

# Safety Data Sheet

according to Regulations 1907/2006/EC (REACH) and 2015/830/EU

REF: 740919

Buffer Set PL2/PL3

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Printing date: 15.11.2021

Date of issue: 14.08.2020

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

### 1.1 Product identifier

REF

740919

Product name

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REACH Registration number(s): see SECTION 3.1/3.2 or

A registration number for the substance(s) does not exist because the annual tonnage does not require registration or the substance or its use is excluded from registration.

1 x 100 mL PL2

1 x 25 mL PL3

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

**Relevant identified uses**

Product for analytical use.

Exposure Scenario Classification according REACH, RIP 3.2 Codes: SU 0-2, PC 21, PROC 15, AC 0

The exposure scenario is integrated into sections 1-16.

**Uses advised against**

not described

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

**Manufactured by:**

MACHEREY-NAGEL GmbH & Co. KG

Valenciennner Str. 11, 52355 Düren, GERMANY

Tel.: +49 2421 969 0

E-mail: [sds@mn-net.com](mailto:sds@mn-net.com) ([msds@mn-net.com](mailto:msds@mn-net.com))

### 1.4 Emergency telephone number

Information not necessary.

You find our current versions of SDS (22 languages) in Internet:

<http://www.mn-net.com/SDS>

## SECTION 2: Hazard identification

### 2.0 Classification of the complete product

-

### 2.1 Classification of the substance or mixture

**100 mL PL2**

Signal word

Do not need labelling as hazardous

-

No hazard class

**25 mL PL3**

Signal word

Do not need labelling as hazardous

-

No hazard class

### 2.2 Label elements

**100 mL PL2**

Do not need labelling as hazardous

Signal word: -

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## 25 mL PL3

Do not need labelling as hazardous  
Signal word: -

## 2.3 Other hazards

### Possible hazards from physicochemical properties

According to our current status of knowledge and experience we state, that this product does not contain any substances, which - in accordance with EC regulations 1272/2008/EC, 1907/2006/EC and German Regulations for Hazardous goods - have to be declared as dangerous goods, either because of their applied concentration or because of their total amount in anyone kit. An individual package has considerably less hazardous potential. ---

### Information pertaining to particular risks to human and possible symptoms

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### Information pertaining to particular risks to the environment

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### Other hazards

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## SECTION 3: Composition/information on ingredients

### 3.1 Substances or 3.2 Mixtures

#### 100 mL PL2

Chemical: *dodecyl sulfate, sodium salt* CAS No.: 151-21-3  
Classification: H228, Flam. Sol. 1, H302, Acute Tox. 4 oral, H315, Skin Irrit. 2, H318, Eye Dam. 1, H332, Acute Tox. 4 inh., H335, STOT SE 3, H412, Aquatic Chronic 3  
Formula:  $C_{12}H_{25}NaO_4S$   
Pseudonym: sodium lauryl sulfate, sulfuric acid monododecyl ester sodium salt  
TSCA Inventory: listed  
REACH Reg. No.: 01-2119489461-32-xxxx  
EC No.: 205-788-1  
RTECS: WT1050000 MFCD: 00036175  
KE No.: KE-21884  
Concentration: 1 - <2.5 %  
acc. CLP (GHS): The criteria for classification are not fulfilled.

Chemical: *sodium chloride* CAS No.: 7647-14-5  
Classification: No criteria for classification or naming of chemical not required.  
Formula: NaCl  
Pseudonym: salt  
TSCA Inventory: listed  
REACH Reg. No.: exempt, Annex V  
EC No.: 231-598-3  
RTECS: VZ4725000  
KE No.: KE-31387  
Concentration: 1 - <5 %  
acc. CLP (GHS): The criteria for classification are not fulfilled.

Chemical: *chemicals/mixture < 2%* CAS No.: -  
Classification: No criteria for classification or naming of chemical not required.  
TSCA Inventory: all listed, <2%  
KE No.: listed  
Concentration: 1 - <2 %  
acc. CLP (GHS): The criteria for classification are not fulfilled.

#### 25 mL PL3

Chemical: *acetate buffer solution* CAS No.: -  
Classification: No criteria for classification or naming of chemical not required.  
Formula:  $CH_3COOH/K/Na \cdot H_2O$   
TSCA Inventory: all listed  
KE No.: listed  
Concentration: 45 - <60 %  
acc. CLP (GHS): The criteria for classification are not fulfilled.

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## 3.3 Remarks

When not listed, mixtures are added with water [CAS No. 7732-18-5] to 100%.

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## SECTION 4: First aid measures

### 4.1 Description of first aid measures

Place insured person out of danger zone to fresh air immediately.

#### 4.1.1 After SKIN Contact

#### 4.1.2 After EYE Contact

#### 4.1.3 After INHALATION of vapours

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#### 4.1.4 After ORAL Intake

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

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

No additionally recommendations. ---

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Fire extinguishers appropriate to the fire classification, and, if applicable, a fire blanket must be available in a prominent location in the work area. All extinguishers like FOAM, WATER SPRAY, DRY POWDER, CARBON DIOXIDE can be used.

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

None.

### 5.3 Advice for firefighters

No, for listed product. Product package burns like paper or plastic.

### 5.4 Additional information

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## SECTION 6: Accidental release measures

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

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### 6.2 Environmental precautions

not necessary

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

Clean working area with water. Flush used water into drains.

### 6.4 Reference to other sections

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## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

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

The original product package of MACHEREY-NAGEL allows a safe storage.

Storage class (VCI): 12

Water hazard class (DE): 2

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## 7.2.1 Requirements for stock rooms and containers

Keep original product packages tightly closed during handling and storage.

## 7.3 Specific end use(s)

Product for analytical use.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### 100 mL PL2

Chemical: *dodecyl sulfate, sodium salt*

CAS No.: 151-21-3

NIOSH: not listed

[TWA] Time-weighted average to a reference period of 8 hours, [STEL] Short-term exposure limit related to a 15-minute period

OSHA: not listed

Chemical: *sodium chloride*

CAS No.: 7647-14-5

Chemical: *chemicals/mixture < 2%*

CAS No.: -

#### 25 mL PL3

Chemical: *acetate buffer solution*

CAS No.: -

### 8.2 Exposure controls

Not necessary.

#### 8.2.1 Respiratory protection

Not necessary.

#### 8.2.2 Hand protection

Not necessary.

#### 8.2.3 Eye protection

Not necessary.

#### 8.2.4 Skin protection

Not necessary.

#### 8.2.5 Personal hygiene

Information not necessary.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### 100 mL PL2

Appearance: liquid

Colour: colourless

Odor: odorless

pH:

7.5-8.5

Specific gravity:

1.03 g/cm<sup>3</sup>

#### 25 mL PL3

Appearance: liquid

Colour: colourless

Odor: acetic

pH:

5-6

Specific gravity:

1.19 g/cm<sup>3</sup>

### 9.2 Other information

Relevant Properties of Substance Group

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## SECTION 10: Stability and reactivity

### 10.1 Reactivity

None

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## 10.2 Chemical stability

No known instability.

## 10.3 Possibility of hazardous reactions

None.

## 10.4 Conditions to avoid

Not known. ---

## 10.5 Incompatible materials

Not known.

## 10.6 Hazardous decomposition products

In the original package all parts/all reagents are safety and separated stored. Decompositions are not observed during the expiration period under recommended conditions.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

Following information is valid for pure substances.

#### 100 mL PL2

|                             |                                                                      |                                            |
|-----------------------------|----------------------------------------------------------------------|--------------------------------------------|
| Chemical:                   | <i>dodecyl sulfate, sodium salt</i>                                  | CAS No.: 151-21-3                          |
| TSCA Inventory:             | listed                                                               | California Proposition 65 List: not listed |
| Australia NICNAS:           | not listed                                                           | Canada CEPA 1999: DSL yes                  |
| Japan CSCL/PRTR:            | PRTR - Class I Designated Chemical Substance, Japan PDSC: not listed |                                            |
| Japan ISHL:                 | not listed                                                           |                                            |
| South Korea TCCA:           | not listed                                                           |                                            |
| Korea Exist.Chem.Inventory: | KE-21884                                                             |                                            |
| LD50 <sub>orl rat</sub> :   | 1288 mg/kg                                                           |                                            |
| LC50 <sub>inh rat</sub> :   | 3900 <sub>1h</sub> mg/m <sup>3</sup>                                 |                                            |
| LD50 <sub>drm rbt</sub> :   | 10 g/kg                                                              |                                            |

|                             |                        |                    |
|-----------------------------|------------------------|--------------------|
| Chemical:                   | <i>sodium chloride</i> | CAS No.: 7647-14-5 |
| TSCA Inventory:             | listed                 |                    |
| Korea Exist.Chem.Inventory: | KE-31387               |                    |
| LD50 <sub>orl rat</sub> :   | 3000 mg/kg             |                    |
| LD50 <sub>drm rbt</sub> :   | 10 g/kg                |                    |

|                             |                                  |            |
|-----------------------------|----------------------------------|------------|
| Chemical:                   | <i>chemicals/mixture &lt; 2%</i> | CAS No.: - |
| TSCA Inventory:             | all listed, <2%                  |            |
| Korea Exist.Chem.Inventory: | listed                           |            |

#### 25 mL PL3

|                             |                                |            |
|-----------------------------|--------------------------------|------------|
| Chemical:                   | <i>acetate buffer solution</i> | CAS No.: - |
| TSCA Inventory:             | all listed                     |            |
| Korea Exist.Chem.Inventory: | listed                         |            |

## SECTION 12: Ecological information

### 12.1 Toxicity

Following information is valid for pure substances.

#### 100 mL PL2

|                                                     |                                     |                   |
|-----------------------------------------------------|-------------------------------------|-------------------|
| Chemical:                                           | <i>dodecyl sulfate, sodium salt</i> | CAS No.: 151-21-3 |
| LC50 <sub>daphnia magna/48h</sub> :                 | 6.3 mg/L                            |                   |
| LC50 <sub>fish/96h</sub> :                          | 1.31-22.5 mg/L                      |                   |
| Water hazard class (DE):                            | 2                                   |                   |
| Dispersion coefficient <sub>(octanol-water)</sub> : | 1.6                                 |                   |
| Storage class (VCI):                                | 12-13                               |                   |

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Chemical: *sodium chloride*

CAS No.: 7647-14-5

Water hazard class (DE): 1

Storage class (VCI): 12-13

Chemical: *chemicals/mixture < 2%*

CAS No.: -

Water hazard class (DE): 1

Storage class (VCI): 12-13

## 25 mL PL3

Chemical: *acetate buffer solution*

CAS No.: -

Storage class (VCI): 12

### 12.2 Persistence and degradability

not necessary

### 12.3 Bioaccumulative potential

not necessary

### 12.4 Mobility in soil

not necessary

### 12.5 Results of PBT and vPvB assessment

no data available

### 12.6 Other adverse effects

no additional data available

## SECTION 13: Disposal considerations

Not necessary.

### 13.1 Waste treatment methods

GENERAL: Empty solids into municipal waste, empty liquids diluted into drains.

## SECTION 14: Transport information

14.1 - 14.4 Not necessary

### 14.5 Environmental hazards

none

### 14.6 Special precautions for user

not necessary

### 14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

not applicable

## SECTION 15: Regulatory information

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

German act governing protection from hazardous substances (Chemicals Act / Chemikaliengesetz- ChemG), revised on August 2013  
German order governing protection from hazardous substances (Ordinance on Hazardous Substances / Gefahrstoffverordnung - GefStoffV), revised on November 2010, according to Directive 98/24/EC  
Look for your country-specific regulations.

### 15.2 Chemical safety assessment

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## SECTION 16: Other information

### 16.1 List of H and P phrases

#### 16.1.1 List of relevant H phrases

#### 16.1.2 List of relevant P phrases

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## 16.2 Training advice

Regular safety training.

## 16.3 Recommended restriction on use

None

## 16.4 Further information

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## 16.5 Sources of key data

Regulation 453/2010/EU REACH - REQUIREMENTS FOR THE COMPILATION OF SAFETY DATA SHEETS

Regulation 487/2013/EU, 4<sup>th</sup> adaptation of CLP regulation to technical and scientific progress

Regulation 669/2018/EU, 4<sup>th</sup> adaptation of CLP regulation to technical and scientific progress

Regulation 1480/2018/EU, 4<sup>th</sup> adaptation of CLP regulation to technical and scientific progress

Regulation 849/2021/EU, 4<sup>th</sup> adaptation of CLP regulation to technical and scientific progress

TRGS 900, German engineering rules governing limits in air at work, updated 03/2019

SUVA .CH, Limits in air at work 2009, revised on 01.2009

KÜHN, BIRETT Merkblätter Gefährliche Arbeitsstoffe (Data Sheets of Hazardous Substances)

### Revisions/Updates

Reason for Revision: 2016-03 Adaptation of regulation 1221/2015/EU