

**Coating Buffer pH 9.6 10x**

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

**1.1. Product identifier**

Article number: 121xxx  
Product name: Coating Buffer pH 9.6 10x

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

Identified uses: Laboratory chemicals  
The product is intended for professional use.

**1.3. Details of the Supplier of the Safety Data Sheet**

Supplier: CANDOR Bioscience GmbH  
Simoniusstrasse 39  
88239 Wangen  
Germany  
Telephone: +49 7522 795270  
E-mail (competent person): [support@candor-bioscience.de](mailto:support@candor-bioscience.de)

**1.4 Emergency telephone number**

+49 7522 795270 (only available during office hours)

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture**

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

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP].

**2.2 Label elements**

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

According to EC directives or the corresponding national regulations the product does not have to be labelled.

**2.3 Other hazards**

This mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

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

**3.2 Mixtures**

Description of the mixture: Aqueous solution of inorganic compounds. Hazardous ingredients: Sodium carbonate				
CAS No./ EC No./ Registration No.	% [w/w]	Name	Classification according to Regulation (EC) No 1278/2008 (CLP).	SCL and/or M-factor
497-19-8/ 207-838-8/ 01-2119485498-19-XXXX	< 1.5	Sodium carbonate	Eye irrit. 2, H319	

Full text of H-statements: see section 16.

**SECTION 4: First aid measures**

**4.1 Description of first aid measures**

**General information:**

Remove contaminated, saturated clothing immediately. In the case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

**Following inhalation:**

Remove casualty to fresh air and keep warm and at rest.

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### **Following skin contact:**

Wash immediately with soap and water. In case of skin irritation consult a physician.

### **Following eye contact:**

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately.

### **Following ingestion:**

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

### **Self-protection of the first aider:**

First aider: Pay attention to self-protection!

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

No further relevant information available.

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

No further relevant information available.

## **SECTION 5: Firefighting measures**

### **5.1 Extinguishing media**

Suitable extinguishing media: Carbon dioxide (CO<sub>2</sub>), foam, water, extinguishing powder.

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

Hazardous combustion products: None.

### **5.3 Advice for fire-fighters**

Co-ordinate fire-fighting measures to the fire surroundings.

## **SECTION 6: Accidental release measures**

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

For non-emergency personnel:

Use personal protective equipment, see Section 8.

For emergency responders:

Use personal protective equipment, see Section 8.

### **6.2 Environmental precautions**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

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

Clear contaminated areas thoroughly.

## **SECTION 7: Handling and storage**

### **7.1 Precautions for safe handling**

**Protective measures:** Use in well-ventilated areas. Handle and open container with care. Always close containers tightly after the removal of product. Wear personal protective clothing (see Section 8).

**Measures to prevent fire:** This product is not flammable. No special fire protection measures are necessary.

**Advice on general occupational hygiene:** Avoid contact with skin, eyes and clothes. Provide eye shower and label its location conspicuously. Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff. Remove contaminated, saturated clothing immediately. Wash contaminated clothing prior to re-use.

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

No special measures are necessary.

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

### **8.1 Control parameters**

Does not contain substances above concentration limits fixing an occupational exposure limit.

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### 8.2 Exposure controls

#### Personal Protection

##### General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed. Wash hands before breaks and at the end of work. Change contaminated clothing.

**Eye/face protection:** Safety glasses

##### Skin protection:

Full contact: Glove material: Nitrile rubber

Glove thickness: 0.11 mm

Break through time: > 480 min

Splash contact: Glove material: Nitrile rubber

Glove thickness: 0.11 mm

Break through time: > 480 min

The protective gloves to be used must comply with the specifications of EC Directive 89/686/EEC and the related standard EN374.

This recommendation applies only to the product stated in this safety data sheet and for the designated use. When dissolving in or mixing with other substances and under conditions deviating from those stated in EN374 please contact the supplier of CE-approved gloves.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

- (a) Appearance: Colorless liquid (at 20°C and 101.3 kPa)
- (b) Odour: Odourless
- (c) Odour threshold: Does not apply, as substance is odourless
- (d) pH:  $9.6 \pm 0.2$
- (e) Melting point / freezing point: No data available
- (f) Initial boiling point and boiling range: No data available
- (g) Flash point: No data available
- (h) Evaporation rate: No data available
- (i) Flammability (solid, gas): Does not apply
- (j) Upper/lower flammability or explosive limits: Does not apply, mixture is not flammable
- (k) Vapour pressure: No data available
- (l) Vapour density: No data available
- (m) Relative density: 1.01 (at 20°C)
- (n) Solubility(ies): Does not apply
- (o) Partition coefficient: n-octanol/water: No data available
- (p) Auto-ignition temperature: No data available
- (q) Decomposition temperature: No data available
- (r) Viscosity: No data available
- (s) Explosive properties: Does not apply, mixture is not explosive
- (t) Oxidising properties: None

### 9.2 Other information

No additional information relevant to safe use of the mixture.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No specific test data related to reactivity available for this product or its ingredients

### 10.2 Chemical stability

The mixture is chemically stable under recommended conditions of storage, use and temperature.

### 10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

### 10.4 Conditions to avoid

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No specific conditions to avoid

**10.5 Incompatible materials**

No data available

**10.6 Hazardous decomposition products**

Does not decompose when used for intended uses.

**SECTION 11: Toxicological information**

**11.1 Information on toxicological effects**

**Acute toxicity: Mixture:**

No data available

**Acute toxicity: Ingredients:**

**Sodium carbonate**

Oral	LD50	> 4000 mg/kg (rat)
Inhalation	LC50	> 5000 mg/l (2h/rat)

**Skin corrosion/irritation: Mixture**

No data available

**Skin corrosion/irritation: Ingredients**

**Sodium carbonate:** Skin - Rabbit; Result: Mild skin irritation - 24 h

**Serious eye damage/irritation: Mixture:**

No data available

**Serious eye damage/irritation: Ingredients:**

**Sodium carbonate:** Eyes - Rabbit; Result: Eye irritation - 24 h

**Respiratory or skin sensitisation: Mixture:**

No data available

**Respiratory or skin sensitisation: Ingredients**

**Sodium carbonate:** No data available

**Germ cell mutagenicity:**

There are no data available for the ingredients.

**Carcinogenicity:**

There are no data available for the ingredients.

**Reproductive toxicity:**

There are no data available for the ingredients.

**Specific target organ toxicity (single exposure):**

There are no data available for the ingredients.

**Specific target organ toxicity (repeated exposure):**

There are no data available for the ingredients.

**Aspiration hazard:**

There are no data available for the ingredients.

**SECTION 12: Ecological information**

**12.1 Toxicity**

There are no data available for the ingredients.

**12.2 Persistence and degradability**

There are no data available for the ingredients.

**12.3 Bioaccumulative potential**

There are no data available for the ingredients.

**12.4 Mobility in soil**

There are no data available for the ingredients.

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**12.5 Results of PBT and vPvB assessment**

This mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

**12.6 Other adverse effects:**

There are no data available for the ingredients.

**SECTION 13: Disposal considerations**

**13.1 Waste treatment methods**

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations.

**Product / Packaging disposal:**

Handle uncleaned containers like the product itself.

**SECTION 14: Transport information**

**14.1. UN number**

(ADR, RID, ADN, IMDG, IATA)

Not applicable

**14.2. UN proper shipping name**

(ADR, RID, ADN, IMDG, IATA)

Not applicable

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

(ADR, RID, ADN, IMDG, IATA)

Not applicable

**14.4. Packing group**

(ADR, RID, ADN, IMDG, IATA)

Not applicable

**14.5. Environmental hazards**

None

**14.6. Special precautions for user**

Not applicable

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not applicable

**SECTION 15: Regulatory Information**

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

**Authorisations and/or restrictions on use:** None

Water Hazard Class 1, (Self-classification carried out according to VwVwS, 4. German Regulation)

**15.2 Chemical Safety Assessment**

For this mixture a chemical safety assessment has not been carried out.

**SECTION 16: Other information**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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**Abbreviations and acronyms:**

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road  
CAS No: Chemical Abstracts Service number  
CLP: Classification Labelling and Packaging Regulation  
EC: European Commission  
EC No: European Chemical number: EINECS, ELINCS or NLP  
EEC: European Economic Community  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
EU: European Union  
IATA: International Air Transport Association  
IBC Code: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
IMDG: International Maritime Dangerous Goods  
LD50: Lethal dose, 50%  
LC50: Lethal concentration, 50%  
MARPOL: Marine Pollution  
NLP: No-longer Polymers  
RID: Regulations concerning the International Carriage of Dangerous Goods by Rail  
SCL: Specific Concentration Limit  
UN: United Nations  
VwVwS: Verwaltungsvorschrift wassergefährdende Stoffe (Regulation for water hazardous substances, German regulation)

**Full text of H-Statements referred to under section 3**

Eye Irrit.	Eye irritation
H319	Causes serious eye irritation