

## Safety Data Sheet

# Buffer pH 7,00 trac. NIST

Version: 2  
 Version date: 04/05/2023  
 Language: EN  
 According to Regulation (EC) No. 1907/2006 (amended by Regulation (EU) No. 2020/878)

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

### 1.1. Product identifier

**Trade name/designation** : Buffer pH 7,00 trac. NIST.  
**Article No (user)** : P01700107.

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

**Relevant identified uses** : Laboratory chemicals.  
**Uses advised against** : No additional information available.

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

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

### 1.4. Emergency Telephone Number

#### United Kingdom:

In England and Wales: dial 111 ( NHS 111), In Scotland: dial 111 (NHS 24), In Northern Ireland: Contact your local GP or pharmacist during normal hours. During GP Out-of-Hours ([www.gpoutofhours.hscni.net/](http://www.gpoutofhours.hscni.net/)): Belfast HSC Trust, (North & West) 028 9074 4447, (South & East) 028 9079 6220 South Eastern HSC Trust, (North Down & Ards) 028 9182 2344, (Lisburn & Downpatrick) 028 9260 2204, Dalriada Urgent Care (Northern Trust area) 028 2566 3500, Southern HSC Trust 028 3839 9201, Western Urgent Care 028 7186 5195.

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

Classification according to the regulation (EC) n°1272/2008 (CLP) and its amendments

**Hazards identification:** This mixture is not classified as dangerous.

### 2.2. Label elements

Label elements according to the regulation (EC) n°1272/2008 (CLP) and its amendments

Labelling

Hazard pictograms

Signal word

### Precautionary Statements

P101 If medical advice is needed, have product container or label at hand.

### Precautionary Statements - Disposal

P501 Dispose of contents and container in accordance with local regulations.

### 2.3. Other hazards

According to Regulation (EU) 1907/2006, no substances are assessed as PBT or vPvB.

According to Regulation (EU) 2017/2100 or Regulation (EU) 2018/605, no substances are known to have endocrine disrupting properties.

### Adverse physicochemical effects:

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.2. Mixtures

In accordance with the product knowledge, no nanomaterials have been identified.

The mixture does not contain any substances classified as Substances of Very High Concern (SVHC) by the European Chemicals Agency (ECHA) under article 57 of REACH: <http://echa.europa.eu/fr/candidate-list-table>.

Substance	Concentration (%)	Specific concentration limits	Classification

<b>water</b>			
CAS N°	7732-18-5	98.0% <C≤ 100.0%	
EC N°	231-791-2		
IDX N°			
<b>potassium dihydrogenorthophosphate</b>			
CAS N°	7778-77-0	C< 1.0%	
EC N°	231-913-4		
IDX N°			
REACH N°	01-2119490224-41-xxxx		
<b>disodium hydrogenorthophosphate</b>			
CAS N°	7558-79-4	C< 1.0%	
EC N°	231-448-7		
IDX N°			
REACH N°	01-2119489797-11-xxxx		

**Remark**

Not available

**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.

**Following eye contact:**

Rinse eyes with water as a precaution.

**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:**

No additional information available.

**Effects:**

No additional information available.

**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.  
 CARBON DIOXIDE.  
 Foam.

**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.

**Additional information**

Not available

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures****For non-emergency personnel:****Emergency procedures:**

Ventilate spillage area.

**For emergency responders:****Individual protection measures, such as personal protective equipment:**

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

#### For cleaning up:

Take up liquid spill into absorbent material.

#### Other information:

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.

#### Additional information

Not available

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

#### PROTECTIVE MEASURES:

Ensure good ventilation of the work station. Wear personal protective equipment.

#### Advices on general occupational hygiene:

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

#### Occupational exposure limits:

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

#### Biological limit values:

Not available

#### Exposure limits at intended use:

Not available

#### Remark:

Not available

### 8.2. Exposure controls

#### Appropriate engineering controls:

See section 7. No additional measures necessary.

#### Individual protection measures, such as personal protective equipment: Not available

<b>Eye/face protection</b>	:	<b>Suitable eye protection:</b> No data available.
<b>Skin protection</b>	:	<b>Hand protection:</b> <b>Suitable gloves type:</b> No data available. <b>Body protection:</b> <b>Suitable protective clothing:</b> No special measures are necessary.
<b>Respiratory protection</b>	:	<b>Suitable respiratory protection apparatus:</b> No data available.

#### Environmental exposure controls:

No special measures are necessary.

#### Consumer exposure controls:

Not available

#### Additional information

Not available

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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

<b>Physical state</b>	:	Liquid
<b>Colour</b>	:	Colourless
<b>Odour</b>	:	Odourless
<b>pH</b>	:	7
<b>Melting point/freezing point</b>	:	Not available
<b>Initial boiling point and boiling range</b>	:	100°C
<b>Flash point</b>	:	Not available

<b>Flammability</b>	:	Not available
<b>Upper/lower flammability or explosive limits</b>	:	Not available
<b>Vapour pressure</b>	:	Not available
<b>Vapour density</b>	:	Not available
<b>Relative density</b>	:	Not available
<b>Solubility(ies)</b>	:	Soluble In Water.
<b>Partition coefficient n-octanol/water (log value)</b>	:	Not available
<b>Auto-ignition temperature</b>	:	Not available
<b>Decomposition temperature</b>	:	Not available
<b>Kinematic viscosity</b>	:	Not available
<b>Solubility in other Solvents</b>	:	Not available
<b>Particle characteristics</b>	:	Not available

## 9.2. Other safety information

### Information concerning to the classes of physical hazards

Not available

### Other security characteristics

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.

### Additional information

Not available

## SECTION 11: TOXICOLOGICAL INFORMATION

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

#### **Acute oral toxicity:**

The product is not classified.

#### **Data for mixture:**

Not available

#### **Substances:**

Not available

#### **Acute dermal toxicity:**

The product is not classified.

#### **Data for mixture:**

Not available

#### **Substances:**

##### • **potassium dihydrogenorthophosphate (CAS: 7778-77-0):**

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

Subendpoint	Operator	Value	Unit
LD50:		4640	mg/kg

Conclusion : Not available

##### • **disodium hydrogenorthophosphate (CAS: 7558-79-4):**

Species	:	Rat
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

**Acute inhalation toxicity:**

The product is not classified.

**Data for mixture:**

Not available

**Substances:**

Not available

**Skin corrosion/irritation:**

PH: 7.

The product is not classified.

**Data for mixture:**

Not available

**Substances:**

Not available

**Serious eye damage/irritation:**

PH: 7.

The product is not classified.

**Data for mixture:**

Not available

**Substances:**

Not available

**Skin sensitisation:**

The product is not classified.

**Data for mixture:**

Not available

**Substances:**

Not available

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

The product is not classified.

**Data for mixture:**

Not available

**Substances:**

Not available

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

The product is not classified.

**Data for mixture:**

Not available

**Substances:**

Not available

**Carcinogenicity:**

The product is not classified.

**Data for mixture:**

Not available

**Substances:**

Not available

**Reproductive toxicity:**

The product is not classified.

**Data for mixture:**

Not available

**Substances:**

Not available

**Germ cell mutagenicity:**

The product is not classified.

**Data for mixture:**

Not available

**Substances:**

Not available

**Sensitisation to the respiratory tract:**

The product is not classified.

**Data for mixture:**

Not available

**Substances:**

Not available

**Additional information:**

Not available

**11.2. Information on other hazards****Endocrine disrupting properties:**

According to Regulation (EU) 2017/2100 or Regulation (EU) 2018/605, no substances are known to have endocrine disrupting properties.

## 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.

Acute aquatic toxicity : Not classified.

Chronic aquatic toxicity : Not classified.

**Data for mixture:**

Not available

**Substances:**

Not available

**12.2. Persistence and degradability**

No additional information available.

**Data for mixture:**

Not available

**Substances:**

Not available

**12.3. Bioaccumulative potential**

No additional information available.

**Data for mixture:**

Not available

**Substances:**

Not available

**12.4. Mobility in soil**

No additional information available.

**Data for mixture:**

Not available

**Substances:**

Not available

**12.5. Results of PBT and vPvB assessment**

According to Regulation (EU) 1907/2006, no substances are assessed as PBT or vPvB.

**12.6. Endocrine disrupting properties**

According to Regulation (EU) 2017/2100 or Regulation (EU) 2018/605, no substances are known to have endocrine disrupting properties.

**12.7. Other adverse effects**

No additional information available.

**Additional ecotoxicological information**

Not available

## SECTION 13: DISPOSAL CONSIDERATIONS

**13.1. Waste treatment methods****Product/Packaging disposal:****Waste treatment options:**

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

**Additional information**

Not available

## SECTION 14: TRANSPORT INFORMATION

**14.1. UN number**

The product is not hazardous according to the applicable transport regulations.

**14.2. UN proper shipping name**

Not regulated.

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

Not regulated.

**14.4. Packing group**

Not regulated.

**14.5. Environmental hazards**

Not regulated.

**14.6. Special precautions for user**

Not regulated.

**14.7. Bulk shipping according to IMO instruments**

Not regulated.

**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.

**15.2. Chemical Safety Assessment**

For this substance/mixture a chemical safety assessment is not required.

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

**Additional information**

Not available

**SECTION 16: OTHER INFORMATION****Indication of changes**

Not applicable (first edition of the MSDS).

**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.

**Key literature references and sources for data**

No data available.

**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.

Complies with ATP 18, Regulation (EU) n°2022/692.

**Relevant R-, H- and EUH-phrases (Number and full text)****Training advice**

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

**Additional information**

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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.