardous combustion gases are formed: chlorine oxides, hydrogen chloride and products of incomplete combustion.

### 5.3. Advice for firefighters

Stop further leakage of product if possible. Spilled product, which does not burn, cover with sand or foam. Move containers and barrels away from the fire to a safe place, if possible. Cool all affected containers down with flooding quantities of water. If the fire can't be extinguished - evacuate the premises.

In case of fire, wear suitable respiratory protective equipment and fire-fighting suit.

## SECTION 6: Accidental release measures

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

Avoid contact with skin and eyes, use suitable protective equipment and clothing, see Section 8. Ensure adequate ventilation. Avoid formation of dust. At the point of leakage, prevent the movement of unauthorized persons.

### 6.2. Environmental precautions

Prevent further leakage or spillage if safe to do so. If this cannot be avoided, inform the competent authorities (police and firefighters) immediately.

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

Take up mechanically, place in appropriate containers for disposal and dispose of according to Section 13, unless it can be reused. Flush residues with water and collect it for waste disposal.

If container is damaged, remove the content to the new undamaged container and label it properly again.

### 6.4. Reference to other sections

Refer also to the provisions of sections 7, 8 and 13 of this safety data sheet.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Avoid contact with skin and eyes. Personal protection see. Section 8. Ensure good ventilation to prevent formation of vapour and aerosol.

Smoking, eating and drinking should be prohibited at the place of use. Keep safety regulations for handling chemicals. Take off contaminated clothing and protective equipment before entering the dining area. Do not use dirty clothing. After work wash yourself carefully with warm water and soap, take a shower. Use protective cream.

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

Store in original, tightly closed containers, in a dry, cool and well-ventilated place at room temperature.

Do not store together with incompatible materials (see subsection 10.5), food, drink and feed.

### 7.3. Specific end use(s)

See subsection 1.2.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1. Exposure limit value

Not determined.

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### 8.1.2. Biological limit values

Not determined in EU.

### 8.1.3. DNEL and PNEC values

Not determined in EU.

## 8.2. Exposure controls

### 8.2.1. Appropriate engineering controls

Use only in well-ventilated areas.

Observe usual safety precautions for working with chemicals. The degree of effectiveness of personal protective equipment depends on temperature and ventilation levels.

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

Do not eat, drink or smoke. After work, wash thoroughly with warm water and soap and take a shower. Use protective cream. Do not soiled protective equipment to wash, do not use solvents.

#### Eye/face protection

Wear safety goggles or face shield when manufacturing and handling the product. In normal use it is not necessary. Use glasses in case of eye contact.

#### Skin protection - hand protection

Wear protective gloves when manufacturing and handling the product. In normal use it is not necessary to use protective gloves. Wear protective gloves in case of prolonged skin contact.

The selection of the glove material on consideration of the breakthrough time, permeability, degradation and next relevant factors; other chemicals that may come into contact, physical requirements (cut and puncture protection, dexterity, thermal protection), possible body reactions to the glove material and the glove supplier's instructions and specifications. In case of repeated use of gloves, clean and keep them in a well-ventilated place before taking off.

#### Skin protection - other

In normal use is not necessary, in case of prolonged contact with the product, wear protective work clothes and shoes.

#### Respiratory protection

Not necessary in case of compliance concentration limits (if they were exceeded, use a respirator against organic vapour). In the event of an accident or a fire use self-contained breathing apparatus.

#### Thermal hazards

In normal use is not necessary protective equipment to be worn for materials that represent a thermal hazard.

### 8.2.3. Environmental exposure controls

Uncontrolled release of the substance into environment is to be avoided. Keep the emission limits according to national legislation.

## SECTION 9: Physical and chemical properties

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

Sodium chloride

CAS: 7647-14-5

**Physical state**

Solid.

**Colour**

White.

**Odour**

Odourless.

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<b>Melting point/freezing point</b>	801 °C.
<b>Boiling point or initial boiling point and boiling range</b>	1 641 °C.
<b>Flammability</b>	The substance is not classified as flammable, pyrophoric or emit flammable gases under standard conditions.
<b>Lower explosion limit</b>	Does not apply to solid.
<b>Upper explosion limit</b>	Does not apply to solid.
<b>Flash point</b>	Does not apply to solid.
<b>Auto-ignition temperature</b>	Does not apply to solid.
<b>Decomposition temperature</b>	Not determined, it is not a self-reactive substance or an organic peroxide or a substance that may decompose.
<b>pH</b>	4.5 - 7 (100 g/l, 20 °C).
<b>Kinematic viscosity</b>	Does not apply to solid.
<b>Solubility</b>	358 g/l (20 °C).
<b>Partition coefficient n-octanol/water (log value)</b>	Not determined, it is an inorganic substance.
<b>Vapour pressure</b>	1.3 hPa (865 °C).
<b>Density and/or relative density</b>	2.16 g/cm <sup>3</sup> (20 °C).
<b>Relative vapour density</b>	Does not apply to solid.
<b>Particle characteristics</b>	Not determined.

### 9.2. Other information

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

Sodium chloride CAS: 7647-14-5

##### Explosives

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

##### Flammable gases

It is not gas.

##### Aerosols

It is not aerosol.

##### Oxidising gases

It is not gas.

##### Gases under pressure

It is not gas.

##### Flammable liquids

It is not liquid.

##### Flammable solids

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Data for the substance are not available.

The substance is not classified as flammable solid.

### ***Self-reactive substances and mixtures***

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive or self-reactive properties.

### ***Pyrophoric liquids***

It is not liquid.

### ***Pyrophoric solids***

Data for the substance are not available.

The substance is stable in air, there is no spontaneous ignition.

### ***Self-heating substances and mixtures***

Data for the substance are not available.

The substance is not classified as self-heating.

### ***Substances and mixtures, which emit flammable gases in contact with water***

Data for the substance are not available.

The substance is soluble in water and forms a stable mixture with it.

### ***Oxidising liquids***

It is not liquid.

### ***Oxidizing solids***

Data for the substance are not available.

It is an inorganic substance that does not contain oxygen or halogen.

### ***Organic peroxides***

Data for the substance are not available.

The substance does not contain a bivalent group -O-O- with at least one organic radical.

### ***Corrosive to metals***

Data for the substance are not available.

The substance is not classified as corrosive to metal.

### ***Desensitised explosives***

Data for the substance are not available.

The substance does not contain chemical groups associated with explosive properties.

### ***9.2.2. Other safety characteristics***

#### ***Mechanical sensitivity***

Not determined, it is not an explosive substance.

#### ***Self-accelerating polymerisation temperature***

Not determined, it is not a polymerising substance.

#### ***Formation of explosible dust/air mixtures***

Not determined, it is not a dust.

#### ***Acid/alkaline reserve***

Not determined, pH is in the range 4 - 10.

#### ***Evaporation rate***

Not determined.

#### ***Miscibility***

Not determined.

#### ***Conductivity***

Not determined.



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<b>Corrosiveness</b>	Not determined.
<b>Gas group</b>	Not determined, it is not gas.
<b>Redox potential</b>	Not determined.
<b>Radical formation potential</b>	Not determined.
<b>Photocatalytic properties</b>	Not determined.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The substance is stable under normal conditions of use. There aren't any hazardous reaction.

### 10.2. Chemical stability

Stable under recommended storage conditions.

### 10.3. Possibility of hazardous reactions

Hazardous reactions aren't known under normal conditions of use.

### 10.4. Conditions to avoid

Protect from temperatures below 0 °C.

### 10.5. Incompatible materials

Strong oxidizing agents.

### 10.6. Hazardous decomposition products

They do not form under normal use. Burning releases chlorine oxides, hydrogen chloride and products of incomplete combustion.

## SECTION 11: Toxicological information

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

<b>Sodium chloride</b>	CAS: 7647-14-5
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#### Acute toxicity

The mixture is not classified as toxic for all routes of exposure.

**Oral** Based on available data, the classification criteria are not met.  
LD<sub>50</sub> = 3 000 mg/kg (rat).

**Dermal** Based on available data, the classification criteria are not met.  
LD<sub>50</sub> > 10 000 mg/kg (rabbit).

**Inhalation** Data for the substance are not available.

#### Skin corrosion/irritation

Data for the substance are not available.

#### Serious eye damage/irritation

Data for the substance are not available.

#### Respiratory or skin sensitisation

Data for the substance are not available.

#### Germ cell mutagenicity



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Data for the substance are not available.

### **Carcinogenicity**

Data for the substance are not available.

### **Reproductive toxicity**

Data for the substance are not available.

### **STOT – single exposure**

Data for the substance are not available.

### **STOT – repeated exposure**

Data for the substance are not available.

### **Aspiration hazard**

The substance is not a hydrocarbon or a chlorinated hydrocarbon with a kinematic viscosity of 20.5 mm<sup>2</sup>/s or less at 40 °C.

### **Other information**

See section 2 and 4.

## **11.2. Information on other hazards**

The substance does not meet the criteria for persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) in accordance with Annex XIII of REACH regulation. The substance is not mentioned on the Candidate list for possible inclusion in Annex XIV of REACH at the date of the revision of the safety data sheet (established in accordance with Article 59(1) of REACH regulation).

The substance was not identified as endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. There is no other relevant information on adverse health effects that is not required according to the classification criteria set out in CLP Regulation.

## **SECTION 12: Ecological information**

### **12.1. Toxicity**

<b>Sodium chloride</b>	CAS: 7647-14-5
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The substance is not classified as hazardous for the aquatic environment.

#### **Fish**

LC<sub>50</sub>, 96 hrs., Pimephales promelas: 7 650 mg/l.

#### **Crustaceans**

EC<sub>50</sub>, 48 hrs., Daphnia Magna: 1 000 mg/l.

#### **Algae**

Data for the substance are not available.

### **12.2. Persistence and degradability**

<b>Sodium chloride</b>	CAS: 7647-14-5
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Not determined, it is an inorganic substance.

### **12.3. Bioaccumulative potential**

<b>Sodium chloride</b>	CAS: 7647-14-5
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Not determined, it is an inorganic substance.

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### 12.4. Mobility in soil

Sodium chloride

CAS: 7647-14-5

Not determined, it is an inorganic substance.

### 12.5. Results of PBT and vPvB assessment

The substance does not meet the criteria for persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) in accordance with Annex XIII of REACH regulation. The substance is not mentioned on the Candidate list for possible inclusion in Annex XIV of REACH at the date of the revision of the safety data sheet (established in accordance with Article 59(1) of REACH regulation).

### 12.6. Endocrine disrupting properties

The substance is not mentioned on the Candidate list for possible inclusion in Annex XIV of REACH at the date of the revision of the safety data sheet (established in accordance with Article 59(1) of REACH regulation). The substance was not identified as endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

### 12.7. Other adverse effects

Data are not available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### **Disposal methods of the substance or mixture and the contaminated packaging**

Dispose according to the applicable European and local regulations (eg. in a hazardous waste incinerator). **Do not empty unused product into drainage systems.** Do not contaminate ponds or ditches with the product or used container. Hand over the residual amounts and solutions to a licensed disposal company. Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

#### **Possible waste code**

16 03 04 inorganic wastes other than those mentioned in 16 03 03 (substance), 15 01 10\* - packaging containing residues of or contaminated by hazardous substances (contaminated packaging), 15 01 02 - plastic packaging (clear packaging).

#### **Physical/chemical properties that may affect waste treatment options**

Not known.

#### **Special precautions recommended for waste management**

Not known.

#### **Waste legislation**

Directive 2008/98/EC on waste and repealing certain Directives, as amended.

## SECTION 14: Transport information

This product is not classified as a dangerous for transportation (ADR/RID, IMDG, ICAO/IATA).

### 14.1. UN number or ID number

Not given.

### 14.2. UN proper shipping name

Not given.

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### 14.3. Transport hazard class(es)

Not given.

### 14.4. Packing group

Not given.

### 14.5. Environmental hazards

It is not dangerous for the environment during transport.

### 14.6. Special precautions for user

Not given.

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

Not available.

## SECTION 15: Regulatory information

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

Regulation No. 1907/2006/EC, concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals, as amended (REACH)

Regulation No. 1272/2008/EC, on Classification, Labelling and Packaging of substances and mixtures, as amended (CLP)

### 15.2. Chemical safety assessment

Has not been carried out for substance.

## SECTION 16: Other information

### Reason for the revision of the safety data sheet

First edition.

### Key or legend to abbreviations and acronyms

ADR	Accord Dangereuses Route
CLP	Regulation No. 1272/2008/EC, on Classification, Labelling and Packaging of substances and mixtures
DNEL	Derived No Effect Level
ICAO/IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
PBT	Persistent, bioaccumulative, toxic substance
PNEC	Predicted No Effect Concentration
REACH	Regulation No. 1907/2006/EC, concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulation concerning the International Carriage of Dangerous Goods by Rail
STOT	Specific target organ toxicity
vPvB	Very persistent and very bioaccumulative substance

### Sources of key data used to compile the Safety Data Sheet

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European legislation, manufacturer's safety data sheet.

### **List of H- and P- phrases**

Not given

### **Training advice**

According to SDS.

### **Other information**

Classification according to data from the manufacturer. Use only for the purposes designated by the manufacturer, will prevent health and environmental risks.

The information in this SDS was obtained from sources, which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

The safety data sheet is created in accordance with Regulation No. 2020/878/EC. There is no additional information in accordance with the local and national legislation of the Member State in the European Union, in the safety data sheet.

The safety data sheet was created by company LACHEPRA s.r.o.