# MACHEREY-NAGEI



# Safety Data Sheet

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

REF: 740741.2	NucleoSpin 96 Tissue (2x96)	Page: 1/13
Printing date: 12.05.2021	Date of issue: 21.09.2020	

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

1.1 **Product identifier** 

> REF Product name

740741.2 NucleoSpin 96 Tissue (2x96)

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 B5
1 x 60 mL BE
1 x 50 mL BQ1
1 x 125 mL BW
1 x 8 mL PB
2 x 75 mg Proteinase K (Iyo)
1 x 50 mL T1

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

#### 1.4 Emergency telephone number

Outside Germany (DE): Call your regional Poisons Information Service or call local Life Saving Service. DE: Gemeinsames Giftinformationszentrum (GGIZ) 99089 Erfurt tel. +49 361 730 730

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

## **SECTION 2: Hazard identification**

#### 2.0 Classification of the complete product



HS02

Signal word	DANGER
Hazard identification	Hazard classes/categories
H226	Flam. Liq. 3
H302	Acute Tox. 4 oral
H315	Skin Irrit. 2
H319	Eye Irrit. 2
H334	Resp. Sens. 1
H336, H335	STOT SE 3

#### 2.1 Classification of the substance or mixture

### 100 mL B5

Do not need labelling as hazardous

ACHEREY-NAGE (MN> ISO 9001 CERTIFIEI

MACHEREY-NAGEL GmbH & Co. KG · Neumann-Neander-Str. 6-8 · 52355 Düren · Germany DE/international: CH: FR: Tel.: +49 24 21 969-0 Tel.: +41 62 388 55 00 Tel.: Fax: +49 24 21 969-199 Fax: +41 62 388 55 05 Fax: Version: M V 4.12.0 E-mail: info@mn-net.com E-mail: sales-ch@mn-net.com

+33 388 68 22 68 +33 388 51 76 88 E-mail: sales-fr@mn-net.com

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

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

US: Tel.: +1 484 821 0984 Fax: +1 484 821 1272 E-mail: sales-us@mn-net.com

# **MACHEREY-NAGEI**



# Safety Data Sheet

# according to Populations 1907/2006/EC (REACh) and 2015/830/EU

REF: 740741.2 Printing date: 12.05.2021	NucleoSpin 96 Tissue (2x96) Date of issue: 21.09.2020	Page: 2/13
Signal word	-	
No hazard class		
60 mL BE		
	Do not need labelling as hazardous	
Signal word	-	
No hazard class		
50 mL BQ1		
	$\Diamond$	
	GHS07	
Signal word	WARNING	
Hazard identification	Hazard classes/categories	
H302 H315 H319	Acute Tox. 4 oral Skin Irrit. 2 Eye Irrit. 2	
125 mL BW		
	GHS02 GHS07	
Signal word	WARNING	
Hazard identification	Hazard classes/categories	
H226	Flam. Liq. 3	
H302 H319	Acute Tox. 4 oral Eye Irrit. 2	
H336, H335	STOT SE 3	
8 mL PB		
Signal word	Do not need labelling as hazardous -	
No hazard class		
75 mg Proteinase K (Iyo)		
	$\wedge \wedge$	
Signal word	GHS07 GHS08 DANGER	
Hazard identification	Hazard classes/categories	
H315	Skin Irrit. 2	
H319 H334	Eye Irrit. 2 Resp. Sens. 1	
		www.mn-net.

DE/international: \_\_{MN> Tel.: +49 24 21 969-0 ISO 9001 CERTIFIED

MACHEREY-NAGE

Fax: +49 24 21 969-0 Fax: +49 24 21 969-199 Version: M V 4.12.0 E-mail: info@mn-net.com

CH: Tel.: +41 62 388 55 00 Fax: +41 62 388 55 05 E-mail: sales-ch@mn-net.com

FR: Tel.: +33 388 68 22 68 Fax: +33 388 51 76 88 E-mail: sales-fr@mn-net.com

US: Tel.: +1 484 821 0984 Fax: +1 484 821 1272 E-mail: sales-us@mn-net.com



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

REF: 740741.2	NucleoSpin 96 Tissue (2x96)	Page: 3/13
Printing date: 12.05.2021	Date of issue: 21.09.2020	

### 50 mL T1

Signal word

Do not need labelling as hazardous

No hazard class

#### 2.2 Label elements

According CLP directive inner packages must be only labelled with GHS symbol(s) and product identificator(s) (EU 1272/2008 Annex I - 1.5.1.2).

Harmful chemicals/mixtures with signal word: WARNING and highly flammable chemicals/mixtures must not be labelled with H and P phrases until 125 mL (EU 1272/2008 Annex I - 1.5.2). This labelling exemption is NOT valid for sensibilizing substances. The irritant hazard should be eliminated, because of buffer chemicals inside.

### 100 mL B5

Do not need labelling as hazardous Signal word: -

### 60 mL BE

Do not need labelling as hazardous Signal word: -

### 50 mL BQ1



Signal word: WARNING

### 125 mL BW



Signal word: WARNING

### 8 mL PB

Do not need labelling as hazardous Signal word: -

### 75 mg Proteinase K (Iyo)



Signal word: DANGER

### H334

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

P261sh, P342+311 Avoid breathing dust/vapours. If experiencing respiratory symptoms: Call a POISON CENTER/doctor.



MACHEREY-NAGEL GmbH & Co. KG · Neumann-Neander-Str. 6-8 · 52355 Düren · Germany DE/international: CH: FR: Tel.: +49 24 21 969-0 Tel.: +41 62 388 55 00 Tel.: +33 388 68 22 68 Fax: +49 24 21 969-199 Fax: +41 62 388 55 05 Fax: +33 388 51 76 88 Version: M V 4.12.0 E-mail: info@mn-net.com E-mail: sales-ch@mn-net.com E-mail: sales-fr@mn-net.com www.mn-net.com

US:

Tel.:

Fax:

+1 484 821 0984

+1 484 821 1272

E-mail: sales-us@mn-net.com



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

REF: 740741.2	NucleoSpin 96 Tissue (2x96)	Page: 4/13
Printing date: 12.05.2021	Date of issue: 21.09.2020	

### 50 mL T1

Do not need labelling as hazardous Signal word: -

#### 2.3 Other hazards

Possible hazards from physicochemical properties

In the case of pH values are less than 5 or higher than 9 then it is irritant. Flammable properties. ---

Information pertaining to particular risks to human and possible symptoms Cause after oral intake, impairments of health when ingested in small quantities. Kit contains small amounts of enzymes: May cause allergy or asthma symptoms or breathing difficulties if inhaled. -

Information pertaining to particular risks to the environment PBT: not applicable vPvB: not applicable

Other hazards

### **SECTION 3: Composition/information on ingredients**

#### 3.1 Substances or 3.2 Mixtures

### 100 mL B5

TOO IIIE DO				
Chemi		als/mixture < 1%		CAS No.: -
Classit	fication:	No criteria for classification or nam	ning of chemical not required.	
TSCA	Inventory:	all listed, <1%		
KE No	.: .	listed		
Conce	ntration:	0.1 - <1 %		
acc. C	LP (GHS):	The criteria for classification are no	ot fulfilled.	
60 mL BE		ala lasiste una della		
Chemi		als/mixture < 1%		CAS No.: -
•	ication:	No criteria for classification or nam	ing of chemical not required.	
	Inventory:	all listed, <1%		
KE No		listed		
•	ntration:	0.1 - <1 %		
acc. C	LP (GHS):	The criteria for classification are ne	ot fulfilled.	
50 mL BQ1				
Chemi	9	ine hydrochloride		CAS No.: 50-01-1
Classi	ication:	H302, Acute Tox. 4 oral, H3	315, Skin Irrit. 2, H319, Eye Irrit.	. 2
Formu	la:	CH <sub>6</sub> CIN <sub>3</sub>		
Pseud	onym:	quanidinium chloride		
TSCA	Inventory:	listed		
	H Reg. No.:	01-2119977063-35-0005		
EC No		200-002-3	Indice No.:	607-148-00-0
RTEC		MF4300000	MFCD:	00013026
KE No		KE-18111	WI OD.	00010020
	ntration:	50 - <66 %		
•		•• •• ••	215 Skip Irrit 2 U210 Evo Irrit	0
acc. C	LP (GHS):	11302, Acute T0X. 4 01al, H	315, Skin Irrit. 2, H319, Eye Irrit.	<u>ک</u>
125 mL BW				

125 mL E

Chemical: guanidine hydrochloride CAS No.: 50-01-1 H302, Acute Tox. 4 oral, H315, Skin Irrit. 2, H319, Eye Irrit. 2 Classification: Formula: CH<sub>6</sub> CIN<sub>3</sub> Pseudonym: guanidinium chloride TSCA Inventory: listed REACH Reg. No.: 01-2119977063-35-0005 200-002-3 607-148-00-0 EC No .: Indice No · RTECS: MF4300000 MFCD: 00013026 KE No.: KE-18111 Concentration: 36 - <50 % acc. CLP (GHS): H302, Acute Tox. 4 oral, H319, Eye Irrit. 2



MACHEREY-NAGEL GmbH & Co. KG · Neumann-Neander-Str. 6-8 · 52355 Düren · Germany DE/international: CH: FR: US: Tel.: +49 24 21 969-0 Tel.: +41 62 388 55 00 Tel.: +33 388 68 22 68 Tel.: +1 484 821 0984 Fax: +49 24 21 969-199 Fax: +41 62 388 55 05 Fax: +33 388 51 76 88 Fax: +1 484 821 1272 Version: M V 4.12.0 E-mail: info@mn-net.com E-mail: sales-ch@mn-net.com E-mail: sales-fr@mn-net.com E-mail: sales-us@mn-net.com



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

REF: 740741.2		NucleoSpin 96 Tissue	e (2x96)		Page: 5/13	
Printing date: 12.05.2021		Date of issue: 21.09.2	2020			
Cla For Pse TS	emical: 2-prop. assification: rmula: eudonym: iCA Inventory: EACH Reg. No.:	anol H225, Flam. Liq. 2, H319, Eye Irrit. C <sub>3</sub> H <sub>8</sub> O isopropanol, IPA, propan-2-ol listed 01-2119457558-25-XXXX	2, H336, STOT SE 3	CAS No.: 67-63-0		
EC RT KE Coi	C No.: ECS: No.: No.: ncentration: c. CLP (GHS):	200-661-7 NT8050000 KE-29363 20 - <35 % H226, Flam. Liq. 3, H319, Eye Irrit.	Indice No.: MFCD: 2, H336, STOT SE 3	603-117-00-0 00011674		
Cla	emical: <i>glycerc</i> assification:	ble No criteria for classification or naming of ch	emical not required.	CAS No.: 56-81-5		
Pse TSI RE EC RT KE Col	rmula: eudonym: CA Inventory: EACH Reg. No.: > No.: ECS: = No.: oncentration: c. CLP (GHS):	$\begin{array}{l} C_3  H_8  O_3 \\ glycerin,  1,2,3\mbox{-}propanetriol \\ listed (1,2,3\mbox{-}Propanetriol) \\ 01\mbox{-}2119471987\mbox{-}18\mbox{-}xxxx \\ 200\mbox{-}289\mbox{-}5 \\ MA8050000 \\ KE\mbox{-}29297 \\ 10\mbox{-}<50\mbox{\%} \\ The criteria for classification are not fulfilled \\ \end{array}$	Indice No.: MFCD:	n/a 00004722		
Cho Cla For	einase K (Iyo) emical: protein assification: rmula: iCA Inventory:	ase <i>K (origin: tritirachium album)</i> H315, Skin Irrit. 2, H319, Eye Irrit. 3 Enzyme Comm. No. 3.4.21.64, <sub>origin</sub> listed (CAS 102925-54-2)		CAS No.: 39450-01-6		
EC RT KE Coi	C No.: ECS: No.: oncentration: c. CLP (GHS):	- not listed 90 - <100 % H315, Skin Irrit. 2, H319, Eye Irrit. :	Indice No.: MFCD: 2, H334, Resp. Sens. 1	647-014-00-9 00132129		
50 mL T1						
Cla TSI KE Coi	nemical: chemic assification: ICA Inventory: I No.: I No.: I No.: C. CLP (GHS):	cals/mixture < 2% No criteria for classification or naming of ch all listed, <2% listed 1 - <2 % The criteria for classification are not fulfilled		CAS No.: -		
.3 Remarks	sted mixtures are	added with water [CAS No. 7732-18	-5] to 100%			
		-	-0] 10 100 /0.			
List of H and	d P phrases: see s					

### **SECTION 4: First aid measures**

#### 4.1 Description of first aid measures Place insured person out of danger zone to fresh air immediately. Ensure quiet, warmth, and provide resuscitation if necessary. If necessary contact medical advice. Take to a doctor, in a raised position if there are breathing difficulties.

4.1.1 After SKIN Contact

Remove contaminated clothing. Rinse the affected skin or mucous membrane thoroughly under running water. (If possible) use soap.

#### 4.1.2 After EYE Contact

After contact with the eyes rinse thoroughly under running water with the eyelid wide open with eye washing bottle, eye douche or running water (protect intact eye).

#### 4.1.3 After INHALATION of vapours

After inhalation of foam or vapour fresh air should be inhaled. Keep airways free. Administer a Dexamethasone spray as soon as possible. Ensure quiet, warmth, and provide resuscitation if necessary. In the event of respiratory distress ensure that the patient inhales oxygen. Secure the breathing, heart and circulatory function. ---

www.mn-net.com



MACHEREY-NAGEL GmbH & Co. KG · Neumann-Neander-Str. 6-8 · 52355 Düren · Germany DE/international: CH: FR: US: Tel.: +49 24 21 969-0 Tel.: +41 62 388 55 00 Tel.: +33 388 68 22 68 Tel.: +1 484 821 0984 Fax: +49 24 21 969-199 Fax: +41 62 388 55 05 Fax: +33 388 51 76 88 Fax: +1 484 821 1272 Version: M V 4.12.0 E-mail: info@mn-net.com E-mail: sales-ch@mn-net.com E-mail: sales-fr@mn-net.com E-mail: sales-us@mn-net.com



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

REF: 740741.2	NucleoSpin 96 Tissue (2x96)	Page: 6/13
Printing date: 12.05.2021	Date of issue: 21.09.2020	

#### 4.1.4 After ORAL Intake

After oral intake lots of water should be drunk after it has been ingested. ---

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

Chronic Effects: May cause sensitization by skin contact, also in repeated contact of small amounts. May cause allergy or asthma symptoms or breathing difficulties if inhaled. ---

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

Inform patient respectively further measures and the possibility of long-term damages. ---

## 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 WARNING: Flammable (GHS regulation). May form explosive vapour-air mixtures. Formation of hazardous and caustic vapour-air mixtures possible.

#### 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. Regular staff training is necessary, indicating hazards and precautions on the basis of operating instructions. Restrictions on activity must be observed.

#### 6.2 **Environmental precautions** not necessary

### 6.3 Methods and material for containment and cleaning up Bind any escaping liquid with inert absorbent. And dispose in accordance to local regulations for the disposal of hazardous chemicals. Clean any contaminated equipment and floors with plenty of water. Collect small amounts of leaked liquid and flush with water into drains.

#### 6.4 Reference to other sections

## **SECTION 7: Handling and storage**

#### 7.1 Precautions for safe handling

Handling in accordance with the test instruction, that comes with the product. Use only in well-ventilated working areas.

7.2	Conditions for safe storage, including any incompatibilities		
	The original product package of MACHEREY-NAGEL allows a safe storage.		
	Storage class (VCI):	3	
	Water hazard class (DE):	1	
7.2.1	Requirements for stock rooms an Keep original product packages tigh	<b>d containers</b> ily 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 B5 Chemical: chemicals/mixture < 1%

CAS No .: -

ACHEREY-NAGE  $\langle MN \rangle$ ISO 9001 CERTIFIEI

MACHEREY-NAGEL GmbH & Co. KG · Neumann-Neander-Str. 6-8 · 52355 Düren · Germany DE/international: CH: FR: Tel.: +49 24 21 969-0 Tel.: +41 62 388 55 00 Tel.: +33 388 68 22 68 Fax: +49 24 21 969-199 +41 62 388 55 05 Fax: +33 388 51 76 88 Fax: E-mail: sales-ch@mn-net.com E-mail: sales-fr@mn-net.com

US: Tel.: +1 484 821 0984 +1 484 821 1272 Fax: E-mail: sales-us@mn-net.com



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

REF: 740741 Printing date:			NucleoSpin 96 Tis Date of issue: 21.0	
Frinting date.	12.03.2021		Date of issue. 21.0	5.2020
	60 mL BE Chemical:	chemicals/mixt	ure < 1%	CAS No.: -
	50 mL BQ1 Chemical: DNEL: DNEL	guanidine hydro	[inh] 3.5 mg/m <sup>3</sup>	CAS No.: 50-01-1
	PNEC <sub>(fresh w</sub> PNEC	vater): = Predicted No Effec	- ted Concentration	
	NIOSH: [TWA] OSHA:	Time-weighted avera	not listed age to a reference period of 8 hours, [STEL not listed	Short-term exposure limit related to a 15-minute period
	<b>125 mL BW</b> Chemical: DNEL: <sub>DNEL</sub>	guanidine hydr	[inh] 3.5 mg/m <sup>3</sup>	CAS No.: 50-01-1
	NIOSH:		not listed	Short-term exposure limit related to a 15-minute period
	OSHA:	-	not listed	
	Chemical: DNEL:	2-propanol = Derived No-Effect I	[inh] 500 mg/m <sup>3</sup> Level (for workers)	CAS No.: 67-63-0
	TRGS 900 (	DE):	200 ppm / 500 mg/m³ E/e respirable	
	skin r		atory sensitizable (Sa), skin sensitizable (Sh	), teratogenic (Z) not securely excluded / (Y) certainly excluded
	SUVA(CH) N TRGS 903 (I	DE):	200 ppm / 500 mg/m <sup>3</sup> [Aceton B/b, U/b] 25 mg/L B blood, U urine, a no limitation, b end o	exposition or shift
		Time-weighted avera	[TWA] 400 ppm / 980 mg/m <sup>3</sup> 500 ppm / 1225 mg/m <sup>3</sup> age to a reference period of 8 hours, [STEL [TWA] 400 ppm / 980 mg/m <sup>3</sup>	Short-term exposure limit related to a 15-minute period
	8 mL PB			
	Chemical: DNEL:	glycerole = Derived No-Effect I	[inh] 56 mg/m³ Level (for workers)	CAS No.: 56-81-5
	PNEC <sub>(fresh w</sub> PNEC TRGS 900 (I		200 E mg/m <sup>3</sup>	
	Short-term e	exposure factor:	E/e respirable 2 (I), Y atory sensitizable (Sa), skin sensitizable (Sh	), teratogenic (Z) not securely excluded / (Y) certainly excluded
	SUVA(CH) N	MAK value:	50 e* mg/m³	
	75 mg Prote Chemical: SUVA(CH) M		origin: tritirachium album) 0,00006 <sub>15min</sub> mg/m³	CAS No.: 39450-01-6
	<b>50 mL T1</b> Chemical:	chemicals/mixt	ure < 2%	CAS No.: -
Go		and extraction sy		chemicals with floor drainage and washing facilities. The highes
leve .2.1		ss must be maint <b>protection</b>	ained at the workplace.	



MACHEREY-NAGEL GmbH & Co. KG · Neumann-Neander-Str. 6-8 · 52355 Düren · Germany US: DE/international: CH: FR: +41 62 388 55 00 +41 62 388 55 05 Tel.: +49 24 21 969-0 Tel.: Tel.: +33 388 68 22 68 Tel.: +1 484 821 0984 +49 24 21 969-199 Fax: Fax: Fax: +33 388 51 76 88 Fax: +1 484 821 1272 Version: M V 4.12.0 E-mail: info@mn-net.com E-mail: sales-ch@mn-net.com E-mail: sales-fr@mn-net.com E-mail: sales-us@mn-net.com



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

REF: 740741.2	NucleoSpin 96 Tissue (2x96)	Page: 8/13
Printing date: 12.05.2021	Date of issue: 21.09.2020	

Use for open access of these substances for example a protection filter, class A/AX. No additional recommendations.

#### 8.2.2 Hand protection

Yes, gloves according EN 374 (permeation time >30 min - level 2), consist of PVC, natural latex, Neopren, or Nitril (f.ex. from Ansell or KCL). Use for short times chemical resistant latex gloves with code EN 374-3 level 1.

#### Eye protection 8.2.3

Yes, safety glasses according EN 166 with integrated side shields or wrap-around protection.

8.2.4 Skin protection Recommended to avoid contamination with these hazards.

#### 8.2.5 Personal hygiene

100 ml B5

Eating, drinking, smoking, taking snuff and storage of food in work areas and at outdoor workplaces is prohibited. Avoid contact with the skin, eyes and clothing. Rinse any clothing on which the substance has been spilled, and soak it in water. Wash hands thoroughly with soap and water when stopping work and before eating, and then apply protective skin cream.

### **SECTION 9: Physical and chemical properties**

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

Appearance: liquid pH: Specific gravity:	Colour: colourless 7-8 1.00 g/cm³	Odor: odorless
<b>60 mL BE</b> Appearance: liquid pH: Specific gravity:	Colour: colourless 8-9 1.0 g/cm³	Odor: odorless
<b>50 mL BQ1</b> Appearance: liquid pH: Specific gravity:	Colour: colourless 4.5-5.2 1.18 g/cm³	Odor: odorless
<b>125 mL BW</b> Appearance: liquid pH: Flash point: Specific gravity:	Colour: colourless 7-8 25 °C 1.06 g/cm³	Odor: alcoholic
<b>8 mL PB</b> Appearance: liquid Specific gravity:	Colour: colourless 1.11 g/cm³	Odor: alcoholic
<b>75 mg Proteinase K (Iyo)</b> Appearance: solid (lyoph.)	Colour: slightly grey	Odor: odorless
<b>50 mL T1</b> Appearance: liquid pH: Specific gravity:	Colour: colourless 7.5-8.5 1.02 g/cm³	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** 



MACHEREY-NAGEL GmbH & Co. KG · Neumann-Neander-Str. 6-8 · 52355 Düren · Germany DE/international: CH: Tel.: +49 24 21 969-0 Tel.: Fax: +49 24 21 969-199 Fax: Version: M V 4.12.0 E-mail: info@mn-net.com

+41 62 388 55 00 +41 62 388 55 05 E-mail: sales-ch@mn-net.com FR: Tel.: +33 388 68 22 68 Fax: +33 388 51 76 88 E-mail: sales-fr@mn-net.com

US: Tel.: +1 484 821 0984 Fax: +1 484 821 1272 E-mail: sales-us@mn-net.com



#### arding to Degulation 4007/0000/EO (DEAOL) -

	740741.2 a data: 12.05.2021		5pin 96 Tissue (2x96) issue: 21.09.2020	Page: 9/1
	g date: 12.05.2021		Issue. 21.09.2020	
SECT	FION 10: Stability and re	eactivity		
10.1	<b>Reactivity</b> no further data available.			
10.2	Chemical stability No known instability.			
10.3	<b>Possibility of hazardous</b> Note: Can form very reactive subs		ents. No further data available.	
10.4	Conditions to avoid			
10.5	Incompatible materials Avoid contact with strong acids or	alkalines.		
10.6	Hazardous decompositio	n products		
	In the original package all parts/a period under recommended cond	Il reagents are safety and itions.	d separated stored. Decompositions are	e not observed during the expiration
SECI	ΓΙΟΝ 11: Toxicological i	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.			
	100 mL B5			
	Chemical: chemic TSCA Inventory: Korea Exist.Chem.Inventory:	als/mixture < 1% all listed, <1% listed	CA	S No.: -
	60 mL BE			
	Chemical: chemic TSCA Inventory: Korea Exist.Chem.Inventory:	als/mixture < 1% all listed, <1% listed	CA	S No.: -
	50 mL BQ1			
	TSCA Inventory: Australia NICNAS: Japan CSCL/PRTR: Japan ISHL: South Korea TCCA: Korea Exist.Chem.Inventory: LD50 <sub>orl rat</sub> : LC50 <sub>thl rat</sub> : LD50drm rbt:	not listed not listed, Japan PDSC not listed KE-18111 475-907 mg/kg [4h] 3181-7655 µg/m <sup>3</sup> 2000 mg/kg	alifornia Proposition 65 List: not listed Canada CEPA 1999: DSL yes	.S No.: 50-01-1 es.
	125 mL BW			
		not listed not listed, Japan PDSC not listed not listed	alifornia Proposition 65 List: not listed Canada CEPA 1999: DSL yes	S No.: 50-01-1

LD50<sub>orl rat</sub> : 475-907 mg/kg LC50ihl rat : [4h] 3181-7655 µg/m<sup>3</sup> LD50drm rbt : 2000 mg/kg Acute Effects: Cause after oral intake, impairments of health when ingested in small quantities.



MACHEREY-NAGEL GmbH & Co. KG · Neumann-Neander-Str. 6-8 · 52355 Düren · Germany US: DE/international: CH: FR: +49 24 21 969-0 +49 24 21 969-199 Tel.: +41 62 388 55 00 Tel.: +49 24 21 969-0 Tel.: +33 388 68 22 68 Tel.: +41 62 388 55 05 Fax: Fax: Fax: +33 388 51 76 88 Fax: E-mail: sales-ch@mn-net.com E-mail: sales-fr@mn-net.com

+1 484 821 0984 +1 484 821 1272 E-mail: sales-us@mn-net.com



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

Chemical:       2-program       CAS No.: 67-63-0         TSCA Inventory:       Listed       California Proposition 65 List: not listed         ACOH:       Tage Organical       California Proposition 65 List: not listed         ACOH:       Tage Organical       California Proposition 65 List: not listed         Appendix Construction       Tage Organical       California         Appendix Construction       California Proposition 65 List: not listed         Appendix Construction       California       California         Appendix Construction       California       California         Appendix Construction       California       California         Appendix Construction       Statistic Instruction       California         Appendis Instruction	REF: 740741.		NucleoSpin 96 Tissue (2x96)	Page: 10/13
TSCA Inventory:       Listed California Proposition 65 List: not listed         Explorer Routes:       Lindiation, ingestion, skin and/or eye contact         Type of the contact       Explorer Routes:         Australian INCNAS:       Canada CEPA 1999: DSL yes         Japan ISHL:       Lindiation, ingestion, skin and/or eye contact         TSCA Inventory:       K.2 gan PDSCL:         Japan ISHL:       Lindiation, and the contact         TSCA Inventory:       K.2 gan PDSCL:         TSCA Inventory:       K.2 gan PDSCL:         Contact CEPA 1999:       CAS No: 56-81-5         Stack Morea TCCA:       Stack montact in the contact         Morea CEPA       Bapan ISHL:       Lindiation and the contact         TSCA Inventory:       Lindiation, resplication system: headache, nausea, vomiling; kidney injury         Japan CSCL/PRTR:       not listed         TSCA Inventory:       Listed it         Krase Exist.Chem.Inventory:       KE 20237         LDSMum and:       not listed         Krase Subst.Chem.Inventory:       Listed it         Japan CSCL/PRTR:       not listed         TSCA Inventory:       listed (TAS 2000 Head 1990)         CAS No: 50-81-5       Stack Inventory:         Japan CSCL/PRTR:       not listed         Krase Exis	Printing date:	12.05.2021	Date of issue: 21.09.2020	
ACGIN:       1230 ppm         Exposure Routes:       inhaliation, ingestion, skin and/or eye contact         Targel Organs:       Eyes, skin, respiratory system         Symptoms:       inhaliation, ingestion, skin and/or eye contact         Appan CSULPRITE:       PAC yes, Jagan PDSUC:         Appan CSULPRITE:       PAC yes, Jagan PDSUC:         South Kores TCCA:       South Kores TCCA:         Keese Exist Cheminemicent with the state of the				: 67-63-0
Exposure Routes: inhalation, ingestion, skin and/or eye context Symptoms: instruction eyes, nose, throat, drowsiness, dzziness, headache; dy cracking skin; in animals: naroosis Markania WCNAP Jugan ISHL: Chem. Inventory: KE-29803 LC Lowis: Inn: S707 mg/Ng LC Lowis: Inneation: S807 m				
Targel Organs:       Eyes, skin, respiratory system         Symptomic       Canada CEPA 1999: DSL yes         Symptomic       Canada CEPA 1999: DSL yes         Symptomic       Canada CEPA 1999: DSL yes         Symptomic       DSL yes         Symptomic       Soft Morea         Constraint       Soft Morea         Soft Morea       Soft Morea         Trade Organs:       F28 Soft Morea         Constraint       Soft Morea         Soft Morea       Intel Soft Morea         Morea       Intel Soft Morea         Soft Morea       Intel Soft Morea				
Symptoms: inflation eyes, nose, throat, drownless, dizziness, headache; dy cracking skin, in animalis: narcosis diapan CSCUPRTR: PAC yes, Japan PDSCL: - diapan ISH. Co. 109420. 1%, Antole 57-2 (SDS required) Revealed State Chem.Inventory: KE-23933 LS9 <sub>04-trait</sub> : 5045 mg/kg LG_Lowait twi: 5955 mg/kg LG_Soluriant: 12.8 g/kg TRGS 905 (DE): Re C <b>SINL PB</b> Chemical: glycerole CAS No: 56-81-5 TSCA Investroation: Yes, Soluriant: CAS No: 79-80-81 Japan ISHL: no tolisted Korea Exist Chem.Inventory: KE-22907 LD50 <sub>0477</sub> rest. Traited (CAS 102225-54-2) LD50 <sub>04778</sub> rest. 71, 72-6 g/kg LD50 <sub>047787</sub> not listed Japan ISHL: no tolisted Acute Effect: Nause after Impairments of health when ingested in small quantifies. Chemical: Cause after Impairments of health when ingested in small quantifies. <b>Storea Exist Chem.Inventory:</b> Isided Korea Exist Chem.Inventory: Isided <b>Storea Exist Chem.Inventory:</b> Isi		Target Organs:	Eyes, skin, respiratory system	
Japan CSLUPRTR:       PAC yes, Japan PDSCL:         Japan CSLUPRTR:       Isted 21 (30%20,1%, Anticle 57-2 (SDS required))         South Korea TCCA:       South Korea TCCA:         Korea Exist Chem.Inventory:       KE-29363         LDSUm at:       S045 mg/kg         LDSUm at:       10:0 g/m         LDSUm at:       10:1 g/m         Targe Organs:       Eyes, skin, respiratory system, itendatche, nausea, vomiting; kidney injury         Japan CSCL/PRTR:       not listed         Korea Exist Chem.Inventory:       KE-29287         LDSQum at:       not listed         Korea Exist Chem.Inventory:       KE-29287         LDSQum at:       not listed         Korea Exist Chem.Inventory: not listed       Korea Exist Chem.Inventory: not listed         Korea Exist Chem.Inventory:       Isted 4         Korea Exist Chem.Inventory:       Isted 4 <t< td=""><td></td><td>Symptoms:</td><td>irritation eyes, nose, throat; drowsiness, dizziness, headache; dry cra</td><td>acking skin; in animals: narcosis</td></t<>		Symptoms:	irritation eyes, nose, throat; drowsiness, dizziness, headache; dry cra	acking skin; in animals: narcosis
Jajan ISHL: Itsled 21.0%/20.1%, Article 57-2 (SDS required) Sequences of the constraint of the constr				
South Korea TCCA: Korea Exist Cheminwentory: KE-29363 LD 500min: 5045 mg/kg LC Loweri hum: 3570 mg/kg LC Downin the: 12.9 g/kg TROS 905 (DE): RF C <b>9 mL PB</b> Chemical: glycerole CAS No: 56-81-5 Target Organs: LPses skin, respiratory system, kidneys Symptome: Function eyes, skin, respiratory system, kidneys Japan CSCL/PRTE: not listed Japan ISHL: not listed Korea Exist Cheminuventory: KE-29267 LD 50minut :: 2-16.7 g/kg TROS 905 (DE): RF C <b>7 mg Proteinase</b> K ( <i>origin: thirachium album</i> ) CAS No: 39450-01-6 TSCA Inventory: Insted (CAS 102925-64-2) Japan ISHL: not listed Korea Exist Cheminuventory: Instead (CAS 1020-54-2) Japan ISHL: not listed Korea Exist Cheminuventory: Instead (CAS 1020-54-2) Japan ISHL: not listed Korea Exist Cheminuventory: Instead (CAS 1020-54-2) Japan ISHL: not listed Korea Exist Cheminuventory: Islead (CAS 100-54-2) Dister Cheminus chemicals/mixture < 1% Korea Exist Cheminus chemicals/mixture < 1% Korea Exist Cheminus chemicals/mixture < 1% Korea Exist Cheminus (CE): 12-13 Bornge class (VCI): 12-13 Storage class (VCI): 12-13				
LD50ortmate:::::::::::::::::::::::::::::::::::		South Korea TCCA:		
LC_Lowgramming 3570 mg/kg LS56mmin i: 12.8 g/kg TRS9 065 (DE): Rr C S mL PB Memoiat: g/ycerole CAS No.: 56-81-5 TSCA Inventory: islated (1,2,3-Propanetrico) CAS No.: 56-81-5 TSCA Inventory: islated (1,2,3-Propanetrico) September Route Section Sect				
Lidoburn in: 128 ykrg TRGS 905 (DE): R; C SINL PB Mennicat: glocomin the state of 12, 3-Propanetriol) CAS No: 58-81-5. So Inventory: Kisted (12, 3-Propanetriol) Symptoms: Lies, with nearly of operations of the state of t				
LDS0dmr.tt: 12.8 g/kg TRCS 905 (DE): Rr C <b>5 mL PB</b> Chemical: glycorole CAS No.: 56-81-5 SCA Inventory: listed (12.3-Propanetrol) CAS No.: 56-81-5 Target Organs: Eyes, skin, respiratory system, kidneys Supports Ruthalson, skin and/or eye contact Target Organs: Interview in the separatory system, kidneys Target Organs: 12.6 g/kg LD50ptrate: 12.6 g/kg LD50p				
TRCS 905 (DE);       F. C.         Son DEB       CAS No: 56-81.5         Term Routes:       Island 12.3.2 Proparation         Case of the Routes:       Intelline events, skin, respiratory system, independence, nausea, vomiting; kidney injunt.         Case of the Routes:       Intelline events, skin, respiratory system, independence, nausea, vomiting; kidney injunt.         Case of the Routes:       Intelline events, skin, respiratory system, independence, nausea, vomiting; kidney injunt.         Descenter:       Intelline events, skin, respiratory system, independence, nausea, vomiting; kidney injunt.         Case of the Intelline events, skin, respiratory system, independence, nausea, vomiting; kidney injunt.       Intelline events, skin, respiratory system, independence, nausea, vomiting; kidney injunt.         Case of the Intelline events.       Intelline events, skin, respiratory system, independence, nausea, vomiting; kidney injunt.         Case of the Intelline events.       Intelline events.       Intelline events.         Def Def D       Memora:       Anternation events.         Case Exist Chem.Inventory:				
Chemical: glycerole CAS No. :56-81-5 Trock Inventory: Routes: initialation, skin and/or eye contract Targel Organs: Expession Routes: initialation, skin and/or eye contract Targel Organs: Expession Routes: initialation, skin and/or eye contract Targel Organs: Expession Routes: initialation skin and/or eye contract Targel Organs: initialation, skin and/or eye contract Japan CSCL/PRTF: no not listed Japan CSCL/PRTF: no not listed. Japan PDSCL: not listed LDS0 <sub>dm1</sub> nt: 12.6 g/kg LDS0 <sub>dm1</sub> nt: 216.6 g/kg LDS0 <sub>dm1</sub> nt: 116.6 g/kg LDS0 <sub>dm1</sub> nt: 116.6 g/kg Japan CSCL/PRTF: no listed Japan CSCL/PRTF: no listed Japan CSCL/PRTF: no listed Acute Effects: Chem.Inventory: listed Stoch Inventory: all listed, -2% Korea Exist.Chem.Inventory: listed Stoch Inventory: all listed, -2% Korea Exist.Chem.Inventory: listed Stoch Inventory: all listed, -2% Korea Exist.Chem.Inventory: listed Chemical: chemicals/mixture < 7% Mater hazard class (DE): 1 Storage class (VCI): 12-13 Storage class (VCI): 12-13 Storage class (VCI): 12-13		TRGS 905 (DE):	R <sub>F</sub> C	
Chemical: glycorole CAS No: 56-81-5 Triged Organs: Expession Routes: initialition, skin and/or eye contract Targed Organs: Expession Routes: initialition, skin and/or eye contract Targed Organs: Expession Routes: initialition, skin and/or eye contract Targed Organs: Expession Routes: initialition (1996) State (1997) Symptoms: initialition (1996) State (1997) Tense Exist Chem.Inventory: KE-292937 TRGS 905 (DE): RF C <b>75 ng Proteinase K (Iyo)</b> Chemical: proteinase K (origin: trilirachium album) CAS No: 39450-01-6 TSCA Inventory: listed (2AS 102925-54-2) Japan CSCL/PRTF: not listed Japan CSCL/PRTF: not listed Chemical: proteinase K (origin: trilirachium album) CAS No: 39450-01-6 TSCA Inventory: listed (CAS 102925-54-2) Japan CSCL/PRTF: not listed Acute Effects: Cause after impairments of health when ingested in small quantities. Chemical: chemicals/inixture < 2% Korea Exist.Chem.Inventory: not listed Stora Exist.Chem.Inventory: all listed, <2% Korea Exist.Chem.Inventory: all listed, <2% Korea Exist.Chem.Inventory: listed <b>Stora II</b> Chemical: chemicals/inixture < 2% Korea Exist.Chem.Inventory: listed <b>Storage</b> class (VCI): 12-13 <b>Storage</b> class (VCI): 12-13 <b>Storage</b> class (VCI): 12-13	8 r	nL PB		
TSCA Inventory:       listed (1,2,3-Propanetriol)         Exposure Routes:       initiation, skin and/or eye contact         Target Organs:       Eyes, skin, respiratory system, kidneys         Symptoms:       initiation eyes, skin, respiratory system, headache, nausea, vomiting; kidney injury         Japan ISHL:       not listed         Japan ISHL:       not listed         Japan ISHL:       not listed         LDS0dm rat:       12.6 g/kg         LDS0dm rat:       14.8 g/kg         TRCS 905 (DE):       R=C <b>75 mg Proteinase K (lyo)</b> CAS No.: 39450-01-6         CSCA Inventory:       listed (12.3 f02925-54-2)         Japan ISHL:       not listed         Japan CSCUPRTR:       not listed         Japan ISHL:       not listed         Chronicit:       for listed         Contrestin:		Chemical: glycero		: 56-81-5
Target Organs:       Eyes, skin, respiratory system, kidneys.         Japan (SRL):       not listed         Japan (SRL):       not listed         Korea Exist Chem.Inventory:       KE-29297         LD50dmtrat:       > 18.7 g/kg         TRGS 905 (DE):       RF C         75 mg Proteinase K (lyo)       CAS No.: 39450-01-6         TSGA Inventory:       Isited         Apan (SRL):       not listed         Apan (SRL):       not listed         Association (SCL/PRTR:       not listed         Association (SCL/PRTR:       not listed         Asotie (SCL/PRTR:       not listed         Chemical:       calseathit inpaintent		TSCA Inventory:	listed (1,2,3-Propanetriol)	
Symptoms: irritation eyes, skin, respiratory system; headache, nausea, vomiting; kidney injury Japan CSCL/PRTR: not listed Korea Exist Chem.Inventory: KE-39297 LD50drn tat: 216 g/kg LD50drn tat: 218.7 g/kg TRGS 905 (DE): RF C <b>75 mg Proteinase K (voj)</b> Chemicat: proteinase K (origin: tritirachium album) CAS No.: 39450-01-6 TSCA Inventory: listed (CAS 102925-54-2) Japan CSCL/PRTR: not listed Acute Effects: Cause after impairments of health when ingested in small quantities. Chronic Effects: May cause sensitization by skin contact, also in repeated contact of small amounts. May cause allergy or asthma symptoms or breathing difficulties i inhaled. <b>50 mL T1</b> Chemical: chem.Inventory: all listed (22% Korea Exist.Chem.Inventory: listed <b>51 mL 51</b> <b>52 contact or breathing difficulties i inhaled</b> . <b>53 mL T1</b> Chemical: chemicals/mixture < 2% Korea Exist.Chem.Inventory: listed <b>50 mL B1</b> Chemical: chemicals/mixture < 1% Water hazard class (DE): 1 Storage class (VCI): 12-13				
Japan (SHL:       not listed         Japan (SHL:       not listed         Korea Exist Chem.Inventory:       KE-29297         LD50gurat:       >18.7 g/kg         TRGS 905 (DE):       Rr C         75 mg Proteinase K (lyco)         Chemical:       proteinase K (lyco)         SCA Inventory:       listed (XS 102925-54-2)         Japan (SHL:       not listed         Aroue Effects:       Case Soci/PRTR:         Japan (SHL:       not listed         Korea Exist: Chem.Inventory:       not listed         Japan (SHL:       not listed         Korea Exist: Clame after impairments of health when ingested in small quantities.       Chronic Effects: May cause sensitization by skin contact, also in repeated contact of small amounts. May cause allergy or asthma symptoms or breathing difficulties if inhaled.         50 mL T1         Chemical:       chemicals/mixture < 2%				kidnev iniurv
Japan ISHL:       not listed         Korea Exist Chem.Inventory:       12.6 g/kg         LD50dum rat:       > 18.7 g/kg         TRGS 905 (DE):       R c         Chemical: proteinase K (origin: tritirachium album)         CAS No.: 39450-01-6         TSCA Inventory:       listed (CAS 102925-54-2)         Japan CSCL/PRTR:       not listed         Acute Effects:       not listed         Korea Exist Chem Inventory:       not listed         Acute Effects:       Cause after impairments of health when ingested in small quantities.         Chronic Effects: May cause sensitization by skin contact, also in repeated contact of small amounts. May cause allergy or asthma symptoms or breathing difficulties if inhalad.         50 mL T1       Chemical:       chemicals/mixture < 2%		Japan CSCL/PRTR:	not listed, Japan PDSCL: not listed	Kidney injery
LDSO <sub>utran</sub> : 12.6 g/kg LDSO <sub>utran</sub> : 218.7 g/kg TRGS 905 (DE): R <sub>F</sub> C <b>75 mg Proteinase K (byo)</b> Chemical: proteinase K (origin: tritirachium album) CAS No.: 39450-01-6 TSCA Inventory: listed (CAS 102925-54-2) Japan ISHL: not listed Korea Exist.Chem.Inventory: not listed Acute Effects: Cause after impairments of health when ingested in small quantities. Chronic Effects: May cause sensitization by skin contact, also in repeated contact of small amounts. May cause allergy or asthma symptoms or breathing difficulties if inhaled. <b>50 mL T1</b> Chemical: chemicals/mixture < 2% Korea Exist.Chem.Inventory: listed <b>SECTION 12: Ecological information</b> <b>51 mL B5</b> Chemical: chemicals/mixture < 1% CAS No.:- Water hazard class (DE): 1 Storage class (VCI): 12-13 <b>60 mL BE</b> Chemical: chemicals/mixture < 1% CAS No.:- Water hazard class (DE): 1 Storage class (VCI): 12-13		Japan ISHL:	not listed	
LD50 <sub>drm.nbt</sub> : 118.7 g/kg TRGS 905 (DE): R <sub>F</sub> C <b>75 mg Proteinase K (lygo)</b> Chemical: proteinase K (origin: tritrachium album) CAS No.: 39450-01-6 TSGA Inventory: Isiled (CAS 102925-54-2) Japan CSCL/PRTR: not listed Acute Effects: Cause after impairments of health when ingested in small quantities. Chronic Effects: May cause sensitization by skin contact, also in repeated contact of small amounts. May cause allergy or asthma symptoms or breathing difficulties if inhaled. <b>50 mL T1</b> Chemical: chemicals/mixture < 2% Korea Exist.Chem.Inventory: listed <b>52 CLION 12: Ecological information</b> <b>53 CLI 1</b> CLI Toxicity Following information is valid for pure substances. <b>100 mL B5</b> Chemical: chemicals/mixture < 1% CAS No.:- Water hazard class (VCI): 12-13 <b>60 mL EE</b> Chemical: chemicals/mixture < 1% CAS No.:- Water hazard class (VCI): 12-13		Korea Exist.Chem.Inventory:		
75 ong Productive       for proteinase K (origin: tritirachium album)       CAS No.: 39450-01-6         TSCA Inventory:       listed (CAS 102925-54-2)         Japan ISLL:       not listed         Storage CSCL/PRTR:       not listed         Grow Description       of listed         Korea Exist Chem.Inventory:       not listed         Chronic Effects:       May cause sensitization by skin contact, also in repeated contact of small amounts. May cause allergy or asthma symptoms or breathing difficulties if inhaled.         50 mL 11       Chemical:         Chronic Effects:       chemicals/mixture < 2%				
Chemical: proteinase K (origin: tritirachium album) CAS No.: 39450-01-6 TSCA Inventory: Idisted (CAS 102925-54-2) Japan CSCL/PRTR: not listed Japan ISHL: not listed Acute Effects: Cause after impairments of health when ingested in small quantities. Chronic Effects: Cause after impairments of health when ingested in small quantities. Chronic Effects: Cause after impairments of health when ingested in small quantities. Chronic Effects: Cause after impairments of health when ingested in small quantities. Chronic Effects: Cause after impairments of health when ingested in small quantities. Chronic Effects: Cause after impairments of health when ingested in small quantities. Chronic Effects: Cause after impairments of health when ingested in small quantities. Chronic Effects: Cause after impairments of health when ingested in small quantities. Chemical: chemicals/mixture < 2% CAS No.: - TSCA Inventory: all listed, <2% Korea Exist Chem.Inventory: listed SECTION 12: Ecological information 2.1 Toxicity Following information is valid for pure substances. 100 mL B5 Chemical: chemicals/mixture < 1% CAS No.: - Water hazard class (DE): 1 Storage class (VCI): 12-13 60 mL BE Chemical: chemicals/mixture < 1% CAS No.: - Water hazard class (DE): 1 Storage class (VCI): 12-13		TRGS 905 (DE):	R <sub>F</sub> C	
TSCA Inventory:       Isisted (CÅS 102925-54-2)         Japan ISHL:       not listed         Japan ISHL:       not listed         Korea Exist.Chem.Inventory: not listed       Acute Effects: Cause after impairments of health when ingested in small quantities.         Chronic Effects:       May cause sensitization by skin contact, also in repeated contact of small amounts. May cause allergy or asthma symptoms or breathing difficulties if inhaled.         50 mL T1       Chemical:       chemicals/mixture < 2%	75	•		
Japan CSCL/PRTR:       not listed         Japan ISHL:       not listed         Acute Effects:       Max cause sensitization by skin contact, also in repeated contact of small amounts. May cause allergy or asthma symptoms or breathing difficulties if inhaled.         50 mL T1       Chemical:       chemicals/mixture < 2%				: 39450-01-6
Japan ISHL: not listed Acute Effects: Cause after impairments of health when ingested in small quantities. Chronic Effects: May cause sensitization by skin contact, also in repeated contact of small amounts. May cause allergy or asthma symptoms or breathing difficulties if inhaled. <b>50 mL T1</b> Chemical: chemicals/mixture < 2% TSCA Inventory: all listed, <2% Korea Exist.Chem.Inventory: listed <b>SECTION 12: Ecological information</b> <b>2.1 Toxicity</b> Following information is valid for pure substances. <b>100 mL B5</b> Chemical: chemicals/mixture < 1% Water hazard class (DE): 1 Storage class (VCI): 12-13 <b>60 mL BE</b> Chemical: chemicals/mixture < 1% CAS No.: - Water hazard class (DE): 1 Storage class (VCI): 12-13				
Korea Exist Chem.Inventory: not listed         Acute Effects: Cause after impairments of health when ingested in small quantities.         Chronic Effects: May cause sensitization by skin contact, also in repeated contact of small amounts. May cause allergy or asthma symptoms or breathing difficulties if inhaled.         50 mL T1         Chemical:       chemicals/mixture < 2%		•		
Chronic Effects: May cause sensitization by skin contact, also in repeated contact of small amounts. May cause allergy or asthma symptoms or breathing difficulties if inhaled. 50 mL T1 Chemical: chemicals/mixture < 2% CAS No.: - TSCA Inventory: all listed, <2% Korea Exist.Chem.Inventory: listed  SECTION 12: Ecological information 2.1 Toxicity Following information is valid for pure substances. 100 mL B5 Chemical: chemicals/mixture < 1% CAS No.: - Water hazard class (DE): 1 Storage class (VCI): 12-13  60 mL BE Chemical: chemicals/mixture < 1% CAS No.: - Water hazard class (DE): 1 Storage class (VCI): 12-13		Korea Exist.Chem.Inventory:	: not listed	
symptoms or breathing difficulties if inhaled. 50 mL T1 Chemical: chemicals/mixture < 2% Korea Exist.Chem.Inventory: all listed, <2% Korea Exist.Chem.Inventory: listed SECTION 12: Ecological information 2.1 Toxicity Following information is valid for pure substances. 100 mL B5 Chemical: chemicals/mixture < 1% Water hazard class (DE): 1 Storage class (VCI): 12-13 60 mL BE Chemical: chemicals/mixture < 1% Water hazard class (DE): 1 Storage class (VCI): 12-13		Acute Effects: Cause after im	.npairments of health when ingested in small quantities.	Marca ellaray or asthma
Chemical:       chemicals/mixture < 2%				3. May cause allergy or asuma
TSCA Inventory: all listed, <2% Korea Exist.Chem.Inventory: listed    SECTION 12: Ecological information  2.1 Toxicity Following information is valid for pure substances.  100 mL B5 Chemical: chemicals/mixture < 1% Water hazard class (DE): 1 Storage class (VCI): 12-13  60 mL BE Chemical: chemicals/mixture < 1% Water hazard class (DE): 1 Storage class (VCI): 12-13	50	mL T1		
Korea Exist. Chem.Inventory: listed         SECTION 12: Ecological information         2.1 Toxicity         Following information is valid for pure substances.         100 mL B5         Chemical:       chemicals/mixture < 1%				:-
SECTION 12: Ecological information 2.1 Toxicity Following information is valid for pure substances. 100 mL B5 Chemical: chemicals/mixture < 1% Water hazard class (DE): 1 Storage class (VCI): 12-13 60 mL BE Chemical: chemicals/mixture < 1% Water hazard class (DE): 1 Storage class (VCI): 12-13				
2.1 Toxicity Following information is valid for pure substances. 100 mL B5 Chemical: chemicals/mixture < 1% Water hazard class (DE): 1 Storage class (VCI): 12-13 60 mL BE Chemical: chemicals/mixture < 1% Water hazard class (DE): 1 Storage class (VCI): 12-13				
Following information is valid for pure substances.         100 mL B5       Chemical:       chemicals/mixture < 1%		•	ormation	
Chemical:       chemicals/mixture < 1%       CAS No.: -         Water hazard class (DE):       1         Storage class (VCI):       12-13         60 mL BE       Chemical:       chemicals/mixture < 1%       CAS No.: -         Water hazard class (DE):       1         Storage class (VCI):       12-13		•	or pure substances.	
Water hazard class (DE):       1         Storage class (VCI):       12-13         60 mL BE       Chemical:       chemicals/mixture < 1%				
Storage class (VCI):     12-13       60 mL BE     Chemical:     chemicals/mixture < 1%				No.: -
Chemical:chemicals/mixture < 1%CAS No.: -Water hazard class (DE):1Storage class (VCI):12-13				
Water hazard class (DE): 1 Storage class (VCI): 12-13				N & L
Storage class (VCI): 12-13				No.: -
				www.mn-net



MACHEREY-NAGEL GmbH & Co. KG · Neumann-Neander-Str. 6-8 · 52355 Düren · Germany FR: DE/international: CH: Tel.: +41 62 388 55 00 Fax: +41 62 388 55 05 Tel.: +49 24 21 969-0 Tel.: +33 388 68 22 68 +49 24 21 969-199 Fax: Fax: +33 388 51 76 88 Version: M V 4.12.0 E-mail: info@mn-net.com E-mail: sales-ch@mn-net.com E-mail: sales-fr@mn-net.com

US: Tel.: +1 484 821 0984 Fax: +1 484 821 1272 E-mail: sales-us@mn-net.com



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

	40741.2 date: 12.05.2021	NucleoSpin 96 Tissue (2x96) Date of issue: 21.09.2020	Page: 11/13
	50 mL BQ1 Chemical: guanidine PNEC(fresh water) : PNEC = Predicted No Effected Concentr	hydrochloride - ration	CAS No.: 50-01-1
	LC50leuciscus idus/96h : LC50fish/96h : EC50daphnia/48h : EC10pseudomonas putita/16h : Water hazard class (DE): Storage class (VCI):	1759 mg/L [4d] 690-1850; [48h] 1758-2420 mg/L 70.2 mg/L [72h] 11.8-33.5 mg/L 1 WGK No.: 0788 12	
	<b>125 mL BW</b> Chemical: guanidine PNEC(fresh water) : PNEC = Predicted No Effected Concent	hydrochloride ration	CAS No.: 50-01-1
	LC50leuciscus idus/96h : LC50fish/96h : EC50 <sub>daphnia/48h</sub> : EC10 <sub>pseudomonas</sub> putita/16h : Water hazard class (DE): Storage class (VCI):	1759 mg/L [4d] 690-1850; [48h] 1758-2420 mg/L 70.2 mg/L [72h] 11.8-33.5 mg/L 1 WGK No.: 0788 12	
	Chemical: 2-propano PNEC(fresh water) : PNEC = Predicted No Effected Concent	140.9 mg/L	CAS No.: 67-63-0
	LC50fish/96h : EC50daphnia/48h : IC50 <sub>s</sub> cenedesmus quadricauda/72h : EC10 <sub>p</sub> seudomonas putita/16h : Water hazard class (DE): Dispersion coefficient( <sub>octanol-wate</sub> Storage class (VCI):	1400 mg/L 13.3 g/L >1000 mg/L EC5: 1050 mg/L 1 WGK No.: 0135 ar): 0.05 3	
	8 mL PB Chemical: glycerole PNEC(fresh water) : PNEC = Predicted No Effected Concent	0.885 mg/L ration	CAS No.: 56-81-5
	LC50fish/96h : EC50daphnia/48h : IC50 <sub>s</sub> cenedesmus quadricauda/72h : EC10 <sub>p</sub> seudomonas putita/16h : Water hazard class (DE): Dispersion coefficient <sub>(octanol-wate</sub> Storage class (VCI):	>5000 <sub>24h</sub> mg/L >10 <sub>24h</sub> g/L IC5 <sub>7d</sub> >10 g/L EC5: >10 g/L 0 or): -1.76 10	
	<b>75 mg Proteinase K (Iyo)</b> Chemical: proteinase Water hazard class (DE): Storage class (VCI):	e K (origin: tritirachium album) 1 13	CAS No.: 39450-01-6
	<b>50 mL T1</b> Chemical: chemicals, Water hazard class (DE): Storage class (VCI):	/mixture < 2% 1 12-13	CAS No.: -
2.2	Persistence and degradability not necessary		
2.3	Bioaccumulative potential not necessary		
2.4	Mobility in soil		



MACHEREY-NAGEL GmbH & Co. KG · Neumann-Neander-Str. 6-8 · 52355 Düren · Germany FR: US: DE/international: CH: +41 62 388 55 00 +41 62 388 55 05 Tel.: +49 24 21 969-0 Tel.: Tel.: +33 388 68 22 68 +49 24 21 969-199 Fax: Fax: Fax: +33 388 51 76 88 E-mail: sales-ch@mn-net.com E-mail: sales-fr@mn-net.com

Tel.: +1 484 821 0984 +1 484 821 1272 Fax: E-mail: sales-us@mn-net.com



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

REF: 740741.2	NucleoSpin 96 Tissue (2x96)	Page: 12/13
Printing date: 12.05.2021	Date of issue: 21.09.2020	

#### 12.5 Results of PBT and vPvB assessment

no data available

12.6

### Other adverse effects

no additional data available

### SECTION 13: Disposal considerations

Please observe local regulations for collection and disposal of hazardous waste and contact waste disposal company, where you will obtain information on laboratory waste disposal (waste code number 16 05 06).

#### 13.1 Waste treatment methods

Normally it is possible to empty small amounts (diluted!) into drains.

### **SECTION 14: Transport information**

14.1 UN number:			me: Flammable liquid, n.o.s. (2-propanol mixture)
14.3 Class:	3 14.4	Packing group: III	
Road transport			
Classification code:	F1		
Limited Quantity:	5 L	Tunnel restriction code	e E
Excepted Quantity:	E 1	Special instructions: 6	640E
Air transport			
PAX:	355	max. weight PAX: 6	60 L
CAO:	366	max. weight CAO: 2	220 L
Maritime transport		-	
EmS:	F-E, S-E	Storage category:	Α.

#### 14.5 **Environmental hazards**

none, contains only small quantities of hazardous substances

#### 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

TRGS 200, German engineering rules governing the classification and labelling of hazardous substances, preparations and products, updated October 2011

MN Leaflet/User manual, also see www.mn-net.com Look for your country-specific regulations.

#### 15.2 Chemical safety assessment

not necessary for these small amounts ---

## SECTION 16: Other information

#### 16.1 List of H and P phrases

List of releva	nt H phrases
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H336	May cause drowsiness or dizziness.

#### 16.1.2 List of relevant P phrases

ACHEREY-NAGE (MN> ISO 9001 CERTIFIEI

16.1.1

MACHEREY-NAGEL GmbH & Co. KG · Neumann-Neander-Str. 6-8 · 52355 Düren · Germany DE/international: CH: FR: Tel.: +49 24 21 969-0 Tel.: +41 62 388 55 00 Tel.: +33 388 68 22 68 Fax: +49 24 21 969-199 Fax: +41 62 388 55 05 Fax: +33 388 51 76 88 Version: M V 4.12.0 E-mail: info@mn-net.com E-mail: sales-ch@mn-net.com E-mail: sales-fr@mn-net.com

US: Tel.: +1 484 821 0984 Fax: +1 484 821 1272 E-mail: sales-us@mn-net.com



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

REF: 7	40741.2	NucleoSpin 96 Tissue (2x96)	Page: 13/13
Printing date: 12.05.2021		Date of issue: 21.09.2020	-
	P210 P260D P261sh P264W P280sh P301+312 P304+340 P330 P342+311	Keep away from heat/sparks/open flames/hot surfaces. No smoking. Do not breathe vapours. Avoid breathing dust/vapours. Wash with water thoroughly after handling. Wear protective gloves/eye protection. IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Rinse mouth. If experiencing respiratory symptoms: Call a POISON CENTER/doctor.	
16.2	<b>Training advice</b> Multiple safety trainin staffs for using these	g of staffs about danger and protection by using hazards in working area. Additionally traini	
16.3	3 Recommended restriction on use Only for professional user. Look about employee restrictions for young people (f. ex. 94/33/EC or DE § 22 JArbSchG)! Look about employee restrictions for pregnant women and nursing women (f.ex. 92/85/EEC or for DE §§ 11-13 MuSchG 20 An individual package of this product or test kit has a moderate hazardous potential.		ИuSchG 2017)!
16.4			al by a properly trained termining its implied, including n set forth herein or the le for damages resulting
16.5	<b>Sources of key data</b> 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 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 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 TRGS 907, German engineering rules governing listing of substances and causes of sensitizations, updated November 2011 KÜHN, BIRETT Merkblätter Gefährliche Arbeitsstoffe (Data Sheets of Hazardous Substances)

### **Revisions/Updates**

Reason for Revision: 2016-03 Adaptation of regulation 1221/2015/EU 2017-11 Adaption of ECHA Registration dossier

