

## Safety Data Sheet

# Concentrated buffer pH 9

According\_to\_Regulation\_CLP14

Version:1  
Version date:07/07/2021  
Language:EN

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

### 1.1. Product identifier

Trade name/designation : Concentrated buffer pH 9  
Article No (user) : P01700113

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

Relevant identified uses : Laboratory chemicals.

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

Supplier : Name: Manumasure  
Street: 8 avenue du docteur Schweitzer  
Postal code/City: 69330 Meyzieu  
Country: FRANCE  
Telephone: 04 37 45 05 68  
E-mail: qualite@manumasure.fr

### 1.4. Emergency Telephone Number

United Kingdom: 0344 892 0111

## SECTION 2: HAZARDS IDENTIFICATION


### 2.1. Classification of the substance or mixture

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

Classification	Hazard statements (H)	
Skin Irrit. 2	H315	Causes skin irritation.
Eye Irrit. 2	H319	Causes serious eye irritation

### 2.2. Label elements

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

Hazard pictograms	
Signal word	Warning
Product identifiers	-
Hazard Statements	H315 - Causes skin irritation. H319 - Causes serious eye irritation
Supplemental Hazard information (EU)	-
Precautionary Statements - General	-
Precautionary Statements - Prevention	P264 - Wash your hands after handling

Precautionary Statements - Response	P280 - Wear protective gloves/protective clothing/eye protection/face protection. P302+P352 - IF ON SKIN: Wash with plenty of soap and water. P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P332+P313 - If skin irritation occurs: Get medical advice/attention. P337+P313 - If eye irritation persists: Get medical advice/attention.
Precautionary Statements - Storage	-
Precautionary Statements - Disposal	-

Contains: Boric acid

### 2.3. Other hazards

No additional information available.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1. Substances

Substance	C (%)	Classification	Specific concentration limits	Note
water CAS N°:7732-18-5 EC N°:231-791-2 IDX N°:	90.0% <C ≤ 100.0%	-	-	-
Boric acid CAS N°:10043-35-3 EC N°:233-139-2 IDX N°:005-007-00-2	C < 5.5%	H290: May be corrosive to metals. H360: May damage fertility or the unborn child.	Repr. 1B; H360: 5,5% ≤ C < 100%	-
potassium chloride CAS N°:7447-40-7 EC N°:231-211-8 IDX N°:	1.0% ≤ C ≤ 5.0%	-	-	-
sodium hydroxide CAS N°:1310-73-2 EC N°:215-185-5 IDX N°:011-002-00-6	C < 1.0%	H290: May be corrosive to metals. H314: Causes severe skin burns and eye damage.	Skin Corr. 1A; H314: C ≥ 5 % Skin Corr. 1B; H314: 2 % ≤ C < 5 % Skin Irrit. 2; H315: 0,5 % ≤ C < 2 % Eye Irrit. 2; H319: 0,5 % ≤ C < 2 %	-
hydrogen [4-[4-(diethylamino)-2',4'-disulphonatobenzhydrylidene]cyclohexa-2,5-dien-1-ylidene]diethylammonium, sodium salt CAS N°:129-17-9 EC N°:204-934-1 IDX N°:	C < 0.1%	H312: Harmful in contact with skin. H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled. H412: Harmful to aquatic life with long lasting effects	-	-

### 3.2. Mixtures

Not available

### 3.3. Remark

Full text of H-statements: see section 16.

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

Following inhalation	:	Remove person to fresh air and keep comfortable for breathing.
Following skin contact	:	Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.
Following eye contact	:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Following ingestion	:	Call a poison center or a doctor if you feel unwell.

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

Symptoms	:	After skin contact : Irritation. After eye contact : Eye irritation.
Effects	:	After skin contact : Irritation. After eye contact : Eye irritation.

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

Notes for the doctor	:	Treat symptomatically.
----------------------	---	------------------------

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

Suitable extinguishing media	:	Water spray. Dry powder. Foam. Carbon dioxide.
------------------------------	---	---

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

- Hazardous decomposition products in case of fire: Toxic fumes may be released.

### 5.3. Advice for firefighters

- Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

### 5.4. Additional information

Not available

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

- 6.1.1. For non-emergency personnel.
- Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes.
- 6.1.2. For emergency responders.
- Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

- Avoid release to the environment.

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

- Methods for cleaning up : Take up liquid spill into absorbent material.

- Other information : Dispose of materials or solid residues at an authorized site.

#### 6.4. Reference to other sections

- For further information refer to section 13.

#### 6.5. Additional information

Not available

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

#### PROTECTIVE MEASURES

- Ensure good ventilation of the work station. Avoid contact with skin and eyes. Wear personal protective equipment.

#### Advices on general occupational hygiene

- Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

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

#### Further information on storage conditions

- Store in a well-ventilated place. Keep cool.

### 7.3. Specific end uses

- No additional information available.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Not available

### 8.2. Exposure controls

#### Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment. Provide adequate ventilation as well as local exhaust at critical locations.

#### Personal protection equipment



Eye/face protection	:	Suitable eye protection: Safety glasses. Recommended eye protection articles: Safety glasses
Skin protection	:	<b>Hand protection:</b> Protective gloves Body protection: Wear suitable protective clothing.
Respiratory protection	:	Respiratory protection necessary at: In case of insufficient ventilation, wear suitable respiratory

### 8.3. Additional information

Not available

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

Physical state:	Liquid
Colour:	Blue
Odour:	Odourless.
Odour threshold:	Not available
pH:	9 (25°C)
Melting point/freezing point:	Non Applicable
Initial boiling point and boiling range:	Not available
Flash point:	Not available
Evaporation rate:	Not available
Flammability:	Not available
Upper/lower flammability or explosive limits:	Not available
Vapour pressure:	Not available
Vapour density:	Not available
Relative density:	Not available
Solubility(ies):	Soluble In Water.
Partition coefficient: n-octanol/water (Log KOC):	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	Not available
Explosive properties:	Not available
Oxidising properties:	Not available

### 9.2. Other safety information

Not available

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available.

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### 10.7. Additional information

Not available

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Acute oral toxicity

#### Data for mixture

Not classified.

#### Substances

##### potassium chloride (CAS: 7447-40-7)

Species : Not available  
 Sex : Not available  
 Guideline : Not available

Subendpoint	Operator	Value	Unit
LD50	-	2600	mg/kg

Conclusion : Not available

### 11.2. Acute skin toxicity

#### Data for mixture

Not classified.

#### Substances

##### Boric acid (CAS: 10043-35-3)

Species : Not available  
 Sex : Not available  
 Guideline : Not available  
 Exposure duration/value : Not available  
 Exposure duration/unit : Not available

Subendpoint	Operator	Value	Unit
LD50	>	2000	mg/kg

Conclusion : Not available

### 11.3. Acute inhalation toxicity

#### Data for mixture

Not classified.

#### Substances

Not available

### 11.4. Skin corrosion

#### Data for mixture

Causes skin irritation.  
 pH: 9 (25°C).

#### Substances

Not available

### 11.5. Eye damage

#### Data for mixture

Causes serious eye irritation.

pH: 9 (25°C).

**Substances**

Not available

**11.6. Skin sensitisation**

**Data for mixture**

Not classified.

**Substances**

Not available

**11.7. STOT RE**

**Data for mixture**

Not available

**Substances**

Not available

**11.8. STOT SE**

**Data for mixture**

Not available

**Substances**

Not available

**11.9. STOT RE**

**Data for mixture**

Not classified.

**Substances**

Not available

**11.10. Carcinogenicity**

**Data for mixture**

Not available

**Substances**

Not available

**11.11. Reproductive and Developmental Toxicity**

**Data for mixture**

Not available

**Substances**

Not available

**11.12. Genotoxicity**

**Data for mixture**

Not available

**Substances**

Not available

### 11.13. In vitro genotoxicity

#### Data for mixture

Not available

#### Substances

Not available

### 11.14. Respiratory sensitisation

#### Data for mixture

Not available

#### Substances

Not available

### 11.15. Additional information

Not available

## SECTION 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.  
Hazardous to the aquatic environment, short-term (acute) : Not classified.  
Hazardous to the aquatic environment, long-term (chronic) : Not classified.

### 12.2. Persistence and degradability

No additional information available.

### 12.3. Bioaccumulative potential

No additional information available.

### 12.4. Mobility in soil

No additional information available.

### 12.5. Results of PBT and vPvB assessment

Not available

### 12.6. Other adverse effects

No additional information available.

### 12.7. Additional ecotoxicological information

Not available

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1. Product/Packaging disposal

#### Waste treatment options

- Dispose of contents/container in accordance with licensed collector's sorting instructions.



## SECTION 14: TRANSPORT INFORMATION

	Land transport (ADR/RID)	Inland waterway transport (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI/IATA-DGR)
14.1. UN number	-	-	-	-
14.2. UN proper shipping name	-	-	-	-
14.3. Transport hazard class(es)				
Class or Division	-	-	-	-
Hazard label(s)				
14.4. Packing group	-	-	-	-

### 14.5. Environmental hazards

Not available

### 14.6. Special precautions for user

Not available

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not available

### 14.8. Additional information

Not available

## SECTION 15: REGULATORY INFORMATION

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

This SDS has been established in accordance with REACH regulation, including its amendments: REACH Regulation (EC) No 1907/2006.

This SDS has been established in accordance with CLP regulation, including its amendments: CLP Regulation EC No. 1272/2008.

#### EU legislation

**Regulation:** REACH : Annex XVII (Restrictions)

Substance	CAS	EC
Boric acid	10043-35-3	233-139-2

**Regulation:** REACH : Candidate List of SVHC

Substance	CAS	EC
Boric acid	10043-35-3	233-139-2

**Regulation:** Seveso III : Substances nommément désignées

Substance	CAS	EC
sodium hydroxide	1310-73-2	215-185-5

#### National regulations

**Regulation:** Cosmetic Ingredient Hotlist

Substance	CAS	EC
Boric acid	10043-35-3	233-139-2

### 15.2. Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

For this substance/mixture a chemical safety assessment has been elaborated.

For this mixture, the relevant data of the Substances' Chemical safety assessment are integrated in the sections of the SDS.

### 15.3. Additional information

Not available

## SECTION 16: OTHER INFORMATION

Creation date: 07/07/2021  
 Version date: 07/07/2021  
 Printing date: 08/07/2021

### 16.1. Indication of changes

Not applicable (first edition of the MSDS).

### 16.2. Abbreviations and acronyms

CAS: Chemical Abstract Service Number.  
 IATA: International Air Transport Association.  
 IMDG: International Maritime Dangerous Goods Code.  
 DPD Dangerous Preparation Directive.  
 UN number: United Nations number.  
 No EC: European Commission Number.  
 ADN/ADNR: Regulations concerning the transport of dangerous substances in barges on the waterways.  
 ADR/RID: European Agreement concerning the International Carriage of Dangerous Goods by Road/Regulations concerning the international carriage of dangerous goods by rail.  
 CLP: Classification, labeling and packaging.  
 VPvB: very persistent and very bioaccumulative substances.

### 16.3. Key literature references and sources for data

No data available.

### 16.4. Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]

Classification of the mixture is in accordance with the evaluation method described in Regulation (EC) No 1272/2008.

### 16.5. Relevant R-, H- and EUH-phrases (Number and full text)

H290	Met. Corr. 1	May be corrosive to metals.
H312	Acute Tox. 4 DERMAL	Harmful in contact with skin.
H314	Skin Corr. 1A	Causes severe skin burns and eye damage.
H315	Skin Irrit. 2	Causes skin irritation.
H319	Eye Irrit. 2	Causes serious eye irritation
H334	Resp. Sens. 1	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H360	Repr. 1B	May damage fertility or the unborn child.
H412	Aquatic Chronic 3	Harmful to aquatic life with long lasting effects

### 16.6. Training advice

Refer to Sections 4, 5, 6, 7 and 8 of this safety data sheet.

### 16.7. Additional information

Not available

The information given in this Safety Data Sheet is based on our present knowledge and on european and national regulations. This Safety Data Sheet describes safety requirements relative to identified uses, it doesn't guarantee all the product properties particularly in the case of non identified uses. The product mustn't be used for any uses other than those identified under heading 1. Since the user's working conditions are not known by us, it is the responsibility of the user to take all necessary measures to comply with legal requirements for specific uses and avoid negative health effects.