

Safety Data Sheet

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

REF: 740910.20 NucleoSpin RNA Clean-up Maxi (20) Page: 1/11

Printing date: 12.05.2021 Date of issue: 04.02.2021

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

1.1 **Product identifier**

REF 740910.20

Product name NucleoSpin RNA Clean-up Maxi (20)

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 60 mL RA1 1 x 160 mL RA2 1 x 100 mL RA3

1 x 60 mL RNase-free H₂ 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.

not described

1.3 Details of the supplier of the safety data sheet

Manufactured by:

MACHEREY-NAGEL GmbH & Co. KG Valencienner Str. 11, 52355 Düren, GERMANY

Tel.: +49 2421 969 0 E-mail: sds@mn-net.com (msds@mn-net.com)

1.4 **Emergency telephone number**

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

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

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

SECTION 2: Hazard identification

Classification of the complete product 2.0





GHS02

GHS07

Signal word WARNING

Hazard identification Hazard classes/categories

H226 Flam. Liq. 3 H302 Acute Tox. 4 oral H412 Aquatic Chronic 3

2.1 Classification of the substance or mixture

60 mL RA1



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CHEREY-NAGE



Safety Data Sheet

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

REF: 740910.20 NucleoSpin RNA Clean-up Maxi (20) Page: 2/11

Date of issue: 04.02.2021 Printing date: 12.05.2021

> WARNING Signal word

Hazard identification Hazard classes/categories H302 Acute Tox. 4 oral H412 Aquatic Chronic 3

160 mL RA2





WARNING

Hazard identification Hazard classes/categories

H226 Flam. Liq. 3 H302 Acute Tox. 4 oral H412 Aquatic Chronic 3

100 mL RA3

Do not need labelling as hazardous

Signal word

No hazard class

Signal word

60 mL RNase-free H₂ O

Do not need labelling as hazardous

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).

60 mL RA1



Signal word: WARNING

Harmful to aquatic life with long lasting effects.

160 mL RA2





Signal word: WARNING

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REF: 740910.20 NucleoSpin RNA Clean-up Maxi (20) Page: 3/11

Printing date: 12.05.2021 Date of issue: 04.02.2021

H226, H302, H412

Flammable liquid and vapour. Harmful if swallowed. Harmful to aquatic life with long lasting effects.

P210, P264W, P273, P301+312, P330

Keep away from heat/sparks/open flames/hot surfaces. No smoking. Wash with water thoroughly after handling. Avoid release to the environment. IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.

100 mL RA3

Do not need labelling as hazardous Signal word: -

60 mL RNase-free H2 O

Do not need labelling as hazardous Signal word: -

2.3 Other hazards

Possible hazards from physicochemical properties

Flammable properties. Vapour forms explosive mixtures with air. For guanidine thiocyanate CAS 593-84-0: The properties H314, H332 "Causes severe skin burns and eye damage. Harmful if inhaled." are not relevant, because the mixture solution is buffered to pH 4-9 (see GHS Directive 1272/2008/EC Annex I, chapter 3.2.3.1.2.). ---

Information pertaining to particular risks to human and possible symptoms

Cause after oral intake, impairments of health when ingested in small quantities. -

Information pertaining to particular risks to the environment

Harmful to aquatic life with long lasting effects. Avoid contact of substance/mixture to environment.

PBT: not applicable vPvB: not applicable

Other hazards

SECTION 3: Composition/information on ingredients

3.1 Substances or 3.2 Mixtures

60 mL RA1

Chemical: guanidinium thiocyanate CAS No.: 593-84-0

Classification: H302, Acute Tox. 4 oral, H312, Acute Tox. 4 derm., H314, Skin Corr. 1B, H332, Acute Tox. 4 inh.,

H412, Aquatic Chronic 3

Formula: $C_2 H_6 N_4 S$

Pseudonym: guanidine rhodanide TSCA Inventory: listed

REACH Reg. No.: 01-2120735072-65-0001

EC No.: 209-812-1 Indice No.: 615-004-00-3 RTECS: XL1225000 MFCD: 00013027

KE No.: not listed Concentration: 45 - <60 %

acc. CLP (GHS): H302, Acute Tox. 4 oral, H412, Aquatic Chronic 3

160 mL RA2

Chemical: guanidinium thiocyanate CAS No.: 593-84-0

Classification: H302, Acute Tox. 4 oral, H312, Acute Tox. 4 derm., H314, Skin Corr. 1B, H332, Acute Tox. 4 inh.,

H412, Aquatic Chronic 3

Formula: C₂ H₆ N₄ S Pseudonym: guanidine rhodanide

TSCA Inventory: listed

REACH Reg. No.: 01-2120735072-65-0001

EC No.: 209-812-1 Indice No.: 615-004-00-3 RTECS: XL1225000 MFCD: 00013027

KE No.: not listed Concentration: 30 - <45 %

acc. CLP (GHS): H302, Acute Tox. 4 oral, H412, Aquatic Chronic 3

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

REF: 740910.20 NucleoSpin RNA Clean-up Maxi (20) Page: 4/11

Date of issue: 04.02.2021 Printing date: 12.05.2021

> Chemical: ethanol CAS No.: 64-17-5

(denatured with 1%IPA/1%MEK, acc.2016/1867/EU) Classification:

H225, Flam. Liq. 2 Formula: C₂ H₆ O; C₂ H₅ OH

ethyl alcohol, methylated spirit Pseudonym:

TSCA Inventory: listed

REACH Reg. No.: 01-2119457610-43-xxxx

200-578-6 603-002-00-5 EC No.: Indice No.: KQ6300000 RTECS: MFCD: 00003568

KE-13217 KE No .: Concentration: 20 - <35 % acc. CLP (GHS): H226, Flam. Liq. 3

100 mL RA3

CAS No .: -Chemical: chemicals/mixture < 1%

Classification: No criteria for classification or naming of chemical not required.

TSCA Inventory: all listed, <1% KE No.: listed Concentration: 0.1 - <1 %

acc. CLP (GHS): The criteria for classification are not fulfilled.

60 mL RNase-free H₂ O

CAS No.: 7732-18-5 Chemical: water

Classification: No criteria for classification or naming of chemical not required. Formula: H_2O

TSCA Inventory: listed

REACH Reg. No.: exempt, Annex IV 231-791-2 EC No.: RTECS: ZC0110000 KE No.: KE-35400 90 - <100 % Concentration:

acc. CLP (GHS): The criteria for classification are 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.

4.1.1 After SKIN Contact

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

4.1.2 After EYE Contact

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

4.1.3 After INHALATION of vapours

After inhalation of foam or vapour fresh air should be inhaled. Keep airways free. ---

4.1.4

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

4.2 Most important symptoms and effects, both acute and delayed

4.3 Indication of any immediate medical attention and special treatment needed

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Safety Data Sheet

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

 REF: 740910.20
 NucleoSpin RNA Clean-up Maxi (20)
 Page: 5/11

 Printing date: 12.05.2021
 Date of issue: 04.02.2021

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.

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). 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, contains only small amounts of these substances

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.

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.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

60 mL RA1

Chemical: guanidinium thiocyanate CAS No.: 593-84-0

DNEL: [inh] 1092 µg/m³

DNEL = Derived No-Effect Level (for workers)

PNEC (feeb water): 42.4 µg/l

PNEC (fresh water): 42.4 µg/L PNEC = Predicted No Effected Concentration

IIOSH: not listed
[TWA] Time-weighted average to a reference period of 8 hours, [STEL] Short-term exposure limit related to a 15-minute period

OSHA: not listed

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REF: 740910.20 NucleoSpin RNA Clean-up Maxi (20) Page: 6/11

Printing date: 12.05.2021 Date of issue: 04.02.2021

160 mL RA2

guanidinium thiocyanate CAS No : 593-84-0 Chemical:

DNEL: [inh] 1092 µg/m³ DNEL = Derived No-Effect Level (for workers)

PNEC (fresh water): 42.4 µg/L PNEC = Predicted No Effected Concentration not listed

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

OSHA: not listed

Chemical: ethanol CAS No.: 64-17-5

[derm] 343 mg/kg; [inh] 950 mg/m³ DNFI · DNEL = Derived No-Effect Level (for workers)

PNEC_(fresh water): 0.96 mg/L PNEC = Predicted No Effected Concentration

TRGS 900 (DE): 200 mL/m3 / 380 mg/m3

4 (II), Y Short-term exposure factor:

skin resorptive (H), respiratory sensitizable (Sa), skin sensitizable (Sh), teratogenic (Z) not securely excluded / (Y) certainly excluded

SUVA(CH) MAK value: 500 ppm / 960 mg/m³

[TWA] 1000 ppm / 1900 mg/m³ NIOSH:

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

OSHA: [TWA] 1000 ppm / 1900 mg/m³

100 mL RA3

CAS No · chemicals/mixture < 1% Chemical:

60 mL RNase-free H2 O

Chemical: water CAS No.: 7732-18-5

8.2 **Exposure controls**

Good ventilation and extraction system in the room, floor resistant to chemicals with floor drainage and washing facilities. The highest level of cleanliness must be maintained at the workplace.

8.2.1 Respiratory protection

No additional recommendations.

8.2.2

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

8.2.3

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

8.2.4

Recommended to avoid contamination with these hazards.

8.2.5

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

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

60 mL RA1

Appearance: liquid Colour: colourless Odor: odorless

pΗ: 6.5 - 7.5Specific gravity: 1.13 g/cm³

160 mL RA2

Odor: alcoholic Colour colourless Appearance: liquid

pH: 7.0-7.5 Flash point: 28 °C Specific gravity: 1.03 g/cm³

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REF: 740910.20 NucleoSpin RNA Clean-up Maxi (20) Page: 7/11

Date of issue: 04.02.2021 Printing date: 12.05.2021

100 mL RA3

Colour: colourless Odor: odorless Appearance: liquid

pH. 7-8 Specific gravity: 1.00 g/cm³

60 mL RNase-free H₂ O

Odor: odorless Appearance: liquid Colour: colourless

6-8 Specific gravity: 1.0 g/cm³

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. 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

Not necessary. But can form explosive 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 expiration period under recommended conditions.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Following information is valid for pure substances. Quantitative data on the toxicity of this product are not available.

60 mL RA1

Chemical: guanidinium thiocyanate CAS No.: 593-84-0

TSCA Inventory: California Proposition 65 List: not listed Australia NICNAS: not listed Canada CEPA 1999: DSL yes

Japan CSCL/PRTR: not listed, Japan PDSCL: not listed

Japan ISHL: not listed South Korea TCCA: not listed Korea Exist.Chem.Inventory: not listed LD50_{orl rat}: 593 mg/kg LC50_{drm rbt}: >2000 mg/m³ [4h] 5.319 mg/L LC50_{ihl rat}: LD50_{ipr mus}: 300 mg/kg

Acute Effects: Cause after oral intake, impairments of health when ingested in small quantities.

160 mL RA2

Chemical: guanidinium thiocyanate CAS No.: 593-84-0

TSCA Inventory: California Proposition 65 List: not listed listed Australia NICNAS: not listed Canada CEPA 1999: DSL yes

Japan CSCL/PRTR: not listed, Japan PDSCL: not listed

Japan ISHL: not listed South Korea TCCA: not listed Korea Exist.Chem.Inventory: not listed LD50_{orl rat}: 593 mg/kg LC50_{drm rbt}: >2000 mg/m³

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Printing date: 12.05.2021 Date of issue: 04.02.2021

> LC50_{ihl rat}: [4h] 5.319 mg/L LD50_{ipr mus}: 300 mg/kg

Acute Effects: Cause after oral intake, impairments of health when ingested in small quantities.

Chemical: CAS No.: 64-17-5 ethanol

TSCA Inventory: California Proposition 65 List: not listed

ACGIH: 1000 ppm

Exposure Routes: inhalation, ingestion, skin and/or eye contact

Target Organs: Eyes, skin, respiratory system, central nervous system, liver, blood, reproductive system

Symptoms: irritation eyes, skin, nose; headache, drowsiness, lassitude (weakness, exhaustion), narcosis; cough;

liver damage, anemia, reproductive, teratogenic

Australia NICNAS: Canada CEPA 1999: DSL yes not listed

Japan CSCL/PRTR: not listed, Japan PDSCL: not listed

Japan ISHL: listed ≥0,1%/≥0,1%, Article 57-2 (SDS required)

South Korea TCCA: not listed Korea Exist.Chem.Inventory: KE-13217 LD50_{orl rat}: 6200 mg/kg LC_Lowihl gpg: 21.9 g/m³ LC_Loworl hmn: 1400 mg/kg [4h] 39 g/m³ LC50_{ihl mouse}: [10h] 20 g/m³ LC50_{ihl rat}: LD50_{drm rbt}: 20 000 mg/kg LD50_{oral mouse}: 3450 mg/kg

TRGS 905 (DE): K5, M5, R_F C

100 mL RA3

Chemical: chemicals/mixture < 1% CAS No .: -

TSCA Inventory: all listed <1%

Korea Exist.Chem.Inventory: listed

60 mL RNase-free H₂ O

Chemical: CAS No.: 7732-18-5

TSCA Inventory listed Korea Exist.Chem.Inventory: KE-35400

SECTION 12: Ecological information

12.1 **Toxicity**

Following information is valid for pure substances.

60 mL RA1

Chemical: guanidinium thiocyanate CAS No.: 593-84-0

Harmful to aquatic life with long lasting effects. Avoid contact of substance/mixture to environment. Environmental hazards must not be labelled with P phrases until 125 mL (EU 1272/2008 Annex I - 1.5.2).

PNEC (fresh water):
PNEC = Predicted No Effected Concentration 42.4 µg/L

LC50_{fish/96h}: [4d] 89.1 mg/L EC50_{daphnia/48h}: 42.4 mg/L $1C50_{scenedesmus}$ quadricauda/72h : 130 mg/L EC10_{pseudomonas putita/16h}: [10d] 200 mg/L

Water hazard class (DE):

Dispersion coefficient(octanol-water): [pH 5.1] -1.11

Storage class (VCI):

160 mL RA2

guanidinium thiocyanate Chemical: CAS No.: 593-84-0

Harmful to aquatic life with long lasting effects. Avoid contact of substance/mixture to environment.

Environmental hazards must not be labelled with P phrases until 125 mL (EU 1272/2008 Annex I - 1.5.2).

PNEC (fresh water):
PNEC = Predicted No Effected Concentration 42.4 µg/L

LC50_{fish/96h}: [4d] 89.1 mg/L EC50_{daphnia/48h}: 42.4 mg/L

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REF: 740910.20 NucleoSpin RNA Clean-up Maxi (20) Page: 9/11

Printing date: 12.05.2021 Date of issue: 04.02.2021

> 130 ma/L IC50scenedesmus quadricauda/72h: EC10_{pseudomonas} putita/16h [10d] 200 mg/L

Water hazard class (DE):

Dispersion coefficient(octanol-water): [pH 5.1] -1.11 <u>1</u>2

Storage class (VCI):

CAS No.: 64-17-5 Chemical: ethanol

PNEC (fresh water):
PNEC = Predicted No Effected Concentration 0.96 mg/L

 $LC50_{daphnia\ magna/48h}$: >100 mg/L 13400 - 15100 mg/L LC50pimephales promelas/96h: [48h] 8140 mg/L LC50_{leuciscus} idus/96h LC50_{fish/96h}: 13 g/L EC50daphnia/48h: 9.3-14.2 g/L IC50_{scenedesmus} quadricauda/72h: [7d] 5000 mg/L $EC10_{pseudomonas\ putita/16h}$: [EC5] 6500 mg/L WGK No.: 0096

Dispersion coefficient(octanol-water): -0.31 Storage class (VCI):

Water hazard class (DE):

100 mL RA3

Chemical: chemicals/mixture < 1% CAS No .: -

Water hazard class (DE): Storage class (VCI): 12-13

60 mL RNase-free H2 O

Chemical: CAS No.: 7732-18-5 water

12.2 Persistence and degradability

not necessary

12.3 Bioaccumulative potential

not necessary

12.4 Mobility in soil

not necessary

12.5 Results of PBT and vPvB assessment

no data available

12.6 Other adverse effects

no additional data available

SECTION 13: Disposal considerations

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 UN number: 14.2 UN proper shipping name: Flammable liquid, n.o.s. (ethanol mixture) 1993

14.3 Class: 14.4 Packing group:

Road transport Classification code:

Limited Quantity: Tunnel restriction code: 5 I Special instructions: 640E **Excepted Quantity:** Air transport

PAX: 355 max. weight PAX: max. weight CAO: CAO: 366

Maritime transport Α

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

www.mn-net.com

US:



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60 L

220 L

Version: M V 4.12.0 E-mail: info@mn-net.com

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Safety Data Sheet

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

REF: 740910.20 NucleoSpin RNA Clean-up Maxi (20) Page: 10/11

Date of issue: 04.02.2021 Printing date: 12.05.2021

14.5 **Environmental hazards**

none, contains only small quantities of hazardous substances, contains only small amounts of these 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

Flammable liquid and vapour.

H302 Harmful if swallowed.

H412 Harmful to aquatic life with long lasting effects.

16.1.2 List of relevant P phrases

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

P264W Wash with water thoroughly after handling.

P273 Avoid release to the environment

P301+312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.

P330 Rinse mouth.

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, 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

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)

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Revisions/Updates

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

2017-08 Adaption of new ethanol denaturation 2016/1867/EU

2017-11 Adaption of ECHA Registration dossier

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