

Safety Data Sheet

SDS acc. Hazard Communication Standard

 REF: 740609.50
 NucleoSpin Gel and PCR Clean-up (50)
 Page: 1/10

 Printing Date: 04.04.2023
 Date of Issue: 27.02.2023
 Version: 2.2.6.4

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

1.1 Product Identifier / Product Name

REF 740609.50 Product Name NucleoSpin Gel and PCR Clean-up (50)

> 1 x 13 mL NE 1 x 40 mL NTI UFI: N5XV-533V-Y202-95TW 1 x 25 mL NT3

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 and of the Safety Data Sheet

Manufactured by:

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

Phone: +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. USA: American Association Of Poison Control Centers

Rockville, MD 20857. tel. 1-800-222-1222, https://www.poisonhelp.org

DE: Gemeinsames Giftinformationszentrum (GGIZ)
99089 Erfurt tel. +49 361 730 730
https://www.ggiz-erfurt.de

You find our current versions of SDS in Internet: http://www.mn-net.com/SDS

SECTION 2: Hazard(s) Identification

2.0 Classification of the complete Product



GHS07

Aquatic Chronic 3

Signal Word WARNING

Hazard Identification Hazard Classes/Categories
H302 Acute Tox. 4 oral

2.1 Classification of the substance or mixture

40 mL NTI

H412





Software: M2 V 6.1.1.5

MACHEREY-NAGEL GmbH & Co. KG Valencienner Str. 11 52355 Düren · Germany

52355 Düren · Germany www.mn-net.com

DE Tel.: +49 24 21 969-0 info@mn-net.com

CH Tel.: +41 62 388 55 00 sales-ch@mn-net.com FR Tel.: +33 388 68 22 68 sales-fr@mn-net.com



Safety Data Sheet

SDS acc. Hazard Communication Standard

 REF: 740609.50
 NucleoSpin Gel and PCR Clean-up (50)
 Page: 2/10

 Printing Date: 04.04.2023
 Date of Issue: 27.02.2023
 Version: 2.2.6.4

Signal Word WARNING

Hazard Identification Hazard Classes/Categories
H302 Acute Tox. 4 oral
H412 Aquatic Chronic 3

25 mL NT3

Do not need labelling as hazardous

Signal Word

No Hazard Class

13 mL NE

Do not need labelling as hazardous

Signal Word

No Hazard Class

List of H phrases: see section 16.2

2.2 Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

According the implementation of GHS immediate packages only must be labelled with product identificator(s), GHS symbol(s), signal word, manufacturer name and phone number (OSHA's interpretation of HCS 2012). Harmful chemicals/mixtures with signal word: **WARNING** must not be labelled with H and P phrases **until 125 mL** (EU 1272/2008 Annex I - 1.5.2) / **until 100 mL** (Canada WHMIS 2015). This labelling exemption does not apply to U.S.A.

40 mL NTI



GHS0

Signal Word: WARNING

25 mL NT3

Do not need labelling as hazardous Signal Word: -

13 mL NE

Do not need labelling as hazardous Signal Word: -

Label elements of the complete product



GHS07

Signal Word: WARNING

2.3 Other Hazards

Possible Hazards from physicochemical Properties

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

Possible endocrine disrupting effects



Software: M2 V 6.1.1.5

MACHEREY-NAGEL GmbH & Co. KG Valencienner Str. 11

52355 Düren · Germany www.mn-net.com

DE Tel.: +49 24 21 969-0 info@mn-net.com

CH Tel.: +41 62 388 55 00 sales-ch@mn-net.com FR Tel.: +33 388 68 22 68 sales-fr@mn-net.com



Safety Data Sheet

SDS acc. Hazard Communication Standard

 REF: 740609.50
 NucleoSpin Gel and PCR Clean-up (50)
 Page: 3/10

 Printing Date: 04.04.2023
 Date of Issue: 27.02.2023
 Version: 2.2.6.4

data not available

SECTION 3: Composition/Information on Ingredients

3.1 Substances or 3.2 Mixtures

40 mL NTI

Substance name: guanidinium thiocyanate

CAS No.: 593-84-0

Substance rating: H302, Acute Tox. 4 oral, H312, Acute Tox. 4 derm., H314, Skin Corr. 1C, H332, Acute Tox. 4 inh.,

H412, Aquatic Chronic 3

Chemical Formula: C 2 H 6 N 4 S Synonyms (de): Guanidiniumrhodanid

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

EC No.: 209-812-1 Indice No.: 615-004-00-3

Concentration: 30 - <45 %

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

25 mL NT3

Substance name: chemicals/mixture until 1%

CAS No.:

Substance rating: No criteria for classification or naming of chemical is not required.

Concentration: 0,1 - <1 %

acc. GHS: The criteria for classification are not fulfilled

13 mL NE

Substance name: chemicals/mixture until 1%

CAS No.:

Substance rating: No criteria for classification or naming of chemical is not required.

Concentration: 0,1 - < 1%

acc. 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 Hazard and Precaution phrases: see section 16.2.

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 soap.

4.1.2 After EYE Contact

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

4.1.3 After INHALATION of Vapors

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

4.1.4 After ORAL Intake

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

4.2 Most important Symptoms and Effects, both acute and delayed

4.3 Indication of any immediate Medical Attention and Special Treatment needed

No additionally recommendations. ---



MACHEREY-NAGEL GmbH & Co. KG Valencienner Str. 11

52355 Düren · Germany

DE Tel.: +49 24 21 969-0 info@mn-net.com CH Tel.: +41 62 388 55 00 sales-ch@mn-net.com

FR Tel.: +33 388 68 22 68 sales-fr@mn-net.com
US Tel.: +1 888 321 62 24 sales-us@mn-net.com

Software: M2 V 6.1.1.5



Safety Data Sheet

SDS acc. Hazard Communication Standard

 REF: 740609.50
 NucleoSpin Gel and PCR Clean-up (50)
 Page: 4/10

 Printing Date: 04.04.2023
 Date of Issue: 27.02.2023
 Version: 2.2.6.4

SECTION 5: Fire-Fighting Measures

5.1 Extinguishable Media

5.1.1 Suitable 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. 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.

5.1.2 Unsuitable extinguishing media

data not available

5.2 Special Hazards arising from the Substance or Mixture

Formation of hazardous and caustic vapor-air mixtures possible.

5.3 Advice for Firefighters

No, for listed product. Product package burns like paper or plastic.

5.4 Additional Information

SECTION 6: Accidental Release Measures

6.1 Personal Precautions, Protective Equipment and Emergency Procedure

Do not breathe vapors. Regular staff training is necessary.

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. Collect small amounts of leaked liquid and flush with water into sewer.

6.4 Reference to other Sections

SECTION 7: Handling and Storage

7.1 Precautions for Safe Handling

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

7.2 Conditions for Safe Storage, including any Incompatibilities

The original product package allows a safe storage. Storage class (German chemical industry): see chapter 12.1 **Storage class (VCI):**12 **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

40 mL NTI

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

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

 $\begin{array}{ccc} PNEC \; (\text{fresh water}) : & 42.4 \; \mu g/L \\ PNEC = Predicted \; \text{No Effected Concentration} \end{array}$

NIOSH: 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



MACHEREY-NAGEL GmbH & Co. KG Valencienner Str. 11

52355 Düren · Germany www.mn-net.com

DE Tel.: +49 24 21 969-0 info@mn-net.com

CH Tel.: +41 62 388 55 00 sales-ch@mn-net.com
FR Tel.: +33 388 68 22 68 sales-fr@mn-net.com

US Tel.: +1 888 321 62 24 sales-us@mn-net.com

Software: M2 V 6.1.1.5



Safety Data Sheet

SDS acc. Hazard Communication Standard

 REF: 740609.50
 NucleoSpin Gel and PCR Clean-up (50)
 Page: 5/10

 Printing Date: 04.04.2023
 Date of Issue: 27.02.2023
 Version: 2.2.6.4

25 mL NT3

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

13 mL NE

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

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 Skin protection / Hand protection

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

8.2.3 Eye / Face Protection

Yes, Splash Goggles.

8.2.4 Skin Protection

Not necessary.

8.2.5 Hygiene Measures

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.

8.2.6 Thermal hazards

data not available

8.3 Limitation and monitoring of environmental exposure

Do not release product into environment.

SECTION 9: Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

40 mL NTI

a) State of aggregation: liauid b) Color: blue c) Odor: acetic d) Melting Point: data not available e) Boiling Point: data not available f) Flammability: data not available g) Explosive Limits (lower / upper): data not available h) Flash Point: data not available i) Autoignition Temperature: data not available j) Decomposition Temperature: data not available k) pH Value: 4.5-5.5 I) Kinematic Viscosity: data not available m) Soluble in Water: data not available n) Partition Coefficient (o/w): data not available o) Vapor Pressure (68°F): data not available p) Specific Gravity: 1.12 g/cm³ q) Relative Vapor Density (air=1): data not available r) Particle Size: data not available

25 mL NT3

a) State of aggregation: liquid b) Color: colorless c) Odor: odorless d) Melting Point: data not available e) Boiling Point: data not available f) Flammability: data not available g) Explosive Limits (lower / upper): data not available h) Flash Point: data not available i) Autoignition Temperature: data not available



MACHEREY-NAGEL GmbH & Co. KG Valencienner Str. 11

52355 Düren · Germany

www.mn-net.com

DE Tel.: +49 24 21 969-0 info@mn-net.com
CH Tel.: +41 62 388 55 00 sales-ch@mn-net.com

FR Tel.: +33 388 68 22 68 sales-fr@mn-net.com
US Tel.: +1 888 321 62 24 sales-us@mn-net.com

Software: M2 V 6.1.1.5

CHEREY-NAGE



Safety Data Sheet

SDS acc. Hazard Communication Standard

REF: 740609.50 NucleoSpin Gel and PCR Clean-up (50) Page: 6/10 Date of Issue: 27.02.2023 Version: 2.2.6.4 Printing Date: 04.04.2023

> j) Decomposition Temperature: data not available k) pH Value: 7-8 I) Kinematic Viscosity: data not available m) Soluble in Water: data not available n) Partition Coefficient (o/w): data not available o) Vapor Pressure (68°F): data not available p) Specific Gravity: 1.00 g/cm³ q) Relative Vapor Density (air=1): data not available r) Particle Size: data not available

13 mL NE

a) State of aggregation: liauid b) Color: colorless odorless c) Odor: d) Melting Point: 0°C e) Boiling Point: data not available f) Flammability: data not available

g) Explosive Limits (lower / upper): data not available h) Flash Point: data not available i) Autoignition Temperature: data not available j) Decomposition Temperature: data not available 8-9

k) pH Value:

I) Kinematic Viscosity: data not available m) Soluble in Water. data not available n) Partition Coefficient (o/w): data not available o) Vapor Pressure (68°F): data not available p) Specific Gravity: 1.0 g/cm³ q) Relative Vapor Density (air=1): data not available r) Particle Size: data not available

9.2 **Further Information**

No data is available for the other parameters for the mixtures, since no registration and no chemical safety report is required. Properties relevant to substance groups

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**

Can form very reactive substances with oxidizing agents. Possibility: &H:EUH031& No further data available.

10.4 **Conditions to avoid**

10.5 **Incompatible Materials**

10.6 **Hazardous Decomposition Products**

In the original package all parts/all reagents are safety and separated stored. Decompositions are not observed during the expiration period under recommended conditions.



Software: M2 V 6.1.1.5

MACHEREY-NAGEL GmbH & Co. KG Valencienner Str. 11

52355 Düren · Germany www.mn-net.com

DE Tel.: +49 24 21 969-0 info@mn-net.com

CH Tel.: +41 62 388 55 00 sales-ch@mn-net.com FR Tel.: +33 388 68 22 68 sales-fr@mn-net.com

CHEREY-NAGEI



Safety Data Sheet

SDS acc. Hazard Communication Standard

REF: 740609.50 NucleoSpin Gel and PCR Clean-up (50) Page: 7/10 Date of Issue: 27.02.2023 Printing Date: 04.04.2023 Version: 2.2.6.4

SECTION 11: Toxicological Information

11.1 Information on Toxicological Effects

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

40 mL NTI

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

TSCA Inventory: listed California Prop. 65 List: not listed

DSL yes Canada CEPA 1999: LD50 orl rat: 593 mg/kg LC50 ihl rat: 5,319 mg/L/4H

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

25 mL NT3

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

TSCA Inventory: all listed, <1%

13 mL NE

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

TSCA Inventory: all listed, <1%

11.2 **Other Hazards**

Possible endocrine disrupting effects

Other Information

no additional data available

SECTION 12: Ecological Information

12.1

Following information is valid for pure chemicals.

40 mL NTI

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

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

Environmental hazards must not be labelled with P phrases until 125 mL (EU-CLP 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 130 mg/L IC50 scenedesmus quadricauda/72h: [10d] 200 mg/L EC10 pseudomonas putita/16h: Partition Coefficient (o/w): -1,11 pH 5.1

25 mL NT3

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

13 mL NE

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

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

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher



Software: M2 V 6.1.1.5

MACHEREY-NAGEL GmbH & Co. KG

Valencienner Str. 11 52355 Düren · Germany DE Tel.: +49 24 21 969-0 info@mn-net.com CH Tel.: +41 62 388 55 00 sales-ch@mn-net.com

FR Tel.: +33 388 68 22 68 sales-fr@mn-net.com

US Tel.: +1 888 321 62 24 sales-us@mn-net.com

www.mn-net.com



Safety Data Sheet

SDS acc. Hazard Communication Standard

REF: 740609.50 NucleoSpin Gel and PCR Clean-up (50) Page: 8/10 Printing Date: 04.04.2023 Date of Issue: 27.02.2023 Version: 2.2.6.4

12.6 **Endocrine disrupting properties**

data not available

12.7 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 (RCRA Code D002/D003, EU waste code number 16 05 06).

13.1 **Waste Treatment Methods**

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

SECTION 14: Transport Information

14.1 - 14.4: No dangerous goods according the Transport regulations

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 Carriage of bulk cargo by sea in accordance with IMO instruments

Not applicable.

SECTION 15: Regulatory Information

15.1 Safety, Health and Environmental Regulations/Legislation specific for the Substance or Mixture

U.S. Federal Regulations

OSHA "A Guide to The Globally Harmonized System of Classification and Labelling of Chemicals (GHS)"

https://www.osha.gov/dsg/hazcom/ghs.html

29 CFR 1910.1200 Hazard communication.

NIOSH Pocket Guide to Chemical Hazards

NIOSH Workplace Safety & Health Topics

TSCA Inventory

U.S. State Regulations

California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986

Canada

Canada CEPA 1999 - Domestic Substances List (DSL), List of Toxic Substances (Schedule 1)

MN Leaflet/User manual, also see www.mn-net.com

15.2 **Chemical Safety Assessment**

not necessary for these small amounts

SECTION 16: Other Information

16.1 Changes compared to the last version

Between versions 2.2.6.4 and 2.2.2.2 following changes were applied: - 4 composition data corrected - 2 substance data corrected

16.2 List of Hazard and Precaution Phrases

16.2.1 List of relevant H Phrases

H302 Harmful if swallowed.

H412 Harmful to aquatic life with long lasting effects.

16.2.2 List of relevant P Phrases

16.3 **Recommended Restriction on Use**

Only for Professional User.

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



MACHEREY-NAGEL GmbH & Co. KG Valencienner Str. 11

52355 Düren · Germany www.mn-net.com

DE Tel.: +49 24 21 969-0 info@mn-net.com

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

FR Tel.: +33 388 68 22 68 sales-fr@mn-net.com US Tel.: +1 888 321 62 24 sales-us@mn-net.com



Safety Data Sheet

SDS acc. Hazard Communication Standard

Page: 9/10 REF: 740609.50 NucleoSpin Gel and PCR Clean-up (50) Printing Date: 04.04.2023 Date of Issue: 27.02.2023 Version: 2.2.6.4

16.4 Sources of Key Data

KÜHN. BIRETT. Leaflets on hazardous materials. 2021

Directive 1999/92/EG Minimum requirements to improve the safety and health protection of workers at risk from potentially explosive

SUVA .CH, limit values in the air at work 2009, revised on 01/2009

Regulation 790/2009/EU, adaptation of Regulation 1272/2008/EU to technical and scientific progress (1st ATP)

Regulation 453/2010/EU, adaptation of the REACH regulation 1907/2006/EG

Regulation 487/2013/EU, adaptation of regulation 1272/2008/EG to technical and scientific progress (4th ATP) Regulation 1221/2015/EU, adaptation of regulation 1272/2008/EG to technical and scientific progress (7th ATP) Regulation 776/2017/EU, adaptation of regulation 1272/2008/EG to technical and scientific progress (10th ATP)

Regulation 669/2018/EU, adaptation of Regulation 1272/2008/EC to technical and scientific progressText (11th ATP) Regulation 1480/2018/EU, adaptation of regulation 1272/2008/EG to technical and scientific progress (13th ATP) Regulation 521/2019/EU, adaptation of regulation 1272/2008/EG to technical and scientific progress (12th ATP)

TRGS 900, German rules of technology on limit values in the air at work, as of 03/2019

Regulation 217/2020/EU, adaptation of Annex VI, Part 3, of Regulation 1272/2008/EC to technical and scientific progress (14th ATP)

Regulation 878/2020/EU, adaptation of Annex II of the REACH regulation 1907/2006/EG

Regulation 1182/2020/EÚ, adaptation of Annex VI, Part 3, of Regulation 1272/2008/EC to technical and scientific progress (15th ATP) Regulation 643/2021/EU, adaptation of Annex VI, Part 1, of Regulation 1272/2008/EC to technical and scientific progress (16th ATP) Regulation 849/2021/EU, adaptation of Annex VI, Part 3, of Regulation 1272/2008/EC to technical and scientific progress (17th ATP)

revisions/updates

2014-02 Corrected structure of the sections according to Regulation 453/2010/EU, if necessary Reason for revision:

2014-04 adjustment according Regulation 487/2013/EU 2016-03 adjustment according Regulation 1221/2015/EU

2017-11 adjustment according the ECHA registration dossier 2022-11 adjustment according Regulation 878/2020/EU

16.5 **Further Information**

MACHEREY-NAGEL GmbH & Co. KG provides the information contained herein in good faith being up-to-date of own realizations at revision time. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgement in determining its appropriateness for a particular purpose.

MACHEREY-NAGEL GmbH & Co. KG makes NO REPRESENTATIONS or WARRANTIES, either expressed or implied, including without limitation any warranties of merchantability, fitness for a particular purpose with respect to the information set forth herein or the product to which the information refers. Accordingly MACHEREY-NAGEL GmbH & Co. KG will not be responsible for damages resulting from use of or reliance upon this information. See terms and conditions at the end of our price lists for additional information.

16.6 Legend / Abbreviations

according acc:

ADR: Convention concerning the International Carriage of Dangerous Goods by Road

Act: acute

RATbiological workplace tolerance value Cargo Aircraft Only

CAO:

Carc: carcinogen

CAS: Chemical Abstracts Service

CLP: Classification, Labelling and Packaging regulation

CMR: carcinogen, mutagen, reproduction toxic

Corrcorrosive

COD: chemical oxigen demand

CSCL: Chemical Substance Control Law (Jp)

Dam: damage

DNEL: Derived No-Effect Level (for workers)

derm: dermal dog: dog

EC10: Concentration causing a toxic effect in 10% of the test organisms

European Community EC:

EC-Nr: Substance number of the EC substance inventory Guide to accident management measures on ships FmS:

Furopean Union FU: fish: fish (not specified)

GHS: Global Harmonized System of Classification and Labeling of Chemicals

guinea pig gpg: ICAO:

International Civil Aviation Organization

ihl· inhaled

IMDG: International Maritime Dangerous Goods Code

intrav: intravenous intraperitonaeal ipt:



Software: M2 V 6.1.1.5

MACHEREY-NAGEL GmbH & Co. KG

Valencienner Str. 11 52355 Düren · Germany www.mn-net.com

DE Tel.: +49 24 21 969-0 info@mn-net.com CH Tel.: +41 62 388 55 00 sales-ch@mn-net.com

FR Tel.: +33 388 68 22 68 sales-fr@mn-net.com US Tel.: +1 888 321 62 24 sales-us@mn-net.com



Safety Data Sheet

SDS acc. Hazard Communication Standard

 REF: 740609.50
 NucleoSpin Gel and PCR Clean-up (50)
 Page: 10/10

 Printing Date: 04.04.2023
 Date of Issue: 27.02.2023
 Version: 2.2.6.4

ISHL: Industrial Safety and Health Law (Jp)

LC50: letale concentration 50%

LD50: letale dosis 50%

leuciscus idus: fisch, ide, orfe
MAK: maximum workplace concentration

Met: Metall mus: mouse Muta: mutagen

NIOSH: National Institute for Occupational Safety and Health (US)

NRD: Non-rapidly degradable

onchorhynchus mykiss: fish, rainbow trout

orl: oral

OSHA: Occupational Safety and Health Administration PAX: transport on passenger planes allowed PBT: persistent, bioaccumulating, toxic substance

pH: pH value

pimephales promelas: fish, fathead minnow PNEC: Predicted No Effected Concentration PROC 15: Process category 'for laboratory use'

PRTR: Law for PRTR and Promotion of Chemical Management (Jp)

PVC: polyvinyl chloride quail: bird, quail rat: rat rbt: rabit PD: rapidly degradable

RD: rapidly degradable

RE: repeated

REACh: Registration, Evaluation, Authorisation and Restriction of Chemicals

REF: item number, reference number Reg.No.: rRegistration number Repr: harmful to reproduction

Resp: respiratory scu: sub cutan

RIP: REACH Implementations Projects

SDS: safety data sheet Sens: sensitisation

STEL: short term exposure limit
STOT: Specific Target Organ Toxicity
SVHC: Substance of Very High Concern

t/a: tons per year

TCCA: Toxic Chemicals Control Act (S. Korea)

Tox: toxic

TSCA: The Toxic Substances Control Act (US)

TWA: time weighted average TRGS: technical regulations (DE)

vPvB: very persistent, very bioaccumulating substance

16.7 Training Advice

Regular safety training. 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.



Software: M2 V 6.1.1.5

MACHEREY-NAGEL GmbH & Co. KG Valencienner Str. 11

52355 Düren · Germany www.mn-net.com

DE Tel.: +49 24 21 969-0 info@mn-net.com

CH Tel.: +41 62 388 55 00 sales-ch@mn-net.com
FR Tel.: +33 388 68 22 68 sales-fr@mn-net.com