

Safety Data Sheet

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

REF: 744310.1	NucleoMag DNA Bacteria (1x96)	Page: 1/11
Printing date: 12.05.2021	Date of issue: 03.12.2019	

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

1.1 Product identifier

REF 744310.1
 Product name NucleoMag DNA Bacteria (1x96)

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 40 mL IMB Binding Buffer
 1 x 60 mL IME Buffer
 1 x 60 mL IML Buffer
 1 x 50 mL IMW Wash Buffer
 1 x 1.25 mL Liquid Proteinase K
 1 x 0.3 mL Liquid RNase A
 2 x 1,5 mL NucleoMag® B-Beads

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
 Valenciener Str. 11, 52355 Düren, GERMANY
 Tel.: +49 2421 969 0

E-mail: sds@mn-net.com (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

40 mL IMB Binding Buffer

Signal word Do not need labelling as hazardous
 -

No hazard class

60 mL IME Buffer

Signal word Do not need labelling as hazardous
 -

No hazard class

60 mL IML Buffer

Do not need labelling as hazardous



Safety Data Sheet

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

REF: 744310.1	NucleoMag DNA Bacteria (1x96)	Page: 2/11
Printing date: 12.05.2021	Date of issue: 03.12.2019	

Signal word -

No hazard class

50 mL IMW Wash Buffer

Signal word Do not need labelling as hazardous
-

No hazard class

1.25 mL Liquid Proteinase K

Signal word Do not need labelling as hazardous
-

No hazard class

0.3 mL Liquid RNase A

Signal word Do not need labelling as hazardous
-

No hazard class

1,5 mL NucleoMag® B-Beads

Signal word Do not need labelling as hazardous
-

No hazard class

2.2 Label elements

40 mL IMB Binding Buffer

Do not need labelling as hazardous
Signal word: -

60 mL IME Buffer

Do not need labelling as hazardous
Signal word: -

60 mL IML Buffer

Do not need labelling as hazardous
Signal word: -

50 mL IMW Wash Buffer

Do not need labelling as hazardous
Signal word: -

1.25 mL Liquid Proteinase K

Do not need labelling as hazardous
Signal word: -

0.3 mL Liquid RNase A

Do not need labelling as hazardous
Signal word: -



Safety Data Sheet

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

REF: 744310.1

NucleoMag DNA Bacteria (1x96)

Page: 3/11

Printing date: 12.05.2021

Date of issue: 03.12.2019

1,5 mL NucleoMag® B-Beads

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

Kit contains small amounts of enzymes: In liquid form no hazard H334. ---

Information pertaining to particular risks to the environment

Other hazards

SECTION 3: Composition/information on ingredients

3.1 Substances or 3.2 Mixtures

40 mL IMB Binding Buffer

Chemical:	<i>ethyleneglycol diacetate</i>	CAS No.:	111-55-7
Classification:	No criteria for classification or naming of chemical not required.		
Formula:	C ₆ H ₁₀ O ₄		
Pseudonym:	1,2-Ethanediol, 1,2-diacetate		
TSCA Inventory:	listed		
REACH Reg. No.:	01-2119969454-26-xxxx		
EC No.:	203-881-1		
RTECS:	KW4025000	MFCD:	00008718
KE No.:	KE-13170		
Concentration:	50 - <80 %		
acc. CLP (GHS):	The criteria for classification are not fulfilled.		

Chemical:	<i>polyoxyethylene sorbitan monolaurate (Tween® 20)</i>	CAS No.:	9005-64-5
Classification:	No criteria for classification or naming of chemical not required.		
Formula:	C ₅₈ H ₁₁₄ O ₂₆		
Pseudonym:	Sorbitan, monododecanoate, poly(oxy-1,2-ethanediyl) derivs.		
TSCA Inventory:	listed		
RTECS:	TR7400000	MFCD:	00165986
KE No.:	KE-31681		
Concentration:	33 - <45 %		
acc. CLP (GHS):	The criteria for classification are not fulfilled.		

60 mL IME Buffer

Chemical:	<i>chemicals/mixture < 1%</i>	CAS No.:	-
Classification:	No criteria for classification or naming of chemical not required.		
TSCA Inventory:	all listed, <1%		
KE No.:	listed		
Concentration:	0.1 - <1 %		
acc. CLP (GHS):	The criteria for classification are not fulfilled.		

60 mL IML Buffer

Safety Data Sheet

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

REF: 744310.1

NucleoMag DNA Bacteria (1x96)

Page: 4/11

Printing date: 12.05.2021

Date of issue: 03.12.2019

Chemical: *ethylenedinitrilo tetraacetic acid (EDTA)* CAS No.: 60-00-4
 Classification: H319, Eye Irrit. 2, H412, Aquatic Chronic 3
 Formula: $C_{10}H_{16}N_2O_8$
 Pseudonym: Edetic acid, Glycine, N,N'-1,2-ethanediybis[N-(carboxymethyl)-
 TSCA Inventory: listed
 REACH Reg. No.: 01-2119486399-18-xxxx
 RTECS: AH4025000 MFCD: 0003541
 KE No.: KE-13648
 Concentration: 1 - <10 %
 acc. CLP (GHS): The criteria for classification are not fulfilled.

50 mL IMW Wash Buffer

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: 5 - <15 %
 acc. CLP (GHS): The criteria for classification are not fulfilled.

1.25 mL Liquid Proteinase K

Chemical: *proteinase K, liquid (origin: tritirachium album)* CAS No.: 39450-01-61
 Classification: H315, Skin Irrit. 2, H319, Eye Irrit. 2, H334, Resp. Sens. 1
 Formula: Enzyme Comm. No. 3.4.21.64, origin: tritirachium album
 TSCA Inventory: listed (CAS 102925-54-2)
 EC No.: 254-457-8 Indice No.: 647-014-00-9
 RTECS: - MFCD: 00132129
 KE No.: not listed
 Concentration: 1 - <3 %
 acc. CLP (GHS): The criteria for classification are not fulfilled.

Chemical: *glycerole* CAS No.: 56-81-5
 Classification: No criteria for classification or naming of chemical not required.
 Formula: $C_3H_8O_3$
 Pseudonym: glycerin, 1,2,3-propanetriol
 TSCA Inventory: listed (1,2,3-Propanetriol)
 REACH Reg. No.: 01-2119471987-18-xxxx
 EC No.: 200-289-5 Indice No.: n/a
 RTECS: MA8050000 MFCD: 00004722
 KE No.: KE-29297
 Concentration: 50 - <80 %
 acc. CLP (GHS): The criteria for classification are not fulfilled.

0.3 mL Liquid RNase A

Chemical: *di-sodium hydrogencitrate* CAS No.: 6132-05-4
 Classification: No criteria for classification or naming of chemical not required.
 Formula: $C_6H_6Na_2O_7 \cdot 1.5H_2O$
 TSCA Inventory: listed (CAS 144-33-2)
 EC No.: 205-623-3
 KE No.: not listed
 Concentration: < 0.10 %
 acc. CLP (GHS): The criteria for classification are not fulfilled.

Chemical: *RNase liquid* CAS No.: 9001-99-4L
 Classification: No criteria for classification or naming of chemical not required.
 Formula: Enzyme Comm. No. 3.1.27.5, origin: bovine pancreas (controlled population)
 Pseudonym: Nuclease, ribo-
 TSCA Inventory: listed
 EC No.: 232-646-6
 RTECS: RF0760000
 KE No.: KE-30341
 Concentration: 2.5 - <10 %
 acc. CLP (GHS): The criteria for classification are not fulfilled.

1,5 mL NucleoMag® B-Beads

Safety Data Sheet

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

REF: 744310.1

NucleoMag DNA Bacteria (1x96)

Page: 5/11

Printing date: 12.05.2021

Date of issue: 03.12.2019

Chemical: *magnetic particles, suspended in water*
 Classification: No criteria for classification or naming of chemical not required.
 TSCA Inventory: listed (CAS 1309-38-2)
 Concentration: 1 - <15 %
 acc. CLP (GHS): The criteria for classification are not fulfilled.

CAS No.: -

3.3 Remarks

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

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

Not necessary.

4.1.2 After EYE Contact

Not necessary.

4.1.3 After INHALATION of vapours

Not necessary. ---

4.1.4 After ORAL Intake

Not necessary. ---

4.2 Most important symptoms and effects, both acute and delayed

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

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Do not breathe vapours. Not necessary.

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

Safety Data Sheet

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

REF: 744310.1

NucleoMag DNA Bacteria (1x96)

Page: 6/11

Printing date: 12.05.2021

Date of issue: 03.12.2019

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Handling in accordance with the test instruction, that comes with the product.

7.2 Conditions for safe storage, including any incompatibilities

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

Storage class (VCI): 10
Water hazard class (DE): 2

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

40 mL IMB Binding Buffer

Chemical: *ethyleneglycol diacetate*

CAS No.: 111-55-7

Chemical: *polyoxyethylene sorbitan monolaurate (Tween® 20)*

CAS No.: 9005-64-5

60 mL IME Buffer

Chemical: *chemicals/mixture < 1%*

CAS No.: -

60 mL IML Buffer

Chemical: *ethylendinitrilo tetraacetic acid (EDTA)*

CAS No.: 60-00-4

DNEL: 1.5 mg/m³
DNEL = Derived No-Effect Level (for workers)

PNEC_(fresh water): 2.2 mg/L
PNEC = Predicted No Effect Concentration

50 mL IMW Wash Buffer

Chemical: *acetate buffer solution*

CAS No.: -

1.25 mL Liquid Proteinase K

Chemical: *proteinase K, liquid (origin: tritirachium album)*

CAS No.: 39450-01-61

SUVA(CH) MAK value: 0,00006_{15min} mg/m³

Chemical: *glycerole*

CAS No.: 56-81-5

DNEL: [inh] 56 mg/m³
DNEL = Derived No-Effect Level (for workers)

PNEC_(fresh water): 0.885 mg/L
PNEC = Predicted No Effect Concentration

TRGS 900 (DE): 200 E mg/m³
E/e respirable

Short-term exposure factor: 2 (I), Y
skin resorptive (H), respiratory sensitizable (Sa), skin sensitizable (Sh), teratogenic (Z) not securely excluded / (Y) certainly excluded

SUVA(CH) MAK value: 50 e* mg/m³

0.3 mL Liquid RNase A

Chemical: *di-sodium hydrogencitrate*

CAS No.: 6132-05-4

Chemical: *RNase liquid*

CAS No.: 9001-99-4L

1,5 mL NucleoMag® B-Beads

Chemical: *magnetic particles, suspended in water*

CAS No.: -

8.2 Exposure controls

Not necessary. Good ventilation and extraction system in the room, floor resistant to chemicals with floor drainage and washing facilities.

Safety Data Sheet

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

REF: 744310.1	NucleoMag DNA Bacteria (1x96)	Page: 7/11
Printing date: 12.05.2021	Date of issue: 03.12.2019	

- 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

40 mL IMB Binding Buffer		
Appearance: liquid	Colour: colourless	Odor: odorless
60 mL IME Buffer		
Appearance: liquid	Colour: colourless	Odor: odorless
pH:	8-9	
Specific gravity:	1.0 g/cm ³	
60 mL IML Buffer		
Appearance: liquid	Colour: colourless	Odor: odorless
50 mL IMW Wash Buffer		
Appearance: liquid	Colour: colourless	Odor: acetic
1.25 mL Liquid Proteinase K		
Appearance: liquid	Colour: colourless	Odor: odorless
pH:	7-8	
Specific gravity:	1.1 g/cm ³	
Solubility in water:	0-100 %	
0.3 mL Liquid RNase A		
Appearance: liquid	Colour: colourless	Odor: odorless
pH:	4.5-5.5	
1,5 mL NucleoMag® B-Beads		
Appearance: liquid	Colour: colourless	Odor: odorless

9.2 Other information

Data for the other parameters of the mixtures are not available, because no registration and no chemical safety report is required.

Relevant Properties of Substance Group

SECTION 10: Stability and reactivity

- 10.1 **Reactivity**
None
- 10.2 **Chemical stability**
No known instability.
- 10.3 **Possibility of hazardous reactions**
None.
- 10.4 **Conditions to avoid**
Not known. ---

Safety Data Sheet

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

REF: 744310.1

NucleoMag DNA Bacteria (1x96)

Page: 8/11

Printing date: 12.05.2021

Date of issue: 03.12.2019

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. Quantitative data on the toxicity of this product are not available.

40 mL IMB Binding Buffer

Chemical:	<i>ethyleneglycol diacetate</i>	CAS No.: 111-55-7
TSCA Inventory:	listed	
Korea Exist.Chem.Inventory:	KE-13170	
LD50 _{orl rat} :	6850 mg/kg	
LD50 _{drm rbt} :	9328 mg/kg	

Chemical:	<i>polyoxyethylene sorbitan monolaurate (Tween® 20)</i>	CAS No.: 9005-64-5
TSCA Inventory:	listed	
Korea Exist.Chem.Inventory:	KE-31681	

60 mL IME Buffer

Chemical:	<i>chemicals/mixture < 1%</i>	CAS No.: -
TSCA Inventory:	all listed, <1%	
Korea Exist.Chem.Inventory:	listed	

60 mL IML Buffer

Chemical:	<i>ethylenedinitrilo tetraacetic acid (EDTA)</i>	CAS No.: 60-00-4
TSCA Inventory:	listed	
Japan CSCL/PRTR:	PRTR: ≥1,0% class I	
Korea Exist.Chem.Inventory:	KE-13648	
LD50 _{orl rat} :	2000-4500 mg/kg	

50 mL IMW Wash Buffer

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

1.25 mL Liquid Proteinase K

Chemical:	<i>proteinase K, liquid (origin: tritirachium album)</i>	CAS No.: 39450-01-61
TSCA Inventory:	listed (CAS 102925-54-2)	
Japan CSCL/PRTR:	not listed	
Japan ISHL:	not listed	
Korea Exist.Chem.Inventory:	not listed	

Chemical:	<i>glycerole</i>	CAS No.: 56-81-5
TSCA Inventory:	listed (1,2,3-Propanetriol)	
Exposure Routes:	inhalation, skin and/or eye contact	
Target Organs:	Eyes, skin, respiratory system, kidneys	
Symptoms:	irritation eyes, skin, respiratory system; headache, nausea, vomiting; kidney injury	
Japan CSCL/PRTR:	not listed, Japan PDSCl: not listed	
Japan ISHL:	not listed	
Korea Exist.Chem.Inventory:	KE-29297	
LD50 _{orl rat} :	12.6 g/kg	
LD50 _{drm rbt} :	>18.7 g/kg	

TRGS 905 (DE): R_F C

Safety Data Sheet

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

REF: 744310.1

NucleoMag DNA Bacteria (1x96)

Page: 9/11

Printing date: 12.05.2021

Date of issue: 03.12.2019

0.3 mL Liquid RNase A

Chemical: *di-sodium hydrogencitrate*
 TSCA Inventory: listed (CAS 144-33-2)
 Korea Exist.Chem.Inventory: not listed

CAS No.: 6132-05-4

Chemical: *RNase liquid*
 TSCA Inventory: listed
 Japan CSCL/PRTR: not listed
 Japan ISHL: not listed
 Korea Exist.Chem.Inventory: KE-30341
 LD50intraperitoneal rat : 392 mg/kg

CAS No.: 9001-99-4L

1,5 mL NucleoMag® B-Beads

Chemical: *magnetic particles, suspended in water*
 TSCA Inventory: listed (CAS 1309-38-2)

CAS No.: -

SECTION 12: Ecological information

12.1 Toxicity

Following information is valid for pure substances.

40 mL IMB Binding Buffer

Chemical: *ethyleneglycol diacetate*
 Water hazard class (DE): 1

CAS No.: 111-55-7

Chemical: *polyoxyethylene sorbitan monolaurate (Tween® 20)*
 Water hazard class (DE): 1
 Storage class (VCI): 10-11

CAS No.: 9005-64-5

60 mL IME Buffer

Chemical: *chemicals/mixture < 1%*
 Water hazard class (DE): 1
 Storage class (VCI): 12-13

CAS No.: -

60 mL IML Buffer

Chemical: *ethylendinitrilo tetraacetic acid (EDTA)*
 PNEC(fresh water) : 2.2 mg/L
 PNEC = Predicted No Effected Concentration
 LC50_{daphnia magna/48h} : [48h] 140 mg/L
 LC50_{fish/96h} : [4d] 41-1592 mg/L
 EC50_{daphnia/48h} : [24h] 480-790 mg/L
 EC10_{pseudomonas putita/16h} : [72h] 2.77-1000 mg/L
 Water hazard class (DE): 2
 Dispersion coefficient_(octanol-water) : -5.01-0.13
 Storage class (VCI): 12-13

CAS No.: 60-00-4

50 mL IMW Wash Buffer

Chemical: *acetate buffer solution*
 Storage class (VCI): 12

CAS No.: -

1.25 mL Liquid Proteinase K

Chemical: *proteinase K, liquid (origin: tritirachium album)*
 Water hazard class (DE): 1
 Storage class (VCI): 13

CAS No.: 39450-01-6I

Chemical: *glycerole*
 PNEC(fresh water) : 0.885 mg/L
 PNEC = Predicted No Effected Concentration
 LC50_{fish/96h} : >5000_{24h} mg/L

CAS No.: 56-81-5

Safety Data Sheet

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

REF: 744310.1

NucleoMag DNA Bacteria (1x96)

Page: 10/11

Printing date: 12.05.2021

Date of issue: 03.12.2019

EC50 _{daphnia/48h} :	>10 ^{24h} g/L
IC50 _{scenedesmus quadricauda/72h} :	IC50 _d >10 g/L
EC10 _{pseudomonas putida/16h} :	EC5: >10 g/L
Water hazard class (DE):	0
Dispersion coefficient _(octanol-water) :	-1.76
Storage class (VCI):	10

0.3 mL Liquid RNase A

Chemical: *di-sodium hydrogencitrate*

CAS No.: 6132-05-4

Water hazard class (DE): 1

Chemical: *RNase liquid*

CAS No.: 9001-99-4L

Water hazard class (DE): 1

Storage class (VCI): 13

1,5 mL NucleoMag® B-Beads

Chemical: *magnetic particles, suspended in water*

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. Normally it is possible to empty small amounts (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
 MN Leaflet/User manual, also see www.mn-net.com
 Look for your country-specific regulations.

Safety Data Sheet

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

REF: 744310.1

NucleoMag DNA Bacteria (1x96)

Page: 11/11

Printing date: 12.05.2021

Date of issue: 03.12.2019

15.2 Chemical safety assessment

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

16.2 Training advice

Regular safety training.

16.3 Recommended restriction on use

None

16.4 Further information

MACHEREY-NAGEL GmbH & Co. KG provides the information contained herein in good faith being up-to-date of own realizations at revision time. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgement in determining its appropriateness for a particular purpose.
MACHEREY-NAGEL GmbH & Co. KG makes NO REPRESENTATIONS or WARRANTIES, either expressed or implied, including without limitation any warranties of merchantability, fitness for a particular purpose with respect to the information set forth herein or the product to which the information refers. Accordingly MACHEREY-NAGEL GmbH & Co. KG will not be responsible for damages resulting from use of or reliance upon this information. See terms and conditions at the end of our price lists for additional information.

16.5 Sources of key data

Regulation 453/2010/EU REACH - REQUIREMENTS FOR THE COMPILATION OF SAFETY DATA SHEETS
Regulation 487/2013/EU, 4th adaptation of CLP regulation to technical and scientific progress
Regulation 669/2018/EU, 4th adaptation of CLP regulation to technical and scientific progress
Regulation 1480/2018/EU, 4th 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