MACHEREY-NAGEI



Safety Data Sheet

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

REF: 740142.10	NucleoBond RNA Soil Mini (10)	Page: 1/16
Printing date: 12.05.2021	Date of issue: 17.02.2021	

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

1.1 **Product identifier**

REF Product name 740142.10 NucleoBond RNA Soil Mini (10)

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 6 mL AQ
1 x 13 mL E1
1 x 10 mL E2
1 x 13 mL E3
1 x 30 mL E4
1 x 30 mL EQU
1 x 13 mL ERNA
1 x 3 mL OPT
1 x 13 mL RNase-free H ₂ O

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:

1.4

MACHEREY-NAGEL GmbH & Co. KG Valencienner Str. 11, 52355 Düren, GERMANY Tel.: +49 2421 969 0

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

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

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



GHS02

WARNING Signal word

Hazard identification Hazard classes/categories H226 Flam. Liq. 3

2.1 Classification of the substance or mixture

6 mL AQ

Do not need labelling as hazardous

Signal word

No hazard class



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REF: 740142.10 /rinting date: 12.05.2021	NucleoBond RNA Soil Mini (10) Date of issue: 17.02.2021	Page: 2/16
13 mL E1		
Signal word	Do not need labelling as hazardous -	
No hazard class		
10 mL E2		
Signal word	Do not need labelling as hazardous -	
No hazard class		
13 mL E3		
Signal word	Do not need labelling as hazardous -	
No hazard class		
30 mL E4		
	GHS02	
Signal word	WARNING	
Hazard identification	Hazard classes/categories	
H226	Flam. Liq. 3	
30 mL EQU		
Signal word	Do not need labelling as hazardous -	
No hazard class		
13 mL ERNA		
	GHS02	
Signal word	WARNING	
Hazard identification	Hazard classes/categories Flam. Liq. 3	
3 mL OPT		
	Do not need labelling as hazardous	
Signal word	-	
No hazard class		
13 mL RNase-free H_2 O		
	Do not need labelling as hazardous	
		www.mn-net



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Signal word

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).

6 mL AQ

Do not need labelling as hazardous Signal word: -

13 mL E1

Do not need labelling as hazardous Signal word: -

10 mL E2

Do not need labelling as hazardous Signal word: -

13 mL E3

Do not need labelling as hazardous Signal word: -

30 mL E4



Signal word: WARNING

30 mL EQU

Do not need labelling as hazardous Signal word: -

13 mL ERNA



GHS02

Signal word: WARNING

3 mL OPT

Do not need labelling as hazardous Signal word: -

13 mL RNase-free H₂ O

Do not need labelling as hazardous Signal word: -

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	740142.10				NucleoBond RNA Soil Mini (10)		
Printin	g date: 12.05.20	21		Date of issue	: 17.02.2021		
2.3	Other haz	ards					
	Flamma damage	ble properties.	For guanidin aled." are not			4, H332 "Causes severe skin burns and ey d to pH 4-9 (see GHS Directive 1272/2008/	
	Informa	tion pertainir	ig to particul	ar risks to human and	d possible symptoms		
	 Informa	tion pertainir	ig to particul	ar risks to the enviro	nment		
	Other h	azards					
SECT	TION 3: Co	mpositio	n/inform	ation on ingre	dients		
3.1	Substanc	es or 3.2 N	lixtures	-			
	6 mL A0	•					
		Chemical: Classificatior Pseudonym: TSCA Invent KE No.: Concentratio acc. CLP (GI	n: No cr not l ory: all lis lister n: 1 - <	nazardous sted d	ning of chemical not required.	CAS No.: -	
	13 mL E	1					
		Formula: Pseudonym: TSCA Invent REACH Reg EC No.: RTECS:	n: H22 1335, STOT S C ₁₂ sodi ory: lister . No.: 01-2 205- WT1	E 3, H412, Aquatic Ch H ₂₅ NaO ₄ S um lauryl sulfate, sulfu d 119489461-32-xxxx -788-1 1050000		CAS No.: 151-21-3 kin Irrit. 2, H318, Eye Dam. 1, H332, Acute sodium salt 00036175	
		KE No.: Concentratio acc. CLP (GI	n: 1-<	21884 :2.5 % :riteria for classification are r	ot fulfilled.		
		Chemical: Classificatior Formula: Pseudonym: TSCA Invent REACH Reg EC No.: RTECS: KE No.: Concentratio acc. CLP (Gł	NaC salt ory: lister No.: exer 231- VZ4 KE- n: 1 - <	iteria for classification or nar	ning of chemical not required. ot fulfilled.	CAS No.: 7647-14-5	
		Chemical:		methyl)aminomethane		CAS No.: 77-86-1	
		Classificatior Formula: Pseudonym: TSCA Invent REACH Reg EC No.:	C ₄ H Tron ory: liste . No.: 01-2	l ₁₁ NO ₃ netamol, 2-amino-2-(h <u>y</u>	ning of chemical not required. /droxymethyl)-1,3-propaned	diol	
		RTECS: KE No.: Concentratio acc. CLP (Gł	TY2 KE-(n: 1 - <	900000 01403 :3 % :riteria for classification are r	MFCD:	00004679	



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	Data af Januar 17 00 0		
	Date of issue: 17.02.2	021	
			CAS No.: -
		mical not required.	
CLP (GHS):	The criteria for classification are not fulfilled.		
mical: water			CAS No.: 7732-18-5
ssification:	No criteria for classification or naming of che	mical not required.	
nula:	H ₂ O		
A Inventory:	listed		
ECS:	ZC0110000		
ULP (GHS):	The criteria for classification are not fulfilled.		
	l'altra de la constante		
0		to Toy 1 dames 110	CAS No.: 593-84-0
		ie 10x. 4 derm., H3	014, SKIN COTT. 1B, H332, ACUTE 10X. 4 INN.,
		Indice No	615-004-00-3
ECS:			00013027
No.:	not listed		
centration:	5 - <10 %		
CLP (GHS):	The criteria for classification are not fulfilled.		
mical: ethan	o/ (diluted < 20 %)	(00-(CAS No.: 64-17-5d
		1867/EU)	
	•		
No.:		Indice No.:	603-002-00-5
CS:		MFCD:	00003568
No.:	KE-13217		
centration:	5 - <20 %		
CLP (GHS):	H226, Flam. Liq. 3		
mical: potass	sium chloride		CAS No.: 7447-40-7
ssification:		mical not required.	
nula:	KCI		
	listed		
ACH Reg. No.:			
			00044000
		MFCD:	00011360
CLP (GHS):	1 - <10 % The criteria for classification are not fulfilled.		
L.			
	sification: nula: A Inventory: No.: centration: CLP (GHS): mical: water sification: nula: A Inventory: A Inventory: CH Reg. No.: No.: CLP (GHS): mical: guanic sification: 2, Aquatic Chror nula: udonym: A Inventory: CH Reg. No.: No.: CS: No.: CCS: No.: CCP (GHS): mical: ethanc (dena sification: nula: udonym: A Inventory: CCS: No.: CCS: No.: CCF (GHS): mical: potass sification: nula: A Inventory: CH Reg. No.: No.: CCP (GHS): mical: potass sification: nula: A Inventory: CCH Reg. No.: No.: CLP (GHS): mical: potass sification: nula: A Inventory: CLP (GHS):	sification:No criteria for classification or naming of chemula:Nula:CH3 COOH/K/Na+H2 OA Inventory:all listedVo.:listedcentration:45 - <60 %	isification:No criteria for classification or naming of chemical not required. nula:CH3 COOH/K/Na+H2 O A Inventory:A Inventory:all listed isited centration:45 - <60 %



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B (1 1 1 1 1 1 1 1 1 1			Page: 6/1
Date of issue: 17.02.2	2021		
/ (diluted < 20 %)		CAS No.: 64-17-5d	
tured with 1%IPA/1%MEK, acc.2016	/1867/EU)		
listed			
	MFCD:	00003568	
H226, Flam. Liq. 3			
chloride		CAS No.: 7447-41-8	
H302, Acute Tox. 4 oral, H315, Ski	n Irrit. 2, H319, Eye	Irrit. 2	
LiCI			
listed			
The criteria for classification are not fulfilled.			
als/mixture < 1%		CAS No.: -	
	mical not required.		
The criteria for classification are not fulfilled.			
e buffer solution		CAS No.: -	
	mical not required.		
CH ₃ COOH/K/Na•H ₂ O	initial not required.		
all listed			
listed			
15 - <25 %			
The criteria for classification are not fulfilled.			
		CAS No : 7732-18-5	
No estavio for eleccification en escritor of ele-	and and an excited of	CAS NO.: 1132-10-3	
	emical not required.		
• *			
ZC0110000			
KE-35400			
90 - <100 %			
The criteria for classification are not fulfilled.			
added with water [CAS No. 7732-18-	51 to 100%		
	b/ (diluted < 20 %) tured with 1%IPA/1%MEK, acc.2016/ H225, Flam. Liq. 2 $C_2 H_6 O; C_2 H_5 OH$ ethyl alcohol, methylated spirit listed 01-2119457610-43-xxxx 200-578-6 KQ6300000 KE-13217 5 - <20 % H226, Flam. Liq. 3 <i>chloride</i> H302, Acute Tox. 4 oral, H315, Skin LiCl listed 01- 2119560574-35-xxxx 231-212-3 OJ5950000 KE-22552 1 - <10 % The criteria for classification are not fulfilled. <i>cals/mixture</i> < 1% No criteria for classification are not fulfilled. <i>cals/mixture</i> < 1% The criteria for classification are not fulfilled. <i>buffer solution</i> No criteria for classification are not fulfilled. <i>buffer solution</i> No criteria for classification or naming of che CH ₃ COOH/K/Na•H ₂ O all listed listed 15 - <25 % The criteria for classification are not fulfilled. No criteria for classification are not fulfilled. No criteria for classification are not fulfilled. No criteria for classification or naming of che CH ₃ COOH/K/Na•H ₂ O all listed listed 15 - <25 % The criteria for classification are not fulfilled. No criteria for classification or naming of che H ₂ O listed exempt, Annex IV 231-791-2 ZC0110000 KE-35400 90 - <100 %	tured with 1%IPÅ/1%MEK, acc.2016/1867/EU) H225, Flam. Liq. 2 C ₂ H ₆ O; C ₂ H ₅ OH ethyl alcohol, methylated spirit listed 01-2119457610-43-xxxx 200-578-6 Indice No.: KQ6300000 MFCD: KE-13217 5 - <20 % H226, Flam. Liq. 3 <i>chloride</i> H302, Acute Tox. 4 oral, H315, Skin Irrit. 2, H319, Eye I LiCI listed 01-2119560574-35-xxxx 231-212-3 OJ5950000 KE-22552 1 - <10 % The criteria for classification are not fulfilled. <i>cals/mixture</i> < 1% No criteria for classification or naming of chemical not required. all listed 0.1 - <1 % The criteria for classification are not fulfilled. <i>e buffer solution</i> No criteria for classification are not fulfilled. <i>e buffer solution</i> No criteria for classification are not fulfilled. No criteria for classification are not fulfilled. <i>b</i> CH ₃ COOH/K/Na•H ₂ O all listed listed 15 - <25 % The criteria for classification are not fulfilled.	

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.

4.1.1 After SKIN Contact



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12.05.2021 Date of issue: 17.02.2021 Remove contaminated clothing. Rinse the affected skin or mucous membrane thoroughly under running water. (If possible) use soap. 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). After INHALATION of vapours After ORAL Intake After oral intake lots of water should be drunk after it has been ingested st important symptoms and effects, both acute and delayed iccation of any immediate medical attention and special treatment needed idditionally recommendations
soap. 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). After INHALATION of vapours After inhalation of foam or vapour fresh air should be inhaled. Keep airways free After ORAL Intake After oral intake lots of water should be drunk after it has been ingested st important symptoms and effects, both acute and delayed ication of any immediate medical attention and special treatment needed idditionally recommendations
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). After INHALATION of vapours After inhalation of foam or vapour fresh air should be inhaled. Keep airways free After ORAL Intake After oral intake lots of water should be drunk after it has been ingested st important symptoms and effects, both acute and delayed ication of any immediate medical attention and special treatment needed idditionally recommendations
After inhalation of foam or vapour fresh air should be inhaled. Keep airways free After ORAL Intake After oral intake lots of water should be drunk after it has been ingested st important symptoms and effects, both acute and delayed ication of any immediate medical attention and special treatment needed idditionally recommendations
After oral intake lots of water should be drunk after it has been ingested st important symptoms and effects, both acute and delayed ication of any immediate medical attention and special treatment needed idditionally recommendations
ication of any immediate medical attention and special treatment needed
dditionally recommendations
5: Firefighting measures
inguishing media extinguishers appropriate to the fire classification, and, if applicable, a fire blanket must be available in a prominent location in the a area. All extinguishers like FOAM, WATER SPRAY, DRY POWDER, CARBON DIOXIDE can be used.
ecial hazards arising from the substance or mixture RNING: Flammable (GHS regulation). May form explosive vapour-air mixtures. Formation of hazardous and caustic vapour-air ures possible
rice for firefighters for listed product. Product package burns like paper or plastic.
ditional information
e> a a c R N ur /i

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Do not breathe vapours. Regular staff training is necessary.

6.2 **Environmental precautions**

- not necessary
- 6.3 Methods and material for containment and cleaning up Bind any escaping liquid with inert absorbent. 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.

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): 3

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.



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SECT	ION 8: Expo	sure controls/personal protection		
8.1	Control parameters			
	6 mL AQ Chemical:	inorganic salts, declaration not necessary	CAS No.: -	
	13 mL E1 Chemical: NIOSH:	dodecyl sulfate, sodium salt not listed	CAS No.: 151-21-3	
		Time-weighted average to a reference period of 8 hours, [STEL] Short-term exposence not listed	sure limit related to a 15-minute period	
	Chemical:	sodium chloride	CAS No.: 7647-14-5	
	Chemical: DNEL: _{DNEL}	<i>tris(hydroxymethyl)aminomethane</i> [derm] 166.7 mg/kg bw/day; [inh] 117.5 mg/m³ = Derived No-Effect Level (for workers)	CAS No.: 77-86-1	
		vater): no data mg/L = Predicted No Effected Concentration		
	NIOSH: [TWA] OSHA:	not listed Time-weighted average to a reference period of 8 hours, [STEL] Short-term expos not listed	sure limit related to a 15-minute period	
	10 mL E2 Chemical:	acetate buffer solution	CAS No.: -	
	13 mL E3 Chemical:	water	CAS No.: 7732-18-5	
	30 mL E4 Chemical: DNEL: DNEL	<i>guanidinium thiocyanate</i> [inh] 1092 μg/m³ = Derived No-Effect Level (for workers)	CAS No.: 593-84-0	
	PNEC _{(fresh w} PNEC NIOSH:	vater) : 42.4 µg/L = Predicted No Effected Concentration not listed		
		Time-weighted average to a reference period of 8 hours, [STEL] Short-term exposing not listed	sure limit related to a 15-minute period	
	Chemical: DNEL: DNEL	ethanol [derm] 343 mg/kg; [inh] 950 mg/m³ = Derived No-Effect Level (for workers)	CAS No.: 64-17-5d	
	PNEC _{(fresh w} PNEC TRGS 900 (l	= Predicted No Effected Concentration		
	Short-term e ^{skin re} SUVA(CH) N	exposure factor: 4 (II), Y esorptive (H), respiratory sensitizable (Sa), skin sensitizable (Sh), teratogenic (Z) r	not securely excluded / (Y) certainly excluded	
	NIOSH:	[TWA] 1000 ppm / 1900 mg/m ³ Time-weighted average to a reference period of 8 hours, [STEL] Short-term expos 1000 ppm / 1900 mg/m ³	sure limit related to a 15-minute period	
	30 mL EQU Chemical:	potassium chloride	CAS No.: 7447-40-7	
	13 mL ERN Chemical: DNEL: DNEL	A ethanol [derm] 343 mg/kg; [inh] 950 mg/m ³ = Derived No-Effect Level (for workers)	CAS No.: 64-17-5d	
	PNEC _{(fresh w} PNEC	vater) : 0.96 mg/L = Predicted No Effected Concentration		
	TRGS 900 (I Short-term e	DE): 200 ppm / 380 mg/m³ E/e respirable exposure factor: 4 (II), Y		
		esorptive (H), respiratory sensitizable (Sa), skin sensitizable (Sh), teratogenic (Z) r	not securely excluded / (Y) certainly excluded	www.mn-ne
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	40142.10		NucleoBond RNA S		Page: 9/16
Printing	date: 12.05.2021		Date of issue: 17.0	2.2021	
	SUVA(CH) NIOSH:		500 ppm / 960 mg/m ³ TWA] 1000 ppm / 1900 mg/m ³		
				Short-term exposure limit related to a 15-minute period	
	OSHA:		1000 ppm / 1900 mg/m³		
	Chemical:	lithium chloride		CAS No.: 7447-41-8	
	DNEL: DNEL	= Derived No-Effect L	73.2 _{derm} mg/kg bw/d; 10 _{inh} mg/m ³ evel (for workers)		
	PNEC _{(fresh v} PNEC	water) : C = Predicted No Effect	1.2 mg/L ed Concentration		
	TRGS 900 ((DE): (0.2 E mg/m³ E/e respirable		
	Short-term e	exposure factor:	1 (I), Y	, teratogenic (Z) not securely excluded / (Y) certainly exclu	ded
	SUVA(CH)		als Li][MAK] $0,2 \text{ e}/[\text{STEL}] 0,2 \text{ e}$		ueu
	Chemical:	chemicals/mixtu	re < 1%	CAS No.: -	
	3 mL OPT				
	Chemical:	acetate buffer se	olution	CAS No.: -	
		se-free H ₂ O			
	Chemical:	water		CAS No.: 7732-18-5	
3.2	Exposure co	ontrols			
			tem in the room, floor resistant to ined at the workplace.	chemicals with floor drainage and washing faci	lities. The highest
3.2.1		<pre>/ protection al recommendatior</pre>	IS.		
8.2.2		according EN 374	(permeation time >30 min - level nemical resistant latex gloves with	2), consist of PVC, natural latex, Neopren, or N code EN 374-3 level 1.	itril (f.ex. from Ansel
3.2.3	Eye protec Yes, safety		EN 166 with integrated side shield	ls or wrap-around protection.	
8.2.4	Skin protect Not necessa				
8.2.5	with the skir	king, smoking, taki n, eyes and clothin	g. Rinse any clothing on which the	rk areas and at outdoor workplaces is prohibite substance has been spilled, and soak it in wat eating, and then apply protective skin cream.	
SECT	ION 9: Phys	ical and che	emical properties		
9.1	Information	on basic phys	ical and chemical proper	ies	
	6 mL AQ				
	Appearance	e: liquid	Colour: colourless	Odor: odorless	
	pH: Specific gra	vity:	7.5-8 1.01 g/cm³		
	13 mL E1				
	Appearance	: liquid	Colour: colourless	Odor: odorless	
	nH [.]	-	6 5-7 5		

10 mL E2 Appearance: liquid pH: Specific gravity:

Specific gravity:

pH:

Colour: colourless 5-6 1.19 g/cm³

6.5-7.5

1.02 g/cm³

Odor: acetic



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REF: 740142.10		NucleoBond RNA S	Page: 10/1	
Printing	g date: 12.05.2021	Date of issue: 17.02	2.2021	
	13 mL E3			
	Appearance: liquid	Colour: colourless	Odor: odorless	
	pH:	6-8		
	Specific gravity:	1.0 g/cm ³		
	30 mL E4			
	Appearance: liquid	Colour: colourless	Odor: alcoholic	
	pH:	6.5-7.5		
	Flash point:	35 °C		
	Specific gravity:	0.98 g/cm³		
	30 mL EQU			
	Appearance: liquid	Colour: colourless	Odor: odorless	
	pH:	6-7		
	Specific gravity:	1.05 g/cm³		
	13 mL ERNA			
	Appearance: liquid	Colour: colourless	Odor: alcoholic	
	pH:	6.5-7.5		
	Flash point:	36 °C		
	Specific gravity:	0.98 g/cm³		
	3 mL OPT			
	Appearance: liquid	Colour: colourless	Odor: acetic	
	pH:	7-8		
	13 mL RNase-free H ₂ O			
	Appearance: liquid	Colour: colourless	Odor: odorless	
	pH:	6-8		
	Specific gravity:	1.0 g/cm ³		
.2	Other information			
	Data for the other parameters of the	e mixtures are not available. beca	use no registration and no chemical safety	report is required.
	Relevant Properties of Substanc		5	· 1
		•		

SECTION 10: Stability and reactivity

10.1 Reactivity

no further data available.

10.2 **Chemical stability** No known instability.

10.3 Possibility of hazardous reactions

Note: Can form very reactive substances with oxidizing agents. Possible: Contact with acids liberates toxic gas. No further data available

10.4 Conditions to avoid

10.5 Incompatible materials

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.



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	40142.10 g date: 12.05.2021		Bond RNA Soil Mini (10) issue: 17.02.2021		Page: 11/1
		ogical information			
11.1	Information on to	oxicological effects n is valid for pure substances. Q	uantitative data on the toxicity of	f this product are not available.	
	6 mL AQ Chemical: TSCA Inventory: Korea Exist.Chem	<i>inorganic salts, declaration not</i> all listed n.Inventory: listed	necessary	CAS No.: -	
	13 mL E1				
	Chemical: TSCA Inventory: Australia NICNAS Japan CSCL/PRT Japan ISHL: South Korea TCC	: not listed R: PRTR - Class I Designa not listed	California Proposition 65 List: no Canada CEPA 1999: DS ated Chemical Substance, Japa	iL yes	
	Chemical: TSCA Inventory: Korea Exist.Chem LD50 _{orl rat} : LD50 _{drm rbt} :	sodium chloride listed n.Inventory: KE-31387 3000 mg/kg 10 g/kg		CAS No.: 7647-14-5	
	Chemical: TSCA Inventory: Australia NICNAS Japan CSCL/PRT Japan ISHL: South Korea TCC Korea Exist.Chem LD50 _{orl rat} :	: not listed R: not listed, Japan PDSC not listed	California Proposition 65 List: no Canada CEPA 1999: DS		
	10 mL E2				
	Chemical: TSCA Inventory: Korea Exist.Chem	acetate buffer solution all listed n.Inventory: listed		CAS No.: -	
	13 mL E3 Chemical: TSCA Inventory: Korea Exist.Chem	<i>water</i> listed n.Inventory: KE-35400		CAS No.: 7732-18-5	
	30 mL E4				
	Chemical: TSCA Inventory: Australia NICNAS Japan CSCL/PRT Japan ISHL: South Korea TCC Korea Exist.Chem LD50 _{orl rat} : LC50 _{dim rbt} : LC50 _{ihl rat} : LD50 _{ipr mus} :	: not listed R: not listed, Japan PDSC not listed	California Proposition 65 List: no Canada CEPA 1999: DS CL: not listed		
					www.mn-ne
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REF: 740142	.10		NucleoBond RNA Soil Mini (10)	Page: 12/ ⁻
Printing date:	12.05.2021		Date of issue: 17.02.2021	
	Chemical:	ethano	CAS No.: 64	-17-5d
	TSCA Inventory: ACGIH:		listed California Proposition 65 List: not listed 1000 ppm	
	Exposure Routes:		inhalation, ingestion, skin and/or eye contact	
	Target Organs:		Eyes, skin, respiratory system, central nervous system, liver, blood, repr	
	Symptoms:		irritation eyes, skin, nose; headache, drowsiness, lassitude (weakness, e	exhaustion), narcosis; cough
	liver damage; anemia	a; reproc		
	Australia NICNAS:		not listed Canada CEPA 1999: DSL yes	
	Japan CSCL/PRTR:		not listed, Japan PDSCL: not listed	
	Japan ISHL: South Korea TCCA:		listed ≥0,1%/≥0,1%, Article 57-2 (SDS required) not listed	
	Korea Exist.Chem.In	ventory:		
	LD50 _{orl rat} :	ventory.	6200 mg/kg	
	LC_Low _{ihl gpg} :		21.9 g/m ³	
	LC_Low _{orl hmn} :		1400 mg/kg	
	LC50 _{ihl mouse} :		[4h] 39 g/m ³	
	LC50 _{ihl rat} :		[10h] 20 g/m ³	
	LD50 _{drm rbt} :		20 000 mg/kg	
	LD50 _{oral mouse} :		3450 mg/kg	
	TRGS 905 (DE):		K5, M5, R _F C	
30	mL EQU			
	Chemical:	potassi	um chloride CAS No.: 74	47-40-7
	TSCA Inventory:		listed	
	Korea Exist.Chem.In	ventory:		
	LD50 _{orl rat} :		2600 mg/kg	
13	mL ERNA Chemical:	ethano		-17-5d
13	Chemical: TSCA Inventory:	ethano	listed California Proposition 65 List: not listed	-17-5d
13	Chemical: TSCA Inventory: ACGIH:	ethano	listed California Proposition 65 List: not listed 1000 ppm	-17-5d
13	Chemical: TSCA Inventory: ACGIH: Exposure Routes:	ethano	listed California Proposition 65 List: not listed 1000 ppm inhalation, ingestion, skin and/or eye contact	
13	Chemical: TSCA Inventory: ACGIH: Exposure Routes: Target Organs:	ethano	listed California Proposition 65 List: not listed 1000 ppm inhalation, ingestion, skin and/or eye contact Eyes, skin, respiratory system, central nervous system, liver, blood, repr	oductive system
13	Chemical: TSCA Inventory: ACGIH: Exposure Routes: Target Organs: Symptoms:		listed California Proposition 65 List: not listed 1000 ppm inhalation, ingestion, skin and/or eye contact Eyes, skin, respiratory system, central nervous system, liver, blood, repri irritation eyes, skin, nose; headache, drowsiness, lassitude (weakness, e	oductive system
13	Chemical: TSCA Inventory: ACGIH: Exposure Routes: Target Organs:		listed California Proposition 65 List: not listed 1000 ppm inhalation, ingestion, skin and/or eye contact Eyes, skin, respiratory system, central nervous system, liver, blood, repri- irritation eyes, skin, nose; headache, drowsiness, lassitude (weakness, e luctive, teratogenic	oductive system
13	Chemical: TSCA Inventory: ACGIH: Exposure Routes: Target Organs: Symptoms: liver damage; anemia	a; reproc	listed California Proposition 65 List: not listed 1000 ppm inhalation, ingestion, skin and/or eye contact Eyes, skin, respiratory system, central nervous system, liver, blood, repri- irritation eyes, skin, nose; headache, drowsiness, lassitude (weakness, e luctive, teratogenic not listed Canada CEPA 1999: DSL yes not listed, Japan PDSCL: not listed	oductive system
13	Chemical: TSCA Inventory: ACGIH: Exposure Routes: Target Organs: Symptoms: liver damage; anemia Australia NICNAS: Japan CSCL/PRTR: Japan ISHL:	a; reproc	listed California Proposition 65 List: not listed 1000 ppm inhalation, ingestion, skin and/or eye contact Eyes, skin, respiratory system, central nervous system, liver, blood, repri- irritation eyes, skin, nose; headache, drowsiness, lassitude (weakness, e luctive, teratogenic not listed Canada CEPA 1999: DSL yes not listed, Japan PDSCL: not listed listed ≥0,1%/≥0,1%, Article 57-2 (SDS required)	oductive system
13	Chemical: TSCA Inventory: ACGIH: Exposure Routes: Target Organs: Symptoms: liver damage; anemia Australia NICNAS: Japan CSCL/PRTR: Japan ISHL: South Korea TCCA:	a; reproc	listed California Proposition 65 List: not listed 1000 ppm inhalation, ingestion, skin and/or eye contact Eyes, skin, respiratory system, central nervous system, liver, blood, reprint irritation eyes, skin, nose; headache, drowsiness, lassitude (weakness, eluctive, teratogenic not listed Inot listed Canada CEPA 1999: DSL yes not listed, Japan PDSCL: not listed listed ≥0,1%/≥0,1%, Article 57-2 (SDS required) not listed	oductive system
13	Chemical: TSCA Inventory: ACGIH: Exposure Routes: Target Organs: Symptoms: liver damage; anemia Australia NICNAS: Japan CSCL/PRTR: Japan ISHL: South Korea TCCA: Korea Exist.Chem.In	a; reproc	listed California Proposition 65 List: not listed 1000 ppm inhalation, ingestion, skin and/or eye contact Eyes, skin, respiratory system, central nervous system, liver, blood, repri- irritation eyes, skin, nose; headache, drowsiness, lassitude (weakness, el luctive, teratogenic not listed Canada CEPA 1999: DSL yes not listed, Japan PDSCL: not listed listed 20,1%/20,1%, Article 57-2 (SDS required) not listed KE-13217	oductive system
13	Chemical: TSCA Inventory: ACGIH: Exposure Routes: Target Organs: Symptoms: liver damage; anemia Australia NICNAS: Japan CSCL/PRTR: Japan ISHL: South Korea TCCA: Korea Exist.Chem.In LD50 _{orl rat} :	a; reproc	listed California Proposition 65 List: not listed 1000 ppm inhalation, ingestion, skin and/or eye contact Eyes, skin, respiratory system, central nervous system, liver, blood, repri- irritation eyes, skin, nose; headache, drowsiness, lassitude (weakness, el luctive, teratogenic not listed Canada CEPA 1999: DSL yes not listed, Japan PDSCL: not listed listed ≥0,1%/≥0,1%, Article 57-2 (SDS required) not listed KE-13217 6200 mg/kg	oductive system
13	Chemical: TSCA Inventory: ACGIH: Exposure Routes: Target Organs: Symptoms: liver damage; anemia Australia NICNAS: Japan CSCL/PRTR: Japan ISHL: South Korea TCCA: Korea Exist.Chem.In LD50ort rat: LC_Lowihl gpg :	a; reproc	listed California Proposition 65 List: not listed 1000 ppm inhalation, ingestion, skin and/or eye contact Eyes, skin, respiratory system, central nervous system, liver, blood, repri- irritation eyes, skin, nose; headache, drowsiness, lassitude (weakness, el luctive, teratogenic not listed Canada CEPA 1999: DSL yes not listed ≥0,1%/≥0,1%, Article 57-2 (SDS required) not listed KE-13217 6200 mg/kg 21.9 g/m ³	oductive system
13	Chemical: TSCA Inventory: ACGIH: Exposure Routes: Target Organs: Symptoms: liver damage; anemia Australia NICNAS: Japan CSCL/PRTR: Japan ISHL: South Korea TCCA: Korea Exist.Chem.In LD50ort rat: LC_Lowihl gpg: LC_Lowort hmn :	a; reproc	listed California Proposition 65 List: not listed 1000 ppm inhalation, ingestion, skin and/or eye contact Eyes, skin, respiratory system, central nervous system, liver, blood, repri- irritation eyes, skin, nose; headache, drowsiness, lassitude (weakness, eluctive, teratogenic not listed Canada CEPA 1999: DSL yes not listed, Japan PDSCL: not listed listed ≥0,1%/≥0,1%, Article 57-2 (SDS required) not listed KE-13217 6200 mg/kg 21.9 g/m³ 1400 mg/kg	oductive system
13	Chemical: TSCA Inventory: ACGIH: Exposure Routes: Target Organs: Symptoms: liver damage; anemia Australia NICNAS: Japan CSCL/PRTR: Japan ISHL: South Korea TCCA: Korea Exist.Chem.In LD50ort rat: LC_Lowihl gpg :	a; reproc	listed California Proposition 65 List: not listed 1000 ppm inhalation, ingestion, skin and/or eye contact Eyes, skin, respiratory system, central nervous system, liver, blood, repri- irritation eyes, skin, nose; headache, drowsiness, lassitude (weakness, el luctive, teratogenic not listed Canada CEPA 1999: DSL yes not listed ≥0,1%/≥0,1%, Article 57-2 (SDS required) not listed KE-13217 6200 mg/kg 21.9 g/m ³	oductive system
13	Chemical: TSCA Inventory: ACGIH: Exposure Routes: Target Organs: Symptoms: liver damage; anemia Australia NICNAS: Japan CSCL/PRTR: Japan ISHL: South Korea TCCA: Korea Exist.Chem.In LD50orl rat : LC_LoWihl gpg : LC_LoWorl hmn : LC50ihl mouse : LC50ihl rat : LD50drm rbt :	a; reproc	listed California Proposition 65 List: not listed 1000 ppm inhalation, ingestion, skin and/or eye contact Eyes, skin, respiratory system, central nervous system, liver, blood, repri- irritation eyes, skin, nose; headache, drowsiness, lassitude (weakness, el luctive, teratogenic not listed Canada CEPA 1999: DSL yes not listed, Japan PDSCL: not listed listed ≥0,1%/≥0,1%, Article 57-2 (SDS required) not listed KE-13217 6200 mg/kg 21.9 g/m ³ 1400 mg/kg [4h] 39 g/m ³ 20 000 mg/kg	oductive system
13	Chemical: TSCA Inventory: ACGIH: Exposure Routes: Target Organs: Symptoms: liver damage; anemia Australia NICNAS: Japan CSCL/PRTR: Japan ISHL: South Korea TCCA: Korea Exist.Chem.In LD50 _{orl rat} : LC_Loworl hmn: LC50 _{ihl mouse} : LC50 _{ihl rat} :	a; reproc	listed California Proposition 65 List: not listed 1000 ppm inhalation, ingestion, skin and/or eye contact Eyes, skin, respiratory system, central nervous system, liver, blood, repri- irritation eyes, skin, nose; headache, drowsiness, lassitude (weakness, e luctive, teratogenic not listed Canada CEPA 1999: DSL yes not listed Canada CEPA 1999: DSL yes not listed ≥0,1%/≥0,1%, Article 57-2 (SDS required) not listed KE-13217 6200 mg/kg 21.9 g/m ³ 1400 mg/kg [4h] 39 g/m ³ [10h] 20 g/m ³	oductive system
13	Chemical: TSCA Inventory: ACGIH: Exposure Routes: Target Organs: Symptoms: liver damage; anemia Australia NICNAS: Japan CSCL/PRTR: Japan ISHL: South Korea TCCA: Korea Exist.Chem.In LD50orl rat : LC_LoWihl gpg : LC_LoWorl hmn : LC50ihl mouse : LC50ihl rat : LD50drm rbt :	a; reproc	listed California Proposition 65 List: not listed 1000 ppm inhalation, ingestion, skin and/or eye contact Eyes, skin, respiratory system, central nervous system, liver, blood, repri- irritation eyes, skin, nose; headache, drowsiness, lassitude (weakness, el luctive, teratogenic not listed Canada CEPA 1999: DSL yes not listed, Japan PDSCL: not listed listed ≥0,1%/≥0,1%, Article 57-2 (SDS required) not listed KE-13217 6200 mg/kg 21.9 g/m ³ 1400 mg/kg [4h] 39 g/m ³ 20 000 mg/kg	oductive system
13	Chemical: TSCA Inventory: ACGIH: Exposure Routes: Target Organs: Symptoms: liver damage; anemia Australia NICNAS: Japan CSCL/PRTR: Japan ISHL: South Korea TCCA: Korea Exist.Chem.In LD50orl rat : LC_Lowihl gpg : LC_Loworl hmn : LC50ihl mouse : LC50ihl mouse : LC50ihl mouse : LD50oral mouse : TRGS 905 (DE):	a; reproc	listed California Proposition 65 List: not listed 1000 ppm inhalation, ingestion, skin and/or eye contact Eyes, skin, respiratory system, central nervous system, liver, blood, repri- irritation eyes, skin, nose; headache, drowsiness, lassitude (weakness, el luctive, teratogenic not listed Canada CEPA 1999: DSL yes not listed Canada CEPA 1999: DSL yes not listed Canada CEPA 1999: DSL yes not listed 20,1%/20,1%, Article 57-2 (SDS required) not listed KE-13217 6200 mg/kg 21.9 g/m ³ 1400 mg/kg [4h] 39 g/m ³ 20 000 mg/kg 3450 mg/kg K5, M5, R _F C chloride CAS No.: 74-	oductive system exhaustion), narcosis; cough
13	Chemical: TSCA Inventory: ACGIH: Exposure Routes: Target Organs: Symptoms: liver damage; anemia Australia NICNAS: Japan CSCL/PRTR: Japan ISHL: South Korea TCCA: Korea Exist.Chem.In LD50orl rat : LC_LoWinl gpg : LC_LoWorl hmn : LC50ihl mouse : LC50ihl mouse : LC50ihl rat : LD50drm rbt : LD50oral mouse : TRGS 905 (DE): Chemical: TSCA Inventory:	a; reproc ventory: <i>lithium</i>	listed California Proposition 65 List: not listed 1000 ppm inhalation, ingestion, skin and/or eye contact Eyes, skin, respiratory system, central nervous system, liver, blood, repri- irritation eyes, skin, nose; headache, drowsiness, lassitude (weakness, ele luctive, teratogenic not listed Canada CEPA 1999: DSL yes not listed Canada CEPA 1999: DSL yes not listed ≥0,1%/≥0,1%, Article 57-2 (SDS required) not listed KE-13217 6200 mg/kg 21.9 g/m ³ 1400 mg/kg [4h] 39 g/m ³ [10h] 20 g/m ³ 20 000 mg/kg 3450 mg/kg K5, M5, R _F C CAS No.: 744 listed	oductive system exhaustion), narcosis; cougł
13	Chemical: TSCA Inventory: ACGIH: Exposure Routes: Target Organs: Symptoms: liver damage; anemia Australia NICNAS: Japan CSCL/PRTR: Japan ISHL: South Korea TCCA: Korea Exist.Chem.In LD50orl rat : LC_Lowihl gpg : LC_Loworl hmn : LC50ihl mouse : LC50ihl mouse : LC50ihl mouse : LD50oral mouse : TRGS 905 (DE):	a; reproc ventory: <i>lithium</i>	listed California Proposition 65 List: not listed 1000 ppm inhalation, ingestion, skin and/or eye contact Eyes, skin, respiratory system, central nervous system, liver, blood, repri- irritation eyes, skin, nose; headache, drowsiness, lassitude (weakness, ele luctive, teratogenic not listed Canada CEPA 1999: DSL yes not listed Canada CEPA 1999: DSL yes not listed ≥0,1%/≥0,1%, Article 57-2 (SDS required) not listed KE-13217 6200 mg/kg 21.9 g/m ³ 1400 mg/kg [4h] 39 g/m ³ [10h] 20 g/m ³ 20 000 mg/kg 3450 mg/kg K5, M5, R _F C CAS No.: 744 listed	oductive system exhaustion), narcosis; cough
13	Chemical: TSCA Inventory: ACGIH: Exposure Routes: Target Organs: Symptoms: liver damage; anemia Australia NICNAS: Japan CSCL/PRTR: Japan ISHL: South Korea TCCA: Korea Exist.Chem.In LD50ort rat : LC_Lowihl gpg : LC_Lowort hmn : LC50ihl mouse : LC50ihl mouse : LC50ihl rat : LD50oral mouse : TRGS 905 (DE): Chemical: TSCA Inventory: Korea Exist.Chem.In LD50 _{ort rat} :	a; reproc ventory: <i>lithium</i> ventory:	listed California Proposition 65 List: not listed 1000 ppm inhalation, ingestion, skin and/or eye contact Eyes, skin, respiratory system, central nervous system, liver, blood, reprint tation eyes, skin, nose; headache, drowsiness, lassitude (weakness, eluctive, teratogenic not listed Canada CEPA 1999: DSL yes not listed KE-13217 6200 mg/kg 21.9 g/m³ 1400 mg/kg [4h] 39 g/m³ [10h] 20 g/m³ 20 000 mg/kg 3450 mg/kg K5, M5, R _F C chloride CAS No.: 74 listed KE-22552 526 mg/kg S26 mg/kg	oductive system exhaustion), narcosis; cough
13	Chemical: TSCA Inventory: ACGIH: Exposure Routes: Target Organs: Symptoms: liver damage; anemia Australia NICNAS: Japan CSCL/PRTR: Japan ISHL: South Korea TCCA: Korea Exist.Chem.In LD50ort rat: LC_Lowinl gpg : LC_Lowort hmn : LC50ihl mouse : LC50ihl rat : LD50oral mouse : TRGS 905 (DE): Chemical: TSCA Inventory: Korea Exist.Chem.In	a; reproc ventory: <i>lithium</i> ventory:	listed California Proposition 65 List: not listed 1000 ppm inhalation, ingestion, skin and/or eye contact Eyes, skin, respiratory system, central nervous system, liver, blood, repri- irritation eyes, skin, nose; headache, drowsiness, lassitude (weakness, el luctive, teratogenic not listed Canada CEPA 1999: DSL yes not listed, Japan PDSCL: not listed listed ≥0,1%/≥0,1%, Article 57-2 (SDS required) not listed KE-13217 6200 mg/kg 21.9 g/m ³ 1400 mg/kg [4h] 39 g/m ³ [10h] 20 g/m ³ 20 000 mg/kg 3450 mg/kg K5, M5, R _F C chloride CAS No.: 744 listed KE-22552	oductive system exhaustion), narcosis; cough



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	40142.10 a data: 12.05.2021		NucleoBond RNA Soil Mini (10) Date of issue: 17.02.2021		Page: 13/1	
Prinung	g date: 12.05.2021					
	3 mL OPT Chemical: a TSCA Inventory: Korea Exist.Chem.Inve	acetate buffer solu all listed entory: listed	tion	CAS No.: -		
	13 mL RNase-free H Chemical: K TSCA Inventory: Korea Exist.Chem.Inve	<i>water</i> listed		CAS No.: 7732-18-5		
SECT	ION 12: Ecological	informatio	n			
12.1	Toxicity Following information is valid for pure substances.					
	6 mL AQ Chemical: Water hazard clas Storage class (VC	ss (DE):	s, declaration not necessary 1 12-13	CAS No.: -		
	13 mL E1 Chemical: LC50 _{daphnia} magna LC50 _{fish/96h} : Water hazard clas Dispersion coeffic Storage class (VC	ss (DE): :ient _(octanol-water) :	e, so <i>dium salt</i> 6.3 mg/L 1.31-22.5 mg/L 2 1.6 12-13	CAS No.: 151-21-3		
	Chemical: Water hazard clas Storage class (VC		de 1 12-13	CAS No.: 7647-14-5		
	Chemical: PNEC(fresh water) : PNEC = Predicted No LC50fish/96h : EC50pseudokirchner EC10pseudomonas Water hazard class Dispersion coeffic Storage class (VC	Effected Concentration riella subcapitata/72h : putita/16h : ss (DE): ient(octanol-water) :	ethyl)aminomethane no data mg/L LD0 (4d): 1-10 g/L 397; _{48h} : 473 mg/L 1 _{3h} g/L 2 -1.56 12-13	CAS No.: 77-86-1		
	10 mL E2 Chemical: Storage class (VC	acetate buffer CI):	solution 12	CAS No.: -		
	13 mL E3 Chemical:	water		CAS No.: 7732-18-5		
	30 mL E4 Chemical: PNEC(fresh water) : PNEC = Predicted NO LC50fish/96h : EC50daphnia/48h : IC50scenedesmus qu EC10pseudomonas Water hazard class Dispersion coeffic Storage class (VC	Effected Concentration uadricauda/72h : putita/16h : ss (DE): ient(octanol-water) :	42.4 µg/L	CAS No.: 593-84-0		



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REF: 74 Printing	0142.10 date: 12.05.2021	NucleoBond RNA Soil Mini (10) Date of issue: 17.02.2021	Page: 14/1
	Chemical: ethanol PNEC(fresh water) : PNEC = Predicted No Effected Concentration	0.96 mg/L	CAS No.: 64-17-5d
	LC50daphnia magna/48h : LC50pimephales promelas/96h : LC50leuciscus idus/96h : LC50fish/96h :	>100 g/L 13.4-15.1 g/L [48h] 8.14 g/L 13 g/L	
	EC50 _{daphnia} /48h : IC50 _{scenedesmus} quadricauda/72h : EC10 _{pseudomonas} putita/16h : Water hazard class (DE): Dispersion coefficient _(octanol-water) : Storage class (VCI):	9.3-14.2 g/L [7d] 5000 mg/L [EC5] 6500 mg/L 1 WGK No.: 0096 -0.31 3	
	30 mL EQU Chemical: potassium ch Water hazard class (DE):	1	CAS No.: 7447-40-7
	Storage class (VCI):	12-13	
	13 mL ERNA Chemical: ethanol PNEC(fresh water) : PNEC = Predicted No Effected Concentration	0.96 mg/L	CAS No.: 64-17-5d
	LC50daphnia magna/48h : LC50pimephales promelas/96h : LC50leuciscus idus/96h : LC50fish/96h : EC50daphnia/48h :	>100 g/L 13.4-15.1 g/L [48h] 8.14 g/L 13 g/L 9.3-14.2 g/L [7d] 5000 mg/L	
	IC50 _{scenedesmus} quadricauda/72h EC10 _{pseudomonas} putita/16h Water hazard class (DE): Dispersion coefficient(_{octanol-water}) : Storage class (VCI):	[EC5] 6500 mg/L 1 WGK No.: 0096	
	Chemical: lithium chlorid PNEC(fresh water) : PNEC = Predicted No Effected Concentratio		CAS No.: 7447-41-8
	LC50fish/96h : EC50 _{daphnia} /48h : EC50 _{pseudokirchneriella subcapitata/72h Water hazard class (DE): Storage class (VCI):}	158 mg/L 249 mg/L : IC50/72h: 400 mg/L 1 12-13	
	Chemical: chemicals/mi Water hazard class (DE): Storage class (VCI):	ixture < 1% 1 12-13	CAS No.: -
	3 mL OPT Chemical: acetate buffe Storage class (VCI):	er solution 12	CAS No.: -
	13 mL RNase-free H ₂ O Chemical: water		CAS No.: 7732-18-5
2.2	Persistence and degradability not necessary		
2.3	Bioaccumulative potential not necessary		
2.4	Mobility in soil not necessary		
2.5	Results of PBT and vPvB assess	ment	



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

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12.6

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no data available

Other adverse effects

no additional data available

SECTION 13: Disposal considerations

Do not collect in acidic waste. May form toxic gases. 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 - 14.4: No dangerous goods according the transport regulations (Ethanol: ADR SI144/ IATA A58)

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
- 16.1.1 List of relevant H phrases
 - H226 Flammable liquid and vapour.
- 16.1.2 List of relevant P phrases P210 Keep

Keep away from heat/sparks/open flames/hot surfaces. No smoking.

16.2 Training advice

Regular safety training.

16.3 Recommended restriction on use

Only for professional user.

An individual package of this product or test kit has a moderate hazardous potential.

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.

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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, 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 2017-11 Adaption of ECHA Registration dossier

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