# **1ACHEREY-NAGEI**



# Safety Data Sheet

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

REF: 740416.10	NucleoBond Xtra Maxi Plus (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 740416.10 NucleoBond Xtra Maxi Plus (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 180 mL ELU
1 x 500 mL EQU
1 x 150 mL LYS
1 x 150 mL NEU
1 x 150 mL RES
1 x 0.6-100 mg RNase A (Iyo)
1 x 13 mL TRIS
1 x 300 mL WASH

#### 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

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



Signal word

DANGER

Hazard identification	Hazard classes/categories
H226	Flam. Liq. 3
H315	Skin Irrit. 2
H319	Eye Irrit. 2
H334	Resp. Sens. 1

#### 2.1 Classification of the substance or mixture

180 mL ELU

+49 24 21 969-0

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ACHEREY-NAGE (MN> ISO 9001 CERTIFIEI

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

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



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REF: 740416.10 Printing date: 12.05.2021	NucleoBond Xtra Maxi Plus (10) Date of issue: 17.02.2021	Page: 2/ <sup>-</sup>
	GHS02 GHS07	
Signal word	WARNING	
Hazard identification	Hazard classes/categories	
H226 H319	Flam. Liq. 3 Eye Irrit. 2	
500 mL EQU		
Signal word	Do not need labelling as hazardous -	
No hazard class		
150 mL LYS		
	$\wedge$	
	GHS07	
Signal word	WARNING	
Hazard identification H315	Hazard classes/categories Skin Irrit. 2	
H319	Eye Irrit. 2	
150 mL NEU		
Signal word	Do not need labelling as hazardous -	
No hazard class		
150 mL RES		
Signal word	Do not need labelling as hazardous -	
No hazard class		
0.6-100 mg RNase A (Iyo)		
	GHS08	
Signal word	DANGER	
Hazard identification	Hazard classes/categories	
H334	Resp. Sens. 1	

Do not need labelling as hazardous



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+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 www.mn-net.com



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REF: 740416.10 NucleoBond Xtra Maxi Plus (10) Page: 3/16 Printing date: 12.05.2021 Date of issue: 17.02.2021 Signal word No hazard class 300 mL WASH Signal word WARNING Hazard identification Hazard classes/categories H226 Flam. Liq. 3

#### 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.

### 180 mL ELU



Signal word: WARNING

H226, H319 Flammable liquid and vapour. Causes serious eye irritation.

P210, P280sh Keep away from heat/sparks/open flames/hot surfaces. No smoking. Wear protective gloves/eye protection.

500 mL EQU

Do not need labelling as hazardous Signal word: -

### 150 mL LYS



Signal word: WARNING

H315, H319 Causes skin irritation. Causes serious eye irritation.

P280sh Wear protective gloves/eye protection.

### 150 mL NEU

Do not need labelling as hazardous Signal word: -

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# **IACHEREY-NAGEI**



# Safety Data Sheet

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

REF: 740416.10 Printing date: 12.05.2021 NucleoBond Xtra Maxi Plus (10) Date of issue: 17.02.2021

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### 150 mL RES

Do not need labelling as hazardous Signal word: -

## 0.6-100 mg RNase A (lyo)

GHS08

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.

### 13 mL TRIS

Do not need labelling as hazardous Signal word: -

### **300 mL WASH**



GHS02

Signal word: WARNING

H226 Flammable liquid and vapour.

P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.

#### 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. Vapour forms explosive mixtures with air -

Information pertaining to particular risks to human and possible symptoms Cause after 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

180 mL ELU



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

mining date: 12.05.2021 Date of issue: 17.02.2021 Chemical: 2-program Chemical: 2-program Chemical: 12.05.2021 CAS No: 67-63-0 CAS No: 74-74-0-7 Cassification: 10 - 15% acc. CLP (GHS): H226, Flam. Liq. 3, H319, Eye Infl. 2 CAS No: 7447-40-7 Cassification: 10 - 15% acc. CLP (GHS): H226, Flam. Liq. 3, H319, Eye Infl. 2 CAS No: 7447-40-7 Cassification: 10 - 15% acc. CLP (GHS): H226, Flam. Liq. 3, H319, Eye Infl. 2 CAS No: 7447-40-7 Cassification: No: 01-2119359416-38-cocx EC No: 231-211-8 TRCA Integra 12.055 acc. CLP (GHS): The onterior for deat-flam on neutring of chemical not required. TRCA Integra 12.055 acc. CLP (GHS): The onterior for deat-flam on neutring of chemical not required. TRCA Integra 12.055 acc. CLP (GHS): The onterior for deat-flam on neutring of chemical not required. TRCA Integra 12.055 acc. CLP (GHS): The onterior for deat-flam on neutring of chemical not required. TRCA Integra 12.055 acc. CLP (GHS): The onterior for deat-flam on neutring of chemical not required. TRCA Integra 12.055 acc. CLP (GHS): The onterior for deat-flam on neutring of chemical not required. TRCA Integra 12.055 acc. CLP (GHS): The onterior for deat-flam on neutring of chemical not required. TRCA Integra 12.055 acc. CLP (GHS): The onterior for administration are not fulfiled. 50 mL EOU Chemical: chemical software on the output of the deat-flam on neutring of chemical not required. TRCA Integra 12.055 acc. CLP (GHS): The onterior for administration are not fulfiled. 50 mL EOU Chemical: chemical software on the output of the deat-flam on neutring of chemical not required. TRCA Integra 12.055 Treatment to the data-flam on the output of the outpu	REF: 740416.10	224	NucleoBond Xtra Max	· · /	Page: 5/16
Classification: 4225, Film. Ltz, 2, H319, Eye Intl. 2, H336, STOT SE 3 Percentation: 0, 1425, Film. Ltz, 2, H319, Eye Intl. 2, H336, STOT SE 3 Percentation: 0, 1425, Film. Ltz, 2, H319, Propan-2-0 TSCA Inventory: Isstel RC No. Reg. No. 2020-661-7 RTEC/S: NT8950000 MFCD: 00011674 KE No. KE-29363 Concentration: 10 - 415 %, a, H319, Eye Intl. 2 Chemical: potassium chloride CC Provide: KC No. 11, 1420, Film. Ltz, 1, H319, Eye Intl. 2 Chemical: potassium chloride CC Provide: KC No. 11, 1419, Eye Intl. 2 Chemical: potassium chloride CC Provide: KC No. 11, 1419, Eye Intl. 2 Chemical: potassium chloride CC Provide: KC No. 11, 1419, Eye Intl. 2 Chemical: potassium chloride CC Provide: KC No. 11, 1419, Eye Intl. 2 Chemical: potassium chloride CC Provide: KC No. 11, 1419, Eye Intl. 2 Chemical: potassium chloride CC CP (FIRS); The crimina for classification or naming of chemical not required. TSCA Inventory: Issie CC CP (FIRS); The crimina for classification or naming of chemical not required. TSCA Inventory: Issie International Contention of the Internation or required. CC CP (FIRS); The crimina for classification or naming of chemical not required. TSCA Inventory: Issie Internation or naming of chemical not required. TSCA Inventory: Issie Internation or naming of chemical not required. TSCA Inventory: Issie Internation or naming of chemical not required. TSCA Inventory: Issie Internation or naming of chemical not required. TSCA Inventory: Issie Internation or naming of chemical not required. TSCA Inventory: Issie Internation or naming of chemical not required. TSCA Inventory: Issie Internation or naming of chemical not required. TSCA Inventory: Issie Internation or naming of chemical not required. TSCA Inventory: Issie Internation or naming of chemical not required. TSCA Inventory: Issie Internation or naming of chemical not required. TSCA Inventory: Issie Internation or naming of chemical not required. TSCA Inventory: Issie Internation or naming of chemical not required. TSCA Invent	rinting date: 12.05.20	)21	Date of issue: 17.02.2	021	
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Peeudonym:         is poropanol. IPA, propan-2-ol TSCA. Inventory:         listed REACH Reg. No.:         01-21194/37582-5-XXXX           EC No.:         200-601-7.         Indice No.::         603-117-00-0           RTECS:         W18050000         MFCD:         00011074           Concentration:         K0 - K15 %         00011074         00011074           Concentration:         No.: 45 %         00011074         00011074           Concentration:         No.: 615 %         00011074         00011074           Classification:         No.: 615 %         00011380         00011380           RE No::         KC         TSCA. Investory:         00011380         00011380           RE No::         KC         Technicatic contantification or naming of chemical not negulated.         00011380           RE No::         KC 20066         00011380         CAS No:: -         0011380           Consolitation:         1.4 - 10 %         000.: -         00011380         CAS No:: -           Classification:         No:: notassitum chloride         CAS No:: 7447-40-7         Classification:         00011380           Concentration:         0.1 - 41 %         Concentration:         0.1 - 41 %         00011380           Generalisticatin or classification:         No:: fordassiticat				2, H336, STOT SE 3	
TSCA Inventory:       listed         REACH Rey, No.:       01-2119457558-25-XXX         EC No::       200-661-7         Indice No::       603-117-00-0         INC.       MC23930         Go No::       KC229303         acc. CLP (GHS):       H226, Flam. Lip, 3, H319, Eye Init. 2         Chemical:       colorstum chorinoire       CAS No:: 7447-40-7         Classification:       No criteria to classification or naming of chemical not nequired.       Formula         FORMING:       No: 11930416-36-xxx       E         EXEXP. MER.NO:       01-211930416-36-xxx       E         EXEXP. MER.NO:       12-211930416-36-xxx       E         EXEXP. MER.NO:       12-211930416-36-xxx       E         EXEXP. MER.NO:       12-211930416-36-xxx       E         Chemical:       chemical rot instantation on naming of chemical not nequired.       CAS No:: 7447-40-7         Classification:       No criteria for classification are not fulfiled.       CAS No:: 7447-40-7         Classification:       No criteria for classification on naming of chemical not nequired.       Formula         S00 mL EOU       Chemical: codesime for classification or naming of chemical not nequired.       Formula         S01 mE EOU       Chemical: codesime for classification or naming of chemical not nequired. <td></td> <td>Formula:</td> <td>C<sub>3</sub> H<sub>8</sub> O</td> <td></td> <td></td>		Formula:	C <sub>3</sub> H <sub>8</sub> O		
REACH Reg. No:       01-2119437582-52-XXXX         EC No:       200-68177         MFECD:       00011874         MEE No:       KE 29063         Connentration:       10 - 415 %         acc:       CLP (015)       H236, Fam., Ltq. 3, H319, Eye Irnt. 2         Chemical:       potentials in clusteria       CAS No: 7447-40-7         Classification:       No relation in a maining of chemical not required.       Formula         Formula:       KCI       TSCA Inventory:       Itsld         REACH Reg. No:       01-211953916-36-xxx       EC No:       200-11360         CD No:       211953       The central or classification or naming of chemical not required.       CAS No:: 7447-40-7         Classification:       No relation is or classification or naming of chemical not required.       CAS No:: -       Classification:         Acc:       CLP (015):       The centeral or classification or naming of chemical not required.       CAS No:: -       Classification:         S00 mL EQU       Chemical:       potassification or naming of chemical not required.       CAS No:: 7447-40-7         Classification:       No relation is classification or naming of chemical not required.       TSCA Inventory:       all listed, 11%         Concentration:       N-1 - 1 %       CAS No:: 7447-40-7       Classification					
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RTECS:       NT8050000       MFCD:       00011674         KE No.:       KE 28363       Concentration:       10 - 415 %         acc. CLP (GHS):       122.6 [Han. Lig. 3, H319, Eye Intt. 2       CAS No.: 7447-40-7         Classification:       No.: orderite for classification or naming of chemical not required.       CAS No.: 7447-40-7         Classification:       No.: 012.111653 MIC. 2000       MFCD:       00011380         REACH Reg. No.:       0.12.11165 MIC. 2000       MFCD:       00011380         KE No.:       KE S2086       Concentration:       1 - <10 %					000 447 00 0
KE No.:       KE-29363 concentration:       1015 % acc. CLP (GHS):       H220, Flam. Lu, 3, H319, Eye Init. 2         Chemical:       potassium chloride       CAS No.: 7447-40-7         Classification:       No.: criteria for classification or naming of chemical not required. Formula:       KC         REACH Reg. No.:       231-211-8       MC         REACH Reg. No.:       231-211-8       MC         REACH Reg. No.:       231-211-8       MC         REACH Reg. No.:       1-10 %       MC         acc. CLP (GHS):       The oriental constantiation are not fullited.       CAS No.: -         Classification:       No.:       ASS No.: -       Classification         No.:       Classification:       No.:       ASS No.: -       Classification         Store CLP (GHS):       The orients for classification are not fullited.       CAS No.: -       Classification:         Store CLP (GHS):       The orients for classification or naming of chemical not required.       Cass No.: 7447-40-7         Gassification:       No.: 101-2119539416-36-xoox       EO No.: 7447-40-7         Classification:       No.: 12119539416-36-xoox       EO No.: 7447-40-7         Classification:       No.: 12119539416-36-xoox       EO No.: 7447-40-7         Classification:       No: 121219539416-36-xoox       EO No.: 7					
Concentration:       10 - 115 %         acc. CLP (GHS):       H226, Flam. Liq. 3, H319, Eye Init. 2         Chemical:       potassium chloride       CAS No.: 7447-40-7         Classification:       No criteria for classification or naming of chemical not required.       Formula:         Formula:       KCL       TSCA Inventory:       Isleed         REACH Reg. No.:       01 - 211539416-36-xxxx       00011360       00011360         REACH Reg. No.:       01 - 2116539416-36-xxxx       CAS No.: -       -         Classification:       1 - 610 %       CAS No.: -       -         acc. CLP (GHS):       The orients for classification or naming of chemical not required.       CAS No.: -         Classification:       0.1 - 61 %       CAS No.: -       -         acc. CLP (GHS):       The orients for classification or naming of chemical not required.       -       -         S00 mL EOU       Chemical:       notasification or naming of chemical not required.       -       -         CAS Inventory:       Isleed       MCC       -       -       -         Chemical:       potassium chloride       CAS No.: 7447-40-7       -       -         Classification:       No : 1912-19359416-36-xxxx       EO No.:       -       -       -         S0				MFCD.	00011074
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Classification:       No. anterior to classification or naming of chemical not required.         Formula:       KCI         TSCA Inventory:       listed         REACH Reg. No:       01-2119539416-38-xxxx         EC No:       231-211-8         RTECS:       TS805000       MFCD:       00011360         KE No::       KE-29086       Concentration:       1-101 %         acc. CLP (CHS):       The anteria tor classification are not fulfiled.       CAS No:: -         Classification:       No concentration or naming of chemical not required.       Software         Store       Chemical:       chemical: software <1%				2	
Formula:       KCl         TSCA Inventory:       listed         REACH Reg. No:       101-2119539416-36-xxxx         EC No:       231-211-6         RTECS:       TS5005000         ME No:       11-410 %         acc. CLP (CHS):       The criteria for classification are not fulfiled.         Chemical:       chemicals/mixture < 1%		Chemical: potas	sium chloride		CAS No.: 7447-40-7
TSCA Inventory:       isted         REACH Reg. No:       1:211839416:36-xxxx         EC No:       231-211-8         RTECS:       TS805000       MFCD:       00011360         KE No:       KE-29086       Concentration:       1-<10 %		Classification:	No criteria for classification or naming of che	mical not required.	
REACH Reg. No.:01-2119339416-36-xxxxEC No.:231-211-8RTECS:TS8050000MFCD:00011360KE No.:KE-29086Concentration:1 - 410 %acc. CLP (GHS):The ordenia for classification are not fulfilled.Classification:No criteria for classification or naming of chemical not required.TSGA Inventory:Iisted, -1%Calassification:No criteria for classification are not fulfilled.S00 mL EQUConcentration:Ordenical:potential for classification or naming of chemical not required.Formula:No criteria for classification or naming of chemical not required.Formula:potential:formical:potential for classification or naming of chemical not required.Formula:KClTSGA Inventory:IistedRECC:231-211-8RTECS:TS8005000ME RACH Reg. No::01-2119539416-36-xxxxEC No::231-211-8RTECS:TS800500ME No::KE-29086Concentration:1 - 410 %acc. CLP (GHS):The orteria for classification are not fulfilled.150 mL LYSCAS No::Classification:H34, Skin Corr. 18Formula:soddum hydroxide solution (diluted < 2 %)					
EC No.:       231-211-8         RTECS:       TS8005000       MFCD:       00011360         KE No.:       KE-29086       Concentration:       1- <10 %					
RTECS:       TS8050000       MFCD:       00011360         KE No::       KE-29086       Concentration:       1 - 410 %         acc: CLP (GHS):       The criteria tor classification are not fulfilled.       CAS No.: -         Classification:       No criteria for classification or naming of chemical not required.       CAS No.: -         TSCA Inventory:       Ilisted, -1%       CAS No.: -         Classification:       No criteria for classification or naming of chemical not required.       CAS No.: 7447-40-7         Classification:       No criteria for classification or naming of chemical not required.       CAS No.: 7447-40-7         Classification:       No criteria for classification or naming of chemical not required.       CAS No.: 7447-40-7         Classification:       No criteria for classification or naming of chemical not required.       Concentration:         Formula:       KCI       TSCA Inventory:       Ilisted         RTECS:       TS8050000       MFCD:       00011360         KE No.:       KE-29086       Concentration:       1 - 410 %         Concentration:       1 - 410 %       CAS No:: 1310-73-2d       Classification:         Classification:       Hacriteria for classification are not fulfilled.       11002-00-6       RTEACH Reg. No:: 01-2114877892-27-xxxx         EC No:       Cassification:<					
KE No.:       KE-29086         Concentration:       1-410 %         acc: CLP (GHS):       The orderia for classification are not fulfilled.         Classification:       No. crients for classification or naming of chemical not required.         TSCA. Inventory:       all listed.         Concentration:       0.1 - 61 %         acc:       CLP (GHS):         The orderation or classification or naming of chemical not required.         Formula:       potential:         classification:       No. crients for classification or naming of chemical not required.         Formula:       potential:         potential:       potential:         classification:       No. crients in classification or naming of chemical not required.         Formula:       potential:         potential:       potential:         rescored:       22.211.8         REACH Reg. No.:       0.152.011.860         Concentration:       1.419.5304.16-36-xxxx         EC No.:       22.82066         Concentration:       1.419.5304.16-36-xxxx         EC No.:       21.8208.00         M FCD:       00011360         KE No:       1.100.11.90         Classification:       H314. Skin Corr. 18         Formula:       so					00011260
Concentration: 1 - 410 % acc. CLP (GHS): The criteria for classification are not fulfilled. Chemical: chemicals/mixture < 1% KE No: listed Concentration: 0.1 - 41 % acc. CLP (GHS): The criteria for classification are not fulfilled. 500 mL EQU Chemical: jotassium chloride Concentration: 0.1 - 41 % acc. CLP (GHS): The criteria for classification are not fulfilled. 500 mL EQU Chemical: jotassium chloride Classification: No criteria for classification or naming of chemical not required. Formula: KCI TSCA Inventory: listed REACH Reg. No: 01-2119539416-36-xxxx EC No: 231-211-8 RTECS: TS8050000 MFCD: 00011360 KE No: CLP (GHS): The criteria for classification are not fulfilled. 150 mL LYS Chemical: sodium hydroxide solution (diluted < 2%) Chemical: Sodium hydroxide solution (diluted soda hye TSCA Inventory: listed REACH Reg. No: 01-21194896(1-32-xxxx EC No: C 205-788-1 RTECS: WT160000 MFCD: 00036175 KE No: KE 21884 Concentration: 01-31 %				MFCD:	00011360
acc. CL.P (GHS): The criteria for classification are not lutilited. Chemical: chemicals/mixture < 1% Cassification: No criteria for classification or naming of chemical not required. TSCA Inventory: No criteria for classification are not hufflied. 500 mL EQU Chemical: potassi/um chloride Classification: No criteria for classification or naming of chemical not required. Formula: No criteria for classification or naming of chemical not required. Formula: No criteria for classification or naming of chemical not required. Formula: No criteria for classification or naming of chemical not required. Formula: No criteria for classification or naming of chemical not required. Formula: KCl TSCA Inventory: listed REACH Reg. No:: 01-2119539416-36-xxxx EC No:: 231-211-3 RTECS: TS8050000 MFCD: 00011360 KE No:: KE-29086 Concentration: 1 - 610 % acc. CLP (GHS): The criteria for classification are not hufflied. 150 mL LYS Chemical: sodium hydroxide solution (diluted < 2 %) Chemical: NaOH+b_C Pseudonym: diluted soda lye TSCA Inventory: listed REACH Reg. No:: 01-2119457892-27-xxxx EC No:: 215-185-5 Indice No:: 011-002-00-6 RTECS: W84900000 KE No:: 215-185-5 Indice No:: 011-002-00-6 RTECS: W84900000 KE No:: KE-31487 Concentration: 0: -5 - c1 % acc. CLP (GHS): H315, Skin Irrit. 2, H319, Eye Irrit. 2 Chemical: ocder/stuffate.sod/um salt Concentration: 0: -5 - c1 % acc. CLP (GHS): H315, Skin Irrit. 2, H319, Eye Irrit. 2 Chemical: Classification: H228, Flams. Sol. 1, H302, Acute Tox. 4 oral, H315, Skin Irrit. 2, H318, Eye Dam. 1, H332, Acute Tox. 4 inh., H335, STOT SE 3, H412, Aquatic Chronic 3 Formula: C1, 2H384061-32-xxxx EC No:: C205-788-1 RTECS: W11980000 MFCD: 00036175 KE No:: KE-21844 Concentration: 0. 1-1 %					
Chemical:       chemicals/mixture < 1%					
Classification:       No statist for classification or naming of chemical not required.         TSCA Inventory:       all listed, 1%         KE No.:       listed         Concentration:       0.1 - 41 %         acc: CLP (GHS):       The criteria for classification are not fulfilled.         500 mL EQU       CAS No.: 7447-40-7         Classification:       No criteria for classification or naming of chemical not required.         Formula:       KC         TSCA Inventory:       listed         REACH Reg. No.:       01.2119539416-36-xxxx         EC No:       231-211-3         RTECS:       TS080000         KE No::       KE 23060         Concentration:       1 - <10 %		Chemical: chem	icals/mixture < 1%		
TSCA Inventory: all listed, <1%. KE No: Isited Concentration: 0.1 - <1% acc. CLP (GHS): The criteria for classification are not fulfilled. 500 mL EQU Chemical: potassium chloride CAS No.: 7447-40-7 Classification: No criteria for classification or naming of chemical not required. Formula: KCl TSCA Inventory: listed REACH Reg. No:: 01-2119539416-36-xxxx EC No:: 231-211-8 RTECS: TS8050000 MFCD: 00011360 KE No:: KE-29086 Concentration: 1 - <10 % acc. CLP (GHS): The criteria for classification are not fulfilled. 150 mL LYS Chemical: sodium hydroxide solution (diluted < 2 %) CAS No:: 1310-73-2d Classification: H314, Skin Corr. 18 Formula: NaOHH2 O Pseudonym: diluted soda lye TSCA Inventory: listed REACH Reg. No:: 01-2119457892-27-xxxx EC No:: XE-31487 Concentration: 05 - c1 % acc. CLP (GHS): H315, Skin Irrit. 2, H319, Eye Irrit. 2 Chemical: dodecyl sulfate, sodium salt CAS No:: 151-21-3 Classification: H324, Flans. Sol. 1, H302, Acute Tox. 4 oral, H315, Skin Irrit. 2, H318, Eye Dam. 1, H332, Acute Tox. 4 inh., H335, STOT SE 3, H412, Aquatic Chronic 3 Formula: Nado S Pseudonym: sodium lauryl sulfate, sulfuric acid monododecyl ester sodium salt TSCA Inventory: listed REACH Reg. No:: 01-2119487892-27-xxxx EC No:: KE-31487 Concentration: 0.5 - c1 % acc. CLP (GHS): H315, Skin Irrit. 2, H319, Eye Irrit. 2 Chemical: dodecyl sulfate, sodium salt CAS No:: 151-21-3 Classification: H228, Flam. Sol. 1, H302, Acute Tox. 4 oral, H315, Skin Irrit. 2, H318, Eye Dam. 1, H332, Acute Tox. 4 inh., H335, STOT SE 3, H412, Aquatic Chronic 3 Formula: CLP (GHS): H315, Skin Irrit. 2, H318, Eye Dam. 1, H332, Acute Tox. 4 inh., H335, STOT SE 3, H412, Aquatic Chronic 3 Formula: Classification: H228, Flam. Sol. 1, H302, Acute Tox. 4 oral, H315, Skin Irrit. 2, H318, Eye Dam. 1, H332, Acute Tox. 4 inh., H335, STOT SE 3, H412, Aquatic Chronic 3 Formula: Classification: H228, Flam. Sol. 1, H302, Acute Tox. 4 oral, H315, Skin Irrit. 2, H318, Eye Dam. 1, H332, Acute Tox. 4 inh., H335, STOT SE 3, H412, Aqu				mical not required	0, 10 110
KE No.:       listed         Concentration:       0.1 - 51 %         acc. CLP (GHS):       The criteria for classification are not fulfilled.         500 mL EQU       CAS No.: 7447-40-7         Classification::       No criteria for classification or naming of chemical not required.         Formula:       KCI         TSCA Inventory:       listed         REACH Reg. No:       01-2119539416-36-xxxx         EC No:       231-211-8         RTECS:       TS8050000       MFCD:       00011360         KE No.:       KE-29086       Concentration:       1 - 410 %         acc. CLP (GHS):       The criteria for classification are not fulfilled.       CAS No:: 1310-73-2d         Classification:       H314, Skin Corr. 18       Formula:       No CH+12 O         Pseudonym:       diluted soda lye       TSCA Inventory:       Iisted         REACH Reg. No:       01-2119457892-27-xxxx       011-002-00-6       RTECS:         Classification:       N34 Skin Corr. 18       Indice No.:       011-002-00-6         RTECS:       WB4900000       CAS No.: 151-21-3       100-200-6         RTECS:       WB4900000       CAS No.: 151-21-3       Classification:       1428, Fiam. Sol. 1, 1430, Koun Irrit. 2, H319, Eye Irrit. 2         Chemical: </td <td></td> <td></td> <td></td> <td>mical not required.</td> <td></td>				mical not required.	
acc. CLP (GHS): The criteria for classification are not fulfilled.  500 mL EQU Chemical: potassium chloride Classification: No criteria for classification or naming of chemical not required. Formula: KCI TSCA Inventory: listed REACH Reg. No: 01-2119339416-36-xxxx EC No: 231-211-8 Concentration: 1 - <10 % acc. CLP (GHS): The criteria for classification are not fulfilled.  150 mL LYS Chemical: sodium hydroxide solution (diluted < 2 %) Classification: N344 548 74 Concentration: 0.1 - 2119457892-27 xxxx EC No: 0.1 - 2119457892-27 xxxx Cancentration: 0.5 - <1 % acc. CLP (GHS): H315, Skin Irrit 2, H319, Eye Irrit .2 Chemical: dodecr/s sulfate, sodium salt Cassification: H328, Flam. Sol. 1, H302, Acute Tox. 4 oral, H315, Skin Irrit. 2, H318, Eye Dam. 1, H332, Acute Tox. 4 inh., H338, STOT SE 3, H412, Aquatic Chronic 3 Formula: C12 H23 NaQ 4S Pseudonym: sodium lawly sulfate, sulfuric acid monododecyl ester sodium salt Stoch IrrecR; 0.0: 0.1 - 2119489461-32-xxxx EC No: 0.2 - 211948946					
500 mL EQU       Chemical: potassium chloride       CAS No.: 7447-40-7         Classification: No criteria for classification or naming of chemical not required.       Formula: KCI         Formula: KCI       State of Cassification or naming of chemical not required.         Formula: KCI       TSCA Inventory: listed         REACH Reg. No.: 01-2119359416-36-xxxx       EC No.: 231-211-8         RTECS: TS805000       MFCD: 00011360         KE No.: KE-29086       Concentration: 1 - <10 %		Concentration:			
$ \begin{array}{cccc} Chemical: potassium chloride & CAS No.: 7447-40-7 \\ Classification: No criteria for classification or naming of chemical not required. Formula: KCI \\ Formula: KCI \\ TSCA Inventory: listed \\ REACH Reg. No.: 01-2119539416-36-xxxx \\ EC No.: 231-211-8 \\ RTECS: TS8050000 & MFCD: 00011360 \\ KE No.: KE-29086 \\ Concentration: 1 - <10 % \\ acc. CLP (GHS): The criteria for classification are not fulfilled. \\ \hline 150 mLLYS \\ Chemical: sodium hydroxide solution (diluted <2 %) \\ Classification: H314, Skin Corr. 18 \\ Formula: NaOHHyD \\ Pseudonym: diluted soda lye \\ TSCA Inventory: listed \\ REACH Reg. No.: 01-2119457892-27-xxxx \\ EC No.: 215-185-5 \\ RTECS: WB490000 \\ KE No.: KE-31487 \\ Concentration: 0.5 - <1 % \\ acc. CLP (GHS): H315, Skin Irrit. 2, H319, Eye Irrit. 2 \\ Chemical: dodecyl sulfate, sodium salt \\ Concentration: C1-219457892-27-xxxx \\ EC No.: KE-31487 \\ Concentration: 0.5 - <1 % \\ acc. CLP (GHS): H315, Skin Irrit. 2, H319, Eye Irrit. 2 \\ Chemical: dodecyl sulfate, sodium salt \\ CAS No.: 151-21-3 \\ Classification: H228, Flam. Sol. 1, H302, Acute Tox. 4 oral, H315, Skin Irrit. 2, H318, Eye Dam. 1, H332, Acute Tox. 4 oral, H315, Skin Irrit. 2, H338, Eye Dam. 1, H332, Acute Tox. 4 oral, H315, Skin Irrit. 2, H318, Eye Dam. 1, H332, Acute Tox. 4 oral, H315, Skin Irrit. 2, H318, Eye Dam. 1, H332, Acute Tox. 4 oral, H315, Skin Irrit. 2, H318, Eye Dam. 1, H332, Acute Tox. 4 oral, H315, Skin Irrit. 2, H318, Eye Dam. 1, H332, Acute Tox. 4 oral, H315, Skin Irrit. 2, H318, Eye Dam. 1, H332, Acute Tox. 4 oral, H315, Skin Irrit. 2, H318, Eye Dam. 1, H332, Acute Tox. 4 oral, H315, Skin Irrit. 2, H318, Eye Dam. 1, H332, Acute Tox. 4 oral, H315, Skin Irrit. 2, H318, Eye Dam. 1, H332, Acute Tox. 4 oral, H315, Skin Irrit. 2, H318, Eye Dam. 1, H332, Acute Tox. 4 oral, H315, Skin Irrit. 2, H318, Eye Dam. 1, H332, Acute Tox. 4 oral, H315, Skin Irrit. 2, H318, Eye Dam. 1, H332, Acute Tox. 4 oral, H315, Skin Irrit. 2, H318, Eye Dam. 1, H332, Acute Tox. 4 oral, H315, Skin Irrit. 2, H318, Eye Dam. 1, H332, Acute Tox. 4 oral, H315,$		acc. CLP (GHS):	The criteria for classification are not fulfilled.		
$ \begin{array}{cccc} Chemical: potassium chloride & CAS No.: 7447-40-7 \\ Classification: No criteria for classification or naming of chemical not required. Formula: KCI \\ Formula: KCI \\ TSCA Inventory: listed \\ REACH Reg. No.: 01-2119539416-36-xxxx \\ EC No.: 231-211-8 \\ RTECS: TS8050000 & MFCD: 00011360 \\ KE No.: KE-29086 \\ Concentration: 1 - <10 % \\ acc. CLP (GHS): The criteria for classification are not fulfilled. \\ \hline 150 mLLYS \\ Chemical: sodium hydroxide solution (diluted <2 %) \\ Classification: H314, Skin Corr. 18 \\ Formula: NaOHHyD \\ Pseudonym: diluted soda lye \\ TSCA Inventory: listed \\ REACH Reg. No.: 01-2119457892-27-xxxx \\ EC No.: 215-185-5 \\ RTECS: WB490000 \\ KE No.: KE-31487 \\ Concentration: 0.5 - <1 % \\ acc. CLP (GHS): H315, Skin Irrit. 2, H319, Eye Irrit. 2 \\ Chemical: dodecyl sulfate, sodium salt \\ Concentration: C1-219457892-27-xxxx \\ EC No.: KE-31487 \\ Concentration: 0.5 - <1 % \\ acc. CLP (GHS): H315, Skin Irrit. 2, H319, Eye Irrit. 2 \\ Chemical: dodecyl sulfate, sodium salt \\ CAS No.: 151-21-3 \\ Classification: H228, Flam. Sol. 1, H302, Acute Tox. 4 oral, H315, Skin Irrit. 2, H318, Eye Dam. 1, H332, Acute Tox. 4 oral, H315, Skin Irrit. 2, H338, Eye Dam. 1, H332, Acute Tox. 4 oral, H315, Skin Irrit. 2, H318, Eye Dam. 1, H332, Acute Tox. 4 oral, H315, Skin Irrit. 2, H318, Eye Dam. 1, H332, Acute Tox. 4 oral, H315, Skin Irrit. 2, H318, Eye Dam. 1, H332, Acute Tox. 4 oral, H315, Skin Irrit. 2, H318, Eye Dam. 1, H332, Acute Tox. 4 oral, H315, Skin Irrit. 2, H318, Eye Dam. 1, H332, Acute Tox. 4 oral, H315, Skin Irrit. 2, H318, Eye Dam. 1, H332, Acute Tox. 4 oral, H315, Skin Irrit. 2, H318, Eye Dam. 1, H332, Acute Tox. 4 oral, H315, Skin Irrit. 2, H318, Eye Dam. 1, H332, Acute Tox. 4 oral, H315, Skin Irrit. 2, H318, Eye Dam. 1, H332, Acute Tox. 4 oral, H315, Skin Irrit. 2, H318, Eye Dam. 1, H332, Acute Tox. 4 oral, H315, Skin Irrit. 2, H318, Eye Dam. 1, H332, Acute Tox. 4 oral, H315, Skin Irrit. 2, H318, Eye Dam. 1, H332, Acute Tox. 4 oral, H315, Skin Irrit. 2, H318, Eye Dam. 1, H332, Acute Tox. 4 oral, H315,$	500 mL	EQU			
Formula:KCITSCA Inventory:listedREACH Reg. No.:01-2119539416-36-xxxxEC No.:231-211-8RTECS:TS805000MFCD:00011360KE No.:KE-29086Concentration:1 - <10 %			sium chloride		CAS No.: 7447-40-7
TSCA Inventory:       listed         REACH Reg. No.:       01-2119539416-36-xxxx         EC No.:       231-211-8         RTECS:       TS8050000       MFCD:       00011360         KE No.:       KE-29086       00011360         Concentration:       1 - <10 %		Classification:	No criteria for classification or naming of che	mical not required.	
$ \begin{array}{ccccc} REACH & Reg, No: & 01-2119539416-36-xxxx \\ ECNo: & 231-211-8 \\ RTECS: & TS8050000 & MFCD: & 00011360 \\ KENo: & KE-29086 \\ Concentration:  & 1 - <10~\% \\ acc. CLP(GHS): & The orteria for classification are not fulfilled. \\ \end{array \right. \\ \begin{array}{c} \textbf{150 mL LYS} \\ Chemical:  sodium hydroxide solution (diluted < 2~\%) & CASNo: 1310-73-2d \\ Classification:  & H314, SkinCorr.1B \\ Formula:  & NaOH+H_2 O \\ Pseudonym:  diluted soda lye \\ TSCAInventory:  & listed \\ REACHReg, No: 0.1-2119457892-27-xxxx \\ ECNo: 215-185-5 & IndiceNo: 011-002-00-6 \\ RTECS: & WB4900000 \\ KEKo: & KE-31487 \\ Concentration:  & 0.5 - <1~\% \\ acc.CLP(GHS): & H315, SkinIrrit2, H319, EyeIrrit, 2 \\ Chemical:  dodecyl sulfate, sodium salt \\ Classification:  \\ H234Flam, SO1, H325, STOTSE3, H412, AquaticChronic3 \\ Formula:  \\ Cromula:  C1_2H_2NaO_4S \\ Pseudonym:  sodiummaylsulfuricacidmonododecylestersodiumsalt \\ TSCAInventory:  \\ Isted \\ REACHReg, No: 0.1-2119457892-27-xxxx \\ CDConcentration:  \\ OccSEFlam, SO1, H315, SKinIrrit2, H318, StonIrrit2, H318, EyeDam, 1, H322, AcuteTox, 4oral, H315, SKinIrrit2, H318, EyeDam, 1, H332, AcuteTox, 4oral, H315, SKinIrrit2, H318, EyeDam, 1, H332, AcuteTox, 4oral, H345, StonIrrit1, 2, 21, 1, 2, 21, 21, 2, 21, 1, 2, 221, 1, 2, 21, 1, 2, 21, 1, 2, 21, 1, 2, 21, 1, 2, 21, 1, 2, 21, 1, 2, 21, 1, 2, 21, 1, 2, 21, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, \mathsf$					
EC No.:231-211-8 RTECS:MFCD:00011360RTECS:TS8050000MFCD:00011360KE No.:KE-29086 Concentration:1 - <10 % acc. CLP (GHS):CAS No.: 1310-73-2d <b>150 mL LYS</b> Chemical:Sodium hydroxide solution (diluted < 2 %) Classification:CAS No.: 1310-73-2dClassification:H314, Skin Corr. 1B Formula:NaOH+ $1_2$ O Pseudonym:CAS No.: 1310-73-2dPseudonym:diluted soda lye TSCA Inventory:Iisted REACH Reg. No.:011-002-00-6RTECS:WB400000 KE No.:KE-31487 Concentration:0.5 - <1 % acc. CLP (GHS):CAS No.: 151-21-3 Classification:Classification:H228, Flam. Sol. 1, H302, Acute Tox. 4 oral, H315, Skin Irrit. 2, H318, Eye Dam. 1, H332, Acute Tox. 4 inh., H335, STOT SE 3, H412, Aquatic Chronic 3 Formula:CAS No.: 151-21-3 Classification:Classification:H228, Flam. Sol. 1, H302, Acute Tox. 4 oral, H315, Skin Irrit. 2, H318, Eye Dam. 1, H332, Acute Tox. 4 inh., H335, STOT SE 3, H412, Aquatic Chronic 3 Formula:Cas No.: 151-21-3 Classification:Pseudonym:sodium lauryl sulfate, sulfuric acid monododecyl ester sodium salt TSCA Inventory:Iisted Isted REACH Reg. No.:O1-2119489461-32-xxxx EC No.:205-788-1 RTECS:MFCD:00036175 KE NO.:KE No.:KE-21884 Concentration:0.1 - <1 %					
$\begin{tabular}{lllllllllllllllllllllllllllllllllll$					
KE No.:KE-29086 Concentration:1 - <10 % acc. CLP (GHS):KE No.:KE-29086 Concentration:KE No.:KE No::KE No.:KE No::KE No::KE No::KE No::KE No::KE No::KE No::KE No::KE No.:KE No.:KE No::KE No:: <th< td=""><td></td><td></td><td></td><td></td><td>00011200</td></th<>					00011200
Concentration: 1 - <10 % acc. CLP (GHS): The criteria for classification are not fulfilled. <b>150 mL LYS</b> Chemical: sodium hydroxide solution (diluted < 2 %) Classification: H314, Skin Corr. 1B Formula: NaOH-H2 O Pseudonym: diluted soda lye TSCA Inventory: listed REACH Reg. No.: 01-2119457892-27-xxxx EC No.: 215-185-5 Indice No.: 011-002-00-6 RTECS: WB4900000 KE No.: KE-31487 Concentration: 0.5 - <1 % acc. CLP (GHS): H315, Skin Irrit. 2, H319, Eye Irrit. 2 Chemical: dodecyl sulfate, sodium salt Cassification: H228, Flam. Sol. 1, H302, Acute Tox. 4 oral, H315, Skin Irrit. 2, H318, Eye Dam. 1, H332, Acute Tox. 4 inh., H335, STOT SE 3, H412, Aquatic Chronic 3 Formula: C12 H25 NaO.4S Pseudonym: sodium lauryl sulfate, sulfuric acid monododecyl ester sodium salt TSCA Inventory: listed REACH Reg. No.: 01-2119489461-32-xxxx EC No.: 205-788-1 RTECS: WT1050000 MFCD: 00036175 KE No.: KE-21884 Concentration: 0.1 - <1 %				MFCD:	00011360
acc. CLP (GHS):The criteria for classification are not fulfilled. <b>150 mL LYS</b> Chemical:sodium hydroxide solution (diluted < 2 %)CAS No.: 1310-73-2dClassification:H314, Skin Corr. 1BCAS No.: 1310-73-2dFormula:NaOH-H2 OSeudonym:diluted soda lyeTSCA Inventory:listedIfficienceREACH Reg. No:01-2119457892-27-xxxxEC No.:C15-185-5Indice No.:011-002-00-6RTECS:WB4900000KE No.:011-002-00-6KE No:KE-31487Concentration:0.5 - <1 %acc. CLP (GHS):H315, Skin Irrit. 2, H319, Eye Irrit. 2CAS No:: 151-21-3Chemical:dodecyl sulfate, sodium saltCAS No:: 151-21-3Classification:H228, Flam. Sol. 1, H302, Acute Tox. 4 oral, H315, Skin Irrit. 2, H318, Eye Dam. 1, H332, AcuteTox. 4 inh., H335, STOT SE 3, H412, Aquatic Chronic 3Formula:C1 2 H25 NoQ 4SPseudonym:sodium lauryl sulfate, sulfuric acid monododecyl ester sodium saltTSCA Inventory:TSCA Inventory:listedREACH Reg. No.:01-2119489461-32-xxxxEC No.:Q05-788-1RTECS:WT1050000MFCD:00036175KE No.:KE -21884Concentration:0.1 - <1 %					
$ \begin{array}{cccc} Chemical: sodium hydroxide solution (diluted < 2 \%) & CAS No.: 1310-73-2d \\ Classification: H314, Skin Corr. 1B \\ Formula: NaOH+H2 O \\ Pseudonym: diluted soda lye \\ TSCA Inventory: listed \\ REACH Reg. No.: 01-2119457892-27-xxxx \\ EC No.: 215-185-5 & Indice No.: 011-002-00-6 \\ RTECS: WB4900000 \\ KE No.: KE-31487 \\ Concentration: 0.5 - <1 \% \\ acc. CLP (GHS): H315, Skin Irrit. 2, H319, Eye Irrit. 2 \\ \hline \\ Chemical: dodecy/ sulfate, sodium salt \\ CAS No.: 151-21-3 \\ Classification: H228, Flam. Sol. 1, H302, Acute Tox. 4 oral, H315, Skin Irrit. 2, H318, Eye Dam. 1, H332, Acute Tox. 4 inh., H335, STOT SE 3, H412, Aquatic Chronic 3 \\ Formula: C_{12} H_{25} NaO_4 S \\ Pseudonym: sodium lauryl sulfate, sulfuric acid monododecyl ester sodium salt \\ TSCA Inventory: listed \\ REACH Reg. No.: 01-2119489461-32-xxxx \\ EC No.: 205-788-1 \\ RTECS: WT1050000 \\ MFCD: 00036175 \\ KE No.: KE-21884 \\ Concentration: 0.1 - <1 \% \\ \end{array}$					
$ \begin{array}{cccc} Chemical: sodium hydroxide solution (diluted < 2 \%) & CAS No.: 1310-73-2d \\ Classification: H314, Skin Corr. 1B \\ Formula: NaOH+H2 O \\ Pseudonym: diluted soda lye \\ TSCA Inventory: listed \\ REACH Reg. No.: 01-2119457892-27-xxxx \\ EC No.: 215-185-5 & Indice No.: 011-002-00-6 \\ RTECS: WB4900000 \\ KE No.: KE-31487 \\ Concentration: 0.5 - <1 \% \\ acc. CLP (GHS): H315, Skin Irrit. 2, H319, Eye Irrit. 2 \\ \hline \\ Chemical: dodecy/ sulfate, sodium salt \\ CAS No.: 151-21-3 \\ Classification: H228, Flam. Sol. 1, H302, Acute Tox. 4 oral, H315, Skin Irrit. 2, H318, Eye Dam. 1, H332, Acute Tox. 4 inh., H335, STOT SE 3, H412, Aquatic Chronic 3 \\ Formula: C_{12} H_{25} NaO_4 S \\ Pseudonym: sodium lauryl sulfate, sulfuric acid monododecyl ester sodium salt \\ TSCA Inventory: listed \\ REACH Reg. No.: 01-2119489461-32-xxxx \\ EC No.: 205-788-1 \\ RTECS: WT1050000 \\ MFCD: 00036175 \\ KE No.: KE-21884 \\ Concentration: 0.1 - <1 \% \\ \end{array}$	1E0 ml				
Classification:H314, Skin Corr. 1BFormula:NaOH+H2 OPseudonym:diluted soda lyeTSCA Inventory:listedREACH Reg. No.:01-2119457892-27-xxxxEC No.:215-185-5Indice No.:011-002-00-6RTECS:WB4900000KE No.:KE No.:KE-31487Concentration:0.5 - <1 %	150 ML		m hydroxide solution (diluted < $2\%$ )		CAS No.: 1310-73-2d
Formula:NaOH+H2 OPseudonym:diluted soda lyeTSCA Inventory:listedREACH Reg. No.:01-2119457892-27-xxxxEC No.:215-185-5Indice No.:Other Concentration:0.1-2119457892-27-xxxxConcentration:0.5 - <1 %					
TSCA Inventory: listed REACH Reg. No.: 01-2119457892-27-xxxx EC No.: 215-185-5 Indice No.: 011-002-00-6 RTECS: WB4900000 KE No.: KE-31487 Concentration: 0.5 - <1 % acc. CLP (GHS): H315, Skin Irrit. 2, H319, Eye Irrit. 2 Chemical: dodecyl sulfate, sodium salt CAS No.: 151-21-3 Classification: H228, Flam. Sol. 1, H302, Acute Tox. 4 oral, H315, Skin Irrit. 2, H318, Eye Dam. 1, H332, Acute Tox. 4 inh., H335, STOT SE 3, H412, Aquatic Chronic 3 Formula: C12 H25 NaO4 S Pseudonym: sodium lauryl sulfate, sulfuric acid monododecyl ester sodium salt TSCA Inventory: listed REACH Reg. No.: 01-2119489461-32-xxxx EC No.: 205-788-1 RTECS: WT1050000 MFCD: 00036175 KE No.: KE-21884 Concentration: 0.1 - <1 %		Formula:			
REACH Reg. No.:       01-2119457892-27-xxxx         EC No.:       215-185-5       Indice No.:       011-002-00-6         RTECS:       WB490000       KE-31487       Concentration:       0.5 - <1 %		Pseudonym:	diluted soda lye		
EC No.:       215-185-5       Indice No.:       011-002-00-6         RTECS:       WB4900000       KE No.:       KE-31487         Concentration:       0.5 - <1 %					
RTECS:WB4900000KE No.:KE-31487Concentration: $0.5 - <1 \%$ acc. CLP (GHS):H315, Skin Irrit. 2, H319, Eye Irrit. 2Chemical:dodecyl sulfate, sodium saltCAS No.: 151-21-3Classification:H228, Flam. Sol. 1, H302, Acute Tox. 4 oral, H315, Skin Irrit. 2, H318, Eye Dam. 1, H332, AcuteTox. 4 inh., H335, STOT SE 3, H412, Aquatic Chronic 3Formula: $C_{12} H_{25} NaO_4 S$ Pseudonym:sodium lauryl sulfate, sulfuric acid monododecyl ester sodium saltTSCA Inventory:listedREACH Reg. No.:01-2119489461-32-xxxxEC No.:205-788-1RTECS:WT1050000KE No.:KE-21884Concentration:0.1 - <1 %					
KE No.:KE-31487 Concentration: $0.5 - <1 \%$ acc. CLP (GHS):H315, Skin Irrit. 2, H319, Eye Irrit. 2Chemical:dodecyl sulfate, sodium saltCAS No.: 151-21-3 Classification:H228, Flam. Sol. 1, H302, Acute Tox. 4 oral, H315, Skin Irrit. 2, H318, Eye Dam. 1, H332, Acute Tox. 4 inh., H335, STOT SE 3, H412, Aquatic Chronic 3 Formula:C12 H25 NaO4 S Pseudonym:Pseudonym:sodium lauryl sulfate, sulfuric acid monododecyl ester sodium salt TSCA Inventory:Iisted REACH Reg. No.:REC No.:205-788-1 RTECS:WT1050000MFCD:O0036175 KE No.:KE-21884 Concentration:0.1 - <1 %				Indice No.:	011-002-00-6
Concentration: $0.5 - <1 \%$ acc. CLP (GHS):H315, Skin Irrit. 2, H319, Eye Irrit. 2Chemical:dodecyl sulfate, sodium saltCAS No.: 151-21-3Classification:H228, Flam. Sol. 1, H302, Acute Tox. 4 oral, H315, Skin Irrit. 2, H318, Eye Dam. 1, H332, AcuteTox. 4 inh., H335, STOT SE 3, H412, Aquatic Chronic 3Formula: $C_{12}H_{25} NaO_4 S$ Pseudonym:sodium lauryl sulfate, sulfuric acid monododecyl ester sodium saltTSCA Inventory:listedREACH Reg. No.:01-2119489461-32-xxxxEC No.:205-788-1RTECS:WT1050000MFCD:00036175KE No.:KE-21884Concentration:0.1 - <1 %					
acc. CLP (GHS):H315, Skin Irrit. 2, H319, Eye Irrit. 2Chemical:dodecyl sulfate, sodium saltCAS No.: 151-21-3Classification:H228, Flam. Sol. 1, H302, Acute Tox. 4 oral, H315, Skin Irrit. 2, H318, Eye Dam. 1, H332, AcuteTox. 4 inh., H335, STOT SE 3, H412, Aquatic Chronic 3Formula: $C_{12}$ H25 NaO4 SPseudonym:sodium lauryl sulfate, sulfuric acid monododecyl ester sodium saltTSCA Inventory:listedREACH Reg. No.:01-2119489461-32-xxxxEC No.:205-788-1RTECS:WT1050000MFCD:00036175KE No.:KE-21884Concentration:0.1 - <1 %					
Chemical:dodecyl sulfate, sodium saltCAS No.: 151-21-3Classification:H228, Flam. Sol. 1, H302, Acute Tox. 4 oral, H315, Skin Irrit. 2, H318, Eye Dam. 1, H332, AcuteTox. 4 inh., H335, STOT SE 3, H412, Aquatic Chronic 3Formula: $C_{12} H_{25} NaO_4 S$ Pseudonym:sodium lauryl sulfate, sulfuric acid monododecyl ester sodium saltTSCA Inventory:listedREACH Reg. No.:01-2119489461-32-xxxxEC No.:205-788-1RTECS:WT1050000MFCD:00036175KE No.:KE-21884Concentration:0.1 - <1 %				1	
Classification:H228, Flam. Sol. 1, H302, Acute Tox. 4 oral, H315, Skin Irrit. 2, H318, Eye Dam. 1, H332, Acute Tox. 4 inh., H335, STOT SE 3, H412, Aquatic Chronic 3 Formula:C12 H25 NaO4 S sodium lauryl sulfate, sulfuric acid monododecyl ester sodium salt TSCA Inventory:IstedREACH Reg. No.:01-2119489461-32-xxxx EC No.:205-788-1 RTECS:00036175 KE No.:KE No.:KE-21884 Concentration:0.1 - <1 %			· · · · · ·		CAS No : 151-21-3
Tox. 4 inh., H335, STOT SE 3, H412, Aquatic Chronic 3Formula: $C_{12}$ H <sub>25</sub> NaO <sub>4</sub> SPseudonym:sodium lauryl sulfate, sulfuric acid monododecyl ester sodium saltTSCA Inventory:listedREACH Reg. No.:01-2119489461-32-xxxxEC No.:205-788-1RTECS:WT1050000MFCD:00036175KE No.:KE-21884Concentration:0.1 - <1 %				x, 4 oral H315 Skin l	
Formula: $C_{12} H_{25} NaO_4 S$ Pseudonym:sodium lauryl sulfate, sulfuric acid monododecyl ester sodium saltTSCA Inventory:listedREACH Reg. No.:01-2119489461-32-xxxxEC No.:205-788-1RTECS:WT1050000KE No.:KE-21884Concentration:0.1 - <1 %					, 11010, _jo buill. 1, 11002, Aoute
Pseudonym:sodium lauryl sulfate, sulfuric acid monododecyl ester sodium saltTSCA Inventory:listedREACH Reg. No.:01-2119489461-32-xxxxEC No.:205-788-1RTECS:WT1050000KE No.:KE-21884Concentration:0.1 - <1 %					
TSCA Inventory:       listed         REACH Reg. No.:       01-2119489461-32-xxxx         EC No.:       205-788-1         RTECS:       WT1050000       MFCD:       00036175         KE No.:       KE-21884         Concentration:       0.1 - <1 %				nonododecyl ester sod	lium salt
EC No.:       205-788-1         RTECS:       WT1050000       MFCD:       00036175         KE No.:       KE-21884         Concentration:       0.1 - <1 %				,	
RTECS:         WT1050000         MFCD:         00036175           KE No.:         KE-21884         Concentration:         0.1 - <1 %			01-2119489461-32-xxxx		
KE No.:         KE-21884           Concentration:         0.1 - <1 %		EC No.:	205-788-1		
Concentration: 0.1 - <1 %				MFCD:	00036175
acc. ULP (GID): The criteria for classification are not fulfilled.					
		acc. CLP (GHS):	The criteria for classification are not fulfilled.		
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REF: 740416.10 Printing date: 12.05.2021	NucleoBond Xtra Maxi Plu Date of issue: 17.02.2021	s (10)	Page: 6/1
	Date of 13506. 17.02.2021		
	cator dye(s)	CAS No.: -	
Classification: TSCA Inventory:	No criteria for classification or naming of chemical	not required.	
Concentration:	all listed, <1% < 0.10 %		
acc. CLP (GHS):	The criteria for classification are not fulfilled.		
ζ, γ			
150 mL NEU			
	tate buffer solution	CAS No.: -	
Classification:	No criteria for classification or naming of chemical	not required.	
Formula: TSCA Inventory:	CH <sub>3</sub> COOH/K/Na•H <sub>2</sub> O all listed		
KE No.:	listed		
Concentration:	25 - <45 %		
acc. CLP (GHS):	The criteria for classification are not fulfilled.		
150 mL RES	miaclo/misturo + 19/	CAS No.: -	
	micals/mixture < 1%		
Classification: TSCA Inventory:	No criteria for classification or naming of chemical all listed, <1%	not required.	
KE No.:	listed		
Concentration:	0.1 - <1 %		
acc. CLP (GHS):	The criteria for classification are not fulfilled.		
0.6-100 mg RNase A (lyo)			
Chemical: RNa		CAS No.: 9001-99-4	
Classification: Formula:	H334, Resp. Sens. 1	<i>(</i> , <b>n</b> ,	
Pseudonym:	Enzyme Comm. No. 3.1.27.5, <sub>origin: bovine</sub> Nuclease, ribo-	e pancreas (controlled population)	
TSCA Inventory:	listed		
EC No.:	232-646-6		
RTECS:	RF0760000		
KE No.:	KE-30341		
Concentration:	90 - <100 %		
acc. CLP (GHS):	H334, Resp. Sens. 1		
13 mL TRIS			
	micals/mixture < 1%	CAS No.: -	
Classification:	No criteria for classification or naming of chemical	not required.	
TSCA Inventory:	all listed, <1%		
KE No.:	listed		
Concentration:	0.1 - <1 %		
acc. CLP (GHS):	The criteria for classification are not fulfilled.		
300 mL WASH			
Chemical: etha	anol (diluted < 20 %)	CAS No.: 64-17-5d	
(	natured with 1%IPA/1%MEK, acc.2016/1867	7/EU)	
Classification:	H225, Flam. Liq. 2		
Formula:	$C_2 H_6 O; C_2 H_5 OH$		
Pseudonym:	ethyl alcohol, methylated spirit		
TSCA Inventory:	listed		
REACH Reg. No.:		lice No.: 603-002-00-5	
EC No.: RTECS:		lice No.: 603-002-00-5 FCD: 00003568	
KTECS. KE No.:	KQ0500000 MIF	0000000	
Concentration:	5 - <20 %		

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Printing date: 12.05.	2021	Date of iss	ue: 17.02.2021		
	Chemical: potas	sium chloride		CAS No.: 7447-40-7	
	Classification:	No criteria for classification or	naming of chemical not required.		
	Formula: TSCA Inventory:	KCI listed			
	REACH Reg. No.:	01-2119539416-36-xxxx	:		
	EC No.:	231-211-8			
	RTECS:	TS8050000	MFCD:	00011360	
	KE No.:	KE-29086			
	Concentration:	1 - <10 %			
	acc. CLP (GHS):	The criteria for classification a	e not fulfilled.		

#### 3.3 Remarks

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

List of H and P phrases: see section 16.1

### 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 immediately. Rinse the affected skin or mucous membrane thoroughly for min. 15 minutes under running water. (If possible) use soap. Avoid neutralisation. Then apply a loose bandage.

#### 4.1.2 After EYE Contact

After contact with the eyes rinse thoroughly under running water with the eyelid wide open for min. 10 minutes with eye washing bottle, eye douche or running water (protect intact eye). Before (if possible) apply eye drops Proxymetacaine 0.5%, if the opening the eyelid convulsion is painful. Further treatment to be carried out by an eye specialist.

#### 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. --

#### 4.1.4 After ORAL Intake

After oral intake lots of water with activated charcoal supplement should be drunk after it has been ingested. Do not induce vomiting under any circumstances. Do not make any efforts to neutralise it. Contact medical advice for possible consequences. ---

#### 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

After SKIN CONTACT rinse with water for a long time. Apply glucocorticosteroides following inflammatory reactions. After EYE CONTACT rinse immediately with plenty of water for a long time. Eyelid convulsion measures. Name the corrosive chemical. Further treatment must to be carried out by an eye specialist. 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. The substance/mixture is flammable. Product package burns like paper or plastic. Cool any undamaged containers in water, and remove from the danger zone if possible. Heating will lead to an increase in pressure, and a danger of bursting. Spray any vapours released with water. Retent fire water. Use only acid-resistant safety equipment. For great amount - if necessary - protective breathing apparatus which is independent of the ambient air (isolated equipment), and sealed protective clothing is necessary in the event of a large-scale formation of toxic substances.



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#### 5.4 Additional information

Danger for environment only in the event of a large-scale leakage or formation of hazardous substances. ---

### SECTION 6: Accidental release measures

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

Do not breathe vapours. Wear suitable protective gloves (see 8.2.2). Wear eye protection. Keep product away from sources of ignition -No smoking. 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

see information in section 5.4 ---

## 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 2 Water hazard class (DE):

7.2.1 Requirements for stock rooms and containers Keep original product packages tightly closed during handling and storage.

#### 7.3 Specific end use(s)

Product for analytical use.

## SECTION 8: Exposure controls/personal protection

#### 8.1 **Control parameters**

<b>180 mL ELU</b> Chemical: 2 <i>-propanol</i> DNEL: DNEL = Derived No-Effec	[inh] 500 mg/m³ t Level (for workers)	CAS No.: 67-63-0
PNEC <sub>(fresh water)</sub> : PNEC = Predicted No Effe	140.9 mg/L ected Concentration	
TRGS 900 (DE):	200 ppm / 500 mg/m³ E/e respirable	
Short-term exposure factor: skin resorptive (H), respi	2 (II), Y ratory sensitizable (Sa), skin sensitizable (Sh), teratogenic (Z) not secure	ly excluded / (Y) certainly excluded
SUVA(CH) MAK value: TRGS 903 (DE):	200 ppm / 500 mg/m³ [Aceton B/b, U/b] 25 mg/L B blood, U urine, a no limitation, b end of exposition or shift	
NIOSH: NIOSH STEL: [TWA] Time-weighted ave	[TWA] 400 ppm / 980 mg/m³ 500 ppm / 1225 mg/m³ erage to a reference period of 8 hours, [STEL] Short-term exposure limit m	elated to a 15-minute period
OSHA:	[TWA] 400 ppm / 980 mg/m³	
Chemical: potassium ch	loride	CAS No.: 7447-40-7
Chemical: chemicals/miz	xture < 1%	CAS No.: -
500 mL EQU Chemical: potassium ch	loride	CAS No.: 7447-40-7



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	450		
	150 mL LYS Chemical:	sodium hydroxide solution	CAS No.: 1310-73-2d
	Chemical:	dodecyl sulfate, sodium salt	CAS No.: 151-21-3
	NIOSH: [TWA] 1	not listed Time-weighted average to a reference period of 8 hours, [STEL] Short-term 6	exposure limit related to a 15-minute period
	OSHA:	not listed	
	Chemical:	indicator dye(s)	CAS No.: -
	150 mL NEU Chemical:	acetate buffer solution	CAS No.: -
	150 mL RES Chemical:	chemicals/mixture < 1%	CAS No.: -
	<b>0.6-100 mg F</b> Chemical:	RNase A (Iyo) RNase	CAS No.: 9001-99-4
	<b>13 mL TRIS</b> Chemical:	chemicals/mixture < 1%	CAS No.: -
	PNEC (fresh wa PNEC = TRGS 900 (D Short-term ex skin re: SUVA(CH) M NIOSH:	ethanol [derm] 343 mg/kg; [inh] 950 mg/m <sup>3</sup> E Derived No-Effect Level (for workers) ater): 0.96 mg/L P Predicted No Effected Concentration (E): 200 ppm / 380 mg/m <sup>3</sup> E/e respirable Posure factor: 4 (II), Y sorptive (H), respiratory sensitizable (Sa), skin sensitizable (Sh), teratogenion	
-	oosure cor	<b>itrols</b> nd extraction system in the room, floor resistant to chemicals	s with floor drainage and washing facilities. The highest
.2.1	Respiratory	s must be maintained at the workplace. <b>protection</b> access of these substances for example a protection filter, cl	lass A/AX. No additional recommendations.
		tion ccording EN 374 (permeation time >30 min - level 2), consist for short times chemical resistant latex gloves with code EN	
	Eye protection Yes, safety gl	on asses according EN 166 with integrated side shields or wrap	o-around protection.
	Skin protecti Recommende	i <b>on</b> ed to avoid contamination with these hazards.	
	with the skin,	<b>giene</b> ng, smoking, taking snuff and storage of food in work areas a eyes and clothing. Rinse any clothing on which the substanc th soap and water when stopping work and before eating, an	e has been spilled, and soak it in water. Wash hands



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SECT	FION 9: Physical and che			
9.1	Information on basic physi	cal and chemical propert	ies	
	<b>180 mL ELU</b> Appearance: liquid pH: Flash point: Specific gravity:	Colour: colourless 8.5-9.5 30 °C 1.04 g/cm <sup>3</sup>	Odor: alcoholic	
	<b>500 mL EQU</b> Appearance: liquid pH: Specific gravity:	Colour: colourless 6-7 1.05 g/cm³	Odor: odorless	
	<b>150 mL LYS</b> Appearance: liquid pH: Specific gravity:	Colour: blue 13 1.008 g/cm³	Odor: odorless	
	<b>150 mL NEU</b> Appearance: liquid pH: Flash point: Specific gravity:	Colour: colourless 4-5 63 °C 1.19 g/cm <sup>3</sup>	Odor: acetic	
	<b>150 mL RES</b> Appearance: liquid pH: Specific gravity:	Colour: colourless 7.5 - 8.5 1.01 g/cm³	Odor: odorless	
	<b>0.6-100 mg RNase A (Iyo)</b> Appearance: solid (Iyoph.) Solubility in water:	Colour: colourless 0-100 %	Odor: odorless	
	<b>13 mL TRIS</b> Appearance: liquid pH: Specific gravity:	Colour: colourless 8-9 1.0 g/cm <sup>3</sup>	Odor: odorless	
	<b>300 mL WASH</b> Appearance: liquid pH: Flash point: Specific gravity:	Colour: colourless 6.5 - 7.5 31 °C 1.04 g/cm <sup>3</sup>	Odor: alcoholic	

#### 9.2 Other information

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

## **SECTION 10: Stability and reactivity**

#### 10.1 Reactivity

no further data available.

#### 10.2 **Chemical stability** No known instability.

#### 10.3 Possibility of hazardous reactions

But avoid reactions with oxidizing agents. No further data available.

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10.4	<b>Conditions to avoid</b> Not necessary. But can form expl	osive gases/vapour with air. Use only in a well-ventilated working areas	
10.5	Incompatible materials Avoid contact with strong acids or	alkalines. Avoid storage with oxidising substances.	
10.6	Hazardous decomposition products In the original package all parts/all reagents are safety and separated stored. Decompositions are not observed during the expirate period under recommended conditions.		served during the expiration
SECT	ION 11: Toxicological i	nformation	
11.1	Information on toxicolog Following information is valid f 180 mL ELU	cal effects or pure substances. Quantitative data on the toxicity of this product are	e not available.

	_			- · - · · · - · · ·
Chemical:	2-propa			CAS No.: 67-63-0
TSCA Inventory:		listed	California Proposition 65 List: not lis	sted
ACGIH:		1230 ppm		
Exposure Routes:		inhalation, ingestion	, skin and/or eye contact	
Target Organs:		Eyes, skin, respirato	ory system	
Symptoms:		irritation eves. nose.	throat: drowsiness. dizziness. headad	che; dry cracking skin; in animals: narcosis
Australia NICNAS:		<b>,</b> , ,	Canada CEPA 1999: DSL y	
Japan CSCL/PRTR:		PAC yes, Japan PD	,	
Japan ISHL:			Article 57-2 (SDS required)	
South Korea TCCA:		10100 = 1,0 /0/=0,1 /0,		
Korea Exist.Chem.Ir		KE 20263		
LD50 <sub>orl rat</sub> :	iveniory.	5045 mg/kg		
LC_Low <sub>orl hmn</sub> :		3570 mg/kg		
LC_LOworl hmn				
LC50 <sub>ihl rat</sub> :		16 <sub>4h</sub> g/m <sup>3</sup>		
LD50 <sub>drm rbt</sub> :		12.8 g/kg		
TRGS 905 (DE):		R <sub>F</sub> C		
Ohamiaal				040 No. 2442 40 2
Chemical:	potassi	ium chloride		CAS No.: 7447-40-7
TSCA Inventory:		listed		
Korea Exist.Chem.Ir	nventory:			
LD50 <sub>orl rat</sub> :		2600 mg/kg		
Chemical:	chemic	als/mixture < 1%		CAS No.: -
TSCA Inventory:	0//0////0	all listed, <1%		
Korea Exist.Chem.Ir	wontory			
	iventory.	listed		
500 mL EQU				
Chemical:	notoooi	ium chloride		CAS No.: 7447-40-7
	ρυιαδδί	listed		CAS NO 7447-40-7
TSCA Inventory:				
Korea Exist.Chem.Ir	nventory:			
LD50 <sub>orl rat</sub> :		2600 mg/kg		
450				
150 mL LYS				
Chemical:	sodium	hydroxide solution		CAS No.: 1310-73-2d
TSCA Inventory:		listed	California Proposition 65 List: not lis	sted
Exposure Routes:		inhalation, ingestion	, skin and/or eye contact	
Target Organs:		Eyes, skin, respirato	ory system	
Symptoms:		-		
Japan CSCL/PRTR:		not listed, Japan PD	SCL: not listed	
Japan ISHL:		listed ≥1,0%/≥1,0%		
Korea Exist.Chem.Ir	nventorv.			
LD50 <sub>orl rat</sub> :		[< 1%] > 50 g/kg		
LD50drm rbt :		not applicable		
LD50 <sub>orl mus</sub> :		[< 1%] > 4 g/kg		
		1 1/0] - T 9/109		



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<u> </u>			
Chemical: TSCA Inventory: Australia NICNAS: Japan CSCL/PRTR: Japan ISHL: South Korea TCCA: Korea Exist.Chem.In LD50orl rat : LC50inh rat :	not listed Canada Canada Canada PRTR - Class I Designated Chemical S not listed not listed nventory: KE-21884 1288 mg/kg 3900 <sub>1h</sub> mg/m <sup>3</sup>	CAS No.: 151-21-3 osition 65 List: not listed CEPA 1999: DSL yes Substance, Japan PDSCL: not listed	
LD50 <sub>drm rbt</sub> :	10 g/kg		
Chemical: TSCA Inventory:	<i>indicator dye(s)</i> all listed, <1%	CAS No.: -	
150 mL NEU			
Chemical: TSCA Inventory: Korea Exist.Chem.In	acetate buffer solution all listed nventory: listed	CAS No.: -	
150 mL RES Chemical:	chemicals/mixture < 1%	CAS No.: -	
TSCA Inventory: Korea Exist.Chem.In	all listed, <1% nventory: listed		
0.6-100 mg RNase			
Chemical: TSCA Inventory: Japan CSCL/PRTR: Japan ISHL: Korea Exist.Chem.In LD50intraperitonaeal rat	not listed nventory: KE-30341 <sub>it</sub> : 392 mg/kg	CAS No.: 9001-99-4	
Acute Effects: Cause Chronic Effects: May	e after impairments of health when ingested in si	mall quantities. eated contact of small amounts. May cause allergy o	∍r asthma
13 mL TRIS			
Chemical: TSCA Inventory: Korea Exist.Chem.In	<i>chemicals/mixture &lt; 1%</i> all listed, <1% nventory: listed	CAS No.: -	
300 mL WASH			
Chemical: TSCA Inventory: ACGIH: Exposure Routes: Target Organs: Symptoms:	1000 ppm inhalation, ingestion, skin and/or eye c Eyes, skin, respiratory system, central irritation eyes, skin, nose; headache, d	CAS No.: 64-17-5d osition 65 List: not listed contact nervous system, liver, blood, reproductive system drowsiness, lassitude (weakness, exhaustion), narcos	sis; cougł
	ia; reproductive, teratogenic not listed Canada : not listed, Japan PDSCL: not listed listed ≥0,1%/≥0,1%, Article 57-2 (SDS	CEPA 1999: DSL yes	, .
Korea Exist.Chem.In LD50 <sub>orl rat</sub> : LC_Lowihl gpg : LC_Loworl hmn : LC50 <sub>ihl mouse</sub> :			
LC50ihl mouse : LC50ihl rat : LD50drm rbt : LD50oral mouse :	[41] 39 g/m <sup>2</sup> [10h] 20 g/m <sup>3</sup> 20 000 mg/kg 3450 mg/kg		
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Printing date: 12.05.202	.1	Date of issue: 17.02.2021		
TRGS 90	05 (DE): K5, M5, R <sub>F</sub>	с		
Chemica TSCA Inv Korea Ex LD50 <sub>ort ra</sub>	ventory: listed kist.Chem.Inventory: KE-29086		CAS No.: 7447-40-7	
ECTION 12: Ec	cological information	1		
-	formation is valid for pure sub	stances.		
	mical: 2-propanol	140.9 mg/L	CAS No.: 67-63-0	
LC5 EC5 IC50 EC1 Wate Disp	Ofish/96h: Odaphnia/48h: Oscenedesmus quadricauda/72h: Opseudomonas putita/16h: er hazard class (DE):	1400 mg/L 13.3 g/L >1000 mg/L EC5: 1050 mg/L 1 WGK No.: 0135 0.05 3		
Che Wate	mical: <i>potassium chlo</i> er hazard class (DE):	-	CAS No.: 7447-40-7	
Wate		ure < 1% 1 12-13	CAS No.: -	
Wate	mical: <i>potassium chlo</i> er hazard class (DE):	<i>ride</i> 1 12-13	CAS No.: 7447-40-7	
LC5 LC5 EC5 Wate	mical: sodium hydroxi Oleuciscus idus/96h : Ofish/96h : O <sub>daphnia/48h</sub> : er hazard class (DE):	ide solution 35-189 mg/L 45.4 mg/L >100 mg/L nwg WGK No.: 0142 12-13	CAS No.: 1310-73-2d	
LC5 LC5 Wate Disp	0 <sub>fish/96h</sub> : er hazard class (DE):	, sodium salt 6.3 mg/L 1.31-22.5 mg/L 2 1.6 12-13	CAS No.: 151-21-3	
	mical: <i>indicator dye(s)</i> age class (VCI):	) 12-13	CAS No.: -	
	mical: acetate buffer s	solution 12	CAS No.: -	
150 mL I	RES			



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Printing	date: 12.05.2021	Date of issue: 17.02.2021		
	Chemical: chemicals/miz	$x_{ture} < 1\%$	CAS No.: -	
	Water hazard class (DE):	1	0/10/110	
	Storage class (VCI):	12-13		
	0.6-100 mg RNase A (Iyo)			
	Chemical: RNase		CAS No.: 9001-99-4	
	Water hazard class (DE):	1		
	Storage class (VCI):	13		
	13 mL TRIS			
	Chemical: chemicals/mix		CAS No.: -	
	Water hazard class (DE):	1		
	Storage class (VCI):	12-13		
	300 mL WASH			
	Chemical: ethanol		CAS No.: 64-17-5d	
	PNEC(fresh water) : PNEC = Predicted No Effected Concentratio	0.96 mg/L <sup>n</sup>		
	LC50daphnia magna/48h:	>100 g/L		
	LC50pimephales promelas/96h :	13.4-15.1 g/L		
	LC50 <sub>leuciscus</sub> idus/96h :	[48h] 8.14 g/L		
	LC50 <sub>fish/96</sub> h	13 g/L		
	EC50 <sub>daphnia</sub> /48h: IC50 <sub>scenedesmus quadricauda/72h:</sub>	9.3-14.2 g/L [7d] 5000 mg/L		
	EC10pseudomonas putita/16h :	[EC5] 6500 mg/L		
	Water hazard class (DE):	1 WGK No.: 0096		
	Dispersion coefficient <sub>(octanol-water)</sub> :			
	Storage class (VCI):	3		
	Chemical: potassium ch		CAS No.: 7447-40-7	
	Water hazard class (DE): Storage class (VCI):	1 12-13		
• •	Develoten op ovel de verskekiliter			
2.2	Persistence and degradability not necessary			
2.3	Bioaccumulative potential			
	not necessary			
2.4	Mobility in soil			
	not necessary			
	-			

#### 12.5 Results of PBT and vPvB assessment no data available

12.6 Other adverse effects

no additional data available

## **SECTION 13: Disposal considerations**

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: 14.3 Class: Road transport	1993 3	<ul><li>I4.2 UN proper shipping name: Flammable liquid, n.o.s. (2-propanol mixture)</li><li>I4.4 Packing group: III</li></ul>	
Classification code:	F1		
Limited Quantity:	5 L	Tunnel restriction code: E	
Excepted Quantity: Air transport	E 1	Special instructions: 640E	
PAX:	355	max. weight PAX: 60 L	
CAO:	366	max. weight CAO: 220 L	



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 Maritime transport

 EmS:
 F-E, S-E
 Storage category:
 A

### 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 releva	list of relevant H phrases			
	H226	. Flammable liquid and vapour.			
	H315	Causes skin irritation.			
	H319	Causes serious eye irritation.			
	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.			
	1.1.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4.4				

### 16.1.2 List of relevant P phrases

P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P261sh	Avoid breathing dust/vapours.
P280sh	Wear protective gloves/eye protection.
P304+340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P342+311	If experiencing respiratory symptoms: Call a POISON CENTER/doctor.

### 16.2 Training advice

Multiple safety training of staffs about danger and protection by using hazards in working area. Additionally training and introduction of staffs for using these products.

### 16.3 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 2017)! 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, 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



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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 Directive 1999/92/EC Minimum requirements for improving the safety and health protection of workers at risk from potentially explosive atmospheres

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

### **Revisions/Updates**

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



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