

## Safety Data Sheet

# Buffer pH 1.68 DIN-NIST

According\_to\_Regulation\_CLP14

Version:1  
Version date:28/06/2021  
Language:EN

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

### 1.1. Product identifier

Trade name/designation : Buffer pH 1.68 DIN-NIST  
Article No (user) : P01700105

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

### 2.2. Label elements

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

Hazard pictograms	
Signal word	Danger
Product identifiers	-
Hazard Statements	H314 - Causes severe skin burns and eye damage.
Supplemental Hazard information (EU)	-
Precautionary Statements - General	-
Precautionary Statements - Prevention	P260 - Do not breathe dust/fume/gas/mist/vapours/spray. P264 - Wash ... thoroughly after handling.

Precautionary Statements - Response	P280 - Wear protective gloves/protective clothing/eye protection/face protection. 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/shower. P304+P340 - IF INHALED: Remove person to fresh air and keep 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/...
Precautionary Statements - Storage	-
Precautionary Statements - Disposal	-

Contains: Ethanedioic acid, potassium salt, hydrate (2:1:2)

### 2.3. Other hazards

Adverse physicochemical effects : Causes severe skin burns and eye damage.

## 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°:	95.0% <C≤ 100.0%	-	-	-
Ethanedioic acid, potassium salt, hydrate (2:1:2) CAS N°:6100-20-5 EC N°:612-064-2 IDX N°:	1.0% ≤C≤ 5.0%	H302: Harmful if swallowed H312: Harmful in contact with skin. H314: Causes severe skin burns and eye damage.	-	-

### 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

General information	:	Call a physician immediately.
Following inhalation	:	Remove person to fresh air and keep comfortable for breathing.
Following skin contact	:	Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a physician immediately.
Following eye contact	:	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
Following ingestion	:	Rinse mouth. Do not induce vomiting. Call a physician immediately.

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

Symptoms	:	After skin contact : Burns. After eye contact : Serious damage to eyes. After ingestion : Burns.
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Effects : After skin contact : Burns.  
After eye contact : Serious damage to eyes.  
After ingestion : Burns.

#### 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

- Protection during firefighting : 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. Do not breathe dust/fume/gas/mist/vapours/spray.  
- 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.
- Do not breathe dust/fume/gas/mist/vapours/spray.
- Wear personal protective equipment.

### Advices on general occupational hygiene

- Provide eye shower and label its location conspicuously
- 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 locked up. 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

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

### 8.2. Exposure controls

#### Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment.

#### Personal protection equipment



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

### 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:	Colourless.
Odour:	Odourless.

Odour threshold:	Not available
pH:	1,68 (25°C)
Melting point/freezing point:	Not available
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**

Not available

**11.2. Acute skin toxicity**

**Data for mixture**

Not classified.

**Substances**

Not available

**11.3. Acute inhalation toxicity**

**Data for mixture**

Not classified.

**Substances**

Not available

**11.4. Skin corrosion**

**Data for mixture**

Causes severe skin burns.

pH: 1,68 25°C.

**Substances**

Not available

**11.5. Eye damage**

**Data for mixture**

Assumed to cause serious eye damage.

pH: 1,68 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 classified.

**Substances**

Not available

**11.8. STOT SE**

**Data for mixture**

Not classified.

**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 : Before neutralisation, the product may represent a danger to aquatic organisms.

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**

No additional information 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 codes/waste designations according to EWC/AVV**

- The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

**Waste treatment options**

- Waste requiring special supervision.
- Dispose of waste according to applicable legislation.
- Delivery to an approved waste disposal company.
- Non-contaminated packages must be recycled or disposed of.
- Contaminated packing must be completely emptied and can be reused after proper cleaning.
- Packing which cannot be properly cleaned must be disposed of.
- Handle contaminated packages in the same way as the substance itself.
- Dispose of waste according to applicable legislation.
- Dispose of contents/container in accordance with licensed collector's sorting instructions.





**Remark**

- For recycling, contact manufacturer.
- Collect the waste separately.
- Consult the appropriate authorities about waste disposal.
- Do not mix with other wastes.
- The waste is to be kept separate from other types of waste until its disposal.
- Concerning the waste it has to be checked, whether a transport authorisation is required.

**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	1760	1760	1760	1760
14.2. UN proper shipping name	LIQUIDE CORROSIF, N.S.A.	LIQUIDE CORROSIF, N.S.A.	LIQUIDE CORROSIF, N.S.A.	LIQUIDE CORROSIF, N.S.A.
14.3. Transport hazard class(es)				
Class or Division	8	8	8	8



<b>Hazard label(s)</b>				
<b>14.4. Packing group</b>	I	I	I	I

**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.

**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: 28/06/2021

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**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)

H302	Acute Tox. 4 ORAL	Harmful if swallowed
H312	Acute Tox. 4 DERMAL	Harmful in contact with skin.
H314	Skin Corr. 1A	Causes severe skin burns and eye damage.

### 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.