

Safety Data Sheet

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

REF: 740983.250
Printing date: 14.02.2020

NucleoSpin Virus (250)
Date of issue: 20.05.2019

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

1.1 Product identifier

REF 740983.250
Product name NucleoSpin Virus (250)

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.

3 x 0.09-1.0 mg Carrier RNA
2 x 1.5 mL Liquid Proteinase K
1 x 125 mL VL
1 x 125 mL VW1
1 x 50 mL VW2
1 x 13 mL RNase-free H₂O

1.2 Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses
Product for analytical use.

Exposure Scenario Classification according REACH, RIP 3.2 Codes: SU 0-2, PC 21, PROC 15, AC 0
The exposure scenario is integrated into sections 1-16.

Uses advised against
not described

1.3 Details of the supplier of the safety data sheet

Manufactured by:
MACHEREY-NAGEL GmbH & Co. KG
Neumann-Neander-Str. 6-8, 52355 Dueren, GERMANY
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1.4 Emergency telephone number

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

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

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

SECTION 2: Hazard identification

2.0 Classification of the complete product



GHS02 GHS07

Signal word WARNING

| Hazard identification | Hazard classes/categories |
|-----------------------|---------------------------|
| H226 | Flam. Liq. 3 |
| H302 | Acute Tox. 4 oral |
| H315 | Skin Irrit. 2 |
| H319 | Eye Irrit. 2 |
| H336, H335 | STOT SE 3 |

2.1 Classification of the substance or mixture

0.09-1.0 mg Carrier RNA

Do not need labelling as hazardous

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Signal word -

No hazard class

1.5 mL Liquid Proteinase K

Signal word Do not need labelling as hazardous
 -

No hazard class

125 mL VL



GHS07

Signal word WARNING

| Hazard identification | Hazard classes/categories |
|-----------------------|---------------------------|
| H302 | Acute Tox. 4 oral |
| H315 | Skin Irrit. 2 |
| H319 | Eye Irrit. 2 |

125 mL VW1



GHS02



GHS07

Signal word WARNING

| Hazard identification | Hazard classes/categories |
|-----------------------|---------------------------|
| H226 | Flam. Liq. 3 |
| H302 | Acute Tox. 4 oral |
| H319 | Eye Irrit. 2 |
| H336, H335 | STOT SE 3 |

50 mL VW2

Signal word Do not need labelling as hazardous
 -

No hazard class

13 mL RNase-free H₂O

Signal word Do not need labelling as hazardous
 -

No hazard class

2.2 Label elements

According **CLP directive** inner packages must be only labelled with GHS symbol(s) and product identifier(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).
 The irritant hazard should be eliminated, because of buffer chemicals inside.

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0.09-1.0 mg Carrier RNA

Do not need labelling as hazardous
 Signal word: -

1.5 mL Liquid Proteinase K

Do not need labelling as hazardous
 Signal word: -

125 mL VL



GHS07

Signal word: WARNING

125 mL VW1



GHS02



GHS07

Signal word: WARNING

50 mL VW2

Do not need labelling as hazardous
 Signal word: -

13 mL RNase-free H₂O

Do not need labelling as hazardous
 Signal word: -

2.3 Other hazards

Possible hazards from physicochemical properties

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

Information pertaining to particular risks to human and possible symptoms

Cause after oral intake, impairments of health when ingested in small quantities.
 Kit contains small amounts of enzymes: In liquid form no hazard H334. ---

Information pertaining to particular risks to the environment

Other hazards

SECTION 3: Composition/information on ingredients

3.1 Substances or 3.2 Mixtures

0.09-1.0 mg Carrier RNA

Chemical: *carrier RNA*

CAS No.: 26763-19-6

Classification: No criteria for classification or naming of chemical not required.
 TSCA Inventory: listed (CAS 9001-99-4)

RTECS: -

MFCD:

00131937

KE No.: KE-30341

Concentration: 90 - <100 %

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

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1.5 mL Liquid Proteinase K

Chemical: *proteinase K, liquid (origin: tritirachium album)* CAS No.: 39450-01-6l
 Classification: H315, Skin Irrit. 2, H319, Eye Irrit. 2, H334, Resp. Sens. 1
 Formula: Enzyme Comm. No. 3.4.21.64, origin: tritirachium album
 TSCA Inventory: listed (CAS 102925-54-2)
 EC No.: 254-457-8 Indice No.: 647-014-00-9
 RTECS: - MFCD: 00132129
 KE No.: not listed
 Concentration: 1 - <3 %
 acc. CLP (GHS): The criteria for classification are not fulfilled.

Chemical: *glycerole* CAS No.: 56-81-5
 Classification: No criteria for classification or naming of chemical not required.
 Formula: C₃ H₈ O₃
 Pseudonym: glycerin, 1,2,3-propanetriol
 TSCA Inventory: listed (1,2,3-Propanetriol)
 REACH Reg. No.: 01-2119471987-18-xxxx
 EC No.: 200-289-5 Indice No.: n/a
 RTECS: MA8050000 MFCD: 00004722
 KE No.: KE-29297
 Concentration: 50 - <80 %
 acc. CLP (GHS): The criteria for classification are not fulfilled.

125 mL VL

Chemical: *guanidine hydrochloride* CAS No.: 50-01-1
 Classification: H302, Acute Tox. 4 oral, H315, Skin Irrit. 2, H319, Eye Irrit. 2
 Formula: CH₆ ClN₃
 Pseudonym: guanidinium chloride
 TSCA Inventory: listed
 REACH Reg. No.: 01-2119977063-35-0005
 EC No.: 200-002-3 Indice No.: 607-148-00-0
 RTECS: MF4300000 MFCD: 00013026
 KE No.: KE-18111
 Concentration: 50 - <66 %
 acc. CLP (GHS): H302, Acute Tox. 4 oral, H315, Skin Irrit. 2, H319, Eye Irrit. 2

125 mL VW1

Chemical: *guanidine hydrochloride* CAS No.: 50-01-1
 Classification: H302, Acute Tox. 4 oral, H315, Skin Irrit. 2, H319, Eye Irrit. 2
 Formula: CH₆ ClN₃
 Pseudonym: guanidinium chloride
 TSCA Inventory: listed
 REACH Reg. No.: 01-2119977063-35-0005
 EC No.: 200-002-3 Indice No.: 607-148-00-0
 RTECS: MF4300000 MFCD: 00013026
 KE No.: KE-18111
 Concentration: 36 - <50 %
 acc. CLP (GHS): H302, Acute Tox. 4 oral, H319, Eye Irrit. 2

Chemical: *2-propanol* CAS No.: 67-63-0
 Classification: H225, Flam. Liq. 2, H319, Eye Irrit. 2, H336, STOT SE 3
 Formula: C₃ H₈ O
 Pseudonym: isopropanol, IPA, propan-2-ol
 TSCA Inventory: listed
 REACH Reg. No.: 01-2119457558-25-XXXX
 EC No.: 200-661-7 Indice No.: 603-117-00-0
 RTECS: NT8050000 MFCD: 00011674
 KE No.: KE-29363
 Concentration: 20 - <35 %
 acc. CLP (GHS): H226, Flam. Liq. 3, H319, Eye Irrit. 2, H336, STOT SE 3

50 mL VW2



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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.

CAS No.: -

13 mL RNase-free H₂O

Chemical: *water*
Classification: No criteria for classification or naming of chemical not required.
Formula: H₂O
TSCA Inventory: listed
REACH Reg. No.: exempt, Annex IV
EC No.: 231-791-2
RTECS: ZC0110000
KE No.: KE-35400
Concentration: 90 - <100 %
acc. CLP (GHS): The criteria for classification are not fulfilled.

CAS No.: 7732-18-5

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 soap.

4.1.2 After EYE Contact

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

4.1.3 After INHALATION of vapours

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

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. ---

SECTION 5: Firefighting measures

5.1 Extinguishing media

Fire extinguishers appropriate to the fire classification, and, if applicable, a fire blanket must be available in a prominent location in the work area. All extinguishers like FOAM, WATER SPRAY, DRY POWDER, CARBON DIOXIDE can be used.

5.2 Special hazards arising from the substance or mixture

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

5.3 Advice for firefighters

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

5.4 Additional information

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SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures**
 Do not breathe vapours. Regular staff training is necessary.
- 6.2 Environmental precautions**
 not necessary
- 6.3 Methods and material for containment and cleaning up**
 Bind any escaping liquid with inert absorbent.
 Collect small amounts of leaked liquid and flush with water into drains.
- 6.4 Reference to other sections**

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling**
 Handling in accordance with the test instruction, that comes with the product.
- 7.2 Conditions for safe storage, including any incompatibilities**
 The original product package of MACHEREY-NAGEL allows a safe storage.
 Storage class (VCI): 3
 Water hazard class (DE): 1
- 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

0.09-1.0 mg Carrier RNA
 Chemical: *carrier RNA* CAS No.: 26763-19-6

1.5 mL Liquid Proteinase K
 Chemical: *proteinase K, liquid (origin: tritirachium album)* CAS No.: 39450-01-6
 SUVA(CH) MAK value: 0,00006_{15min} mg/m³

Chemical: *glycerole* CAS No.: 56-81-5

DNEL: [inh] 56 mg/m³
 DNEL = Derived No-Effect Level (for workers)

PNEC_(fresh water): 0.885 mg/L
 PNEC = Predicted No Effect Concentration

TRGS 900 (DE): 200 E mg/m³
 E/e respirable

Short-term exposure factor: 2 (I), Y
 skin resorptive (H), respiratory sensitizable (Sa), skin sensitizable (Sh), teratogenic (Z) not securely excluded / (Y) certainly excluded

SUVA(CH) MAK value: 50 e* mg/m³

125 mL VL
 Chemical: *guanidine hydrochloride* CAS No.: 50-01-1

DNEL: [inh] 3.5 mg/m³
 DNEL = Derived No-Effect Level (for workers)

PNEC_(fresh water): -
 PNEC = Predicted No Effect Concentration

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

125 mL VW1
 Chemical: *guanidine hydrochloride* CAS No.: 50-01-1

DNEL: [inh] 3.5 mg/m³
 DNEL = Derived No-Effect Level (for workers)

PNEC_(fresh water): -

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PNEC = Predicted No Effected Concentration

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**

Chemical: *2-propanol* CAS No.: 67-63-0

DNEL: [inh] 500 mg/m³
 DNEL = Derived No-Effect Level (for workers)

PNEC (fresh water): 140.9 mg/L
 PNEC = Predicted No Effected Concentration

TRGS 900 (DE): 200 ppm / 500 mg/m³
 E/e respirable

Short-term exposure factor: 2 (II), Y
 skin resorptive (H), respiratory sensitizable (Sa), skin sensitizable (Sh), teratogenic (Z) not securely excluded / (Y) certainly excluded

SUVA(CH) MAK value: 200 ppm / 500 mg/m³

TRGS 903 (DE): [Aceton B/b, U/b] 25 mg/L
 B blood, U urine, a no limitation, b end of exposition or shift

NIOSH: [TWA] 400 ppm / 980 mg/m³
 NIOSH STEL: 500 ppm / 1225 mg/m³
 [TWA] Time-weighted average to a reference period of 8 hours, [STEL] Short-term exposure limit related to a 15-minute period

OSHA: [TWA] 400 ppm / 980 mg/m³

50 mL VW2

Chemical: *chemicals/mixture < 1%*

CAS No.: -

13 mL RNase-free H₂O

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 Hand protection

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

8.2.3 Eye protection

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

8.2.4 Skin protection

Not necessary.

8.2.5 Personal hygiene

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

0.09-1.0 mg Carrier RNA

Appearance: solid (lyoph.)

Colour: colourless

Odor: odorless

1.5 mL Liquid Proteinase K

Appearance: liquid

Colour: colourless

Odor: odorless

pH: 7-8

Specific gravity: 1.1 g/cm³

Solubility in water: 0-100 %

125 mL VL

Appearance: liquid

Colour: colourless

Odor: odorless

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pH: 4.5-5.2
Specific gravity: 1.18 g/cm³

125 mL VW1

Appearance: liquid Colour: colourless Odor: alcoholic
pH: 7-8
Flash point: 25 °C
Specific gravity: 1.06 g/cm³

50 mL VW2

Appearance: liquid Colour: colourless Odor: odorless
pH: 7-8
Specific gravity: 1.00 g/cm³

13 mL RNase-free H₂O

Appearance: liquid Colour: colourless Odor: odorless
pH: 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

Note: Can form very reactive substances with oxidizing agents. No further data available.

10.4 Conditions to avoid

10.5 Incompatible materials

Avoid contact with strong acids or alkalines.

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.

0.09-1.0 mg Carrier RNA

| | | | |
|-----------------------------|-------------------------------------|----------|------------|
| Chemical: | <i>carrier RNA</i> | CAS No.: | 26763-19-6 |
| TSCA Inventory: | listed (CAS 9001-99-4) | | |
| Japan CSCL/PRTR: | not listed, Japan PDSCL: not listed | | |
| Japan ISHL: | not listed | | |
| Korea Exist.Chem.Inventory: | KE-30341 | | |

1.5 mL Liquid Proteinase K

| | | | |
|-----------------------------|--|----------|-------------|
| Chemical: | <i>proteinase K, liquid (origin: tritirachium album)</i> | CAS No.: | 39450-01-6l |
| TSCA Inventory: | listed (CAS 102925-54-2) | | |
| Japan CSCL/PRTR: | not listed | | |
| Japan ISHL: | not listed | | |
| Korea Exist.Chem.Inventory: | not listed | | |

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Chemical: *glycerole* CAS No.: 56-81-5
 TSCA Inventory: listed (1,2,3-Propanetriol)
 Exposure Routes: inhalation, skin and/or eye contact
 Target Organs: Eyes, skin, respiratory system, kidneys
 Symptoms: irritation eyes, skin, respiratory system; headache, nausea, vomiting; kidney injury
 Japan CSCL/PRTR: not listed, Japan PDSCL: not listed
 Japan ISHL: not listed
 Korea Exist.Chem.Inventory: KE-29297
 LD50_{orl rat}: 12.6 g/kg
 LD50_{drm rbt}: >18.7 g/kg
 TRGS 905 (DE): R_F C

125 mL VL

Chemical: *guanidine hydrochloride* CAS No.: 50-01-1
 TSCA Inventory: listed 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: KE-18111
 LD50_{orl rat}: 475-907 mg/kg
 LC50_{ihl rat}: [4h] 3181-7655 µg/m³
 LD50_{drm rbt}: 2000 mg/kg
 Acute Effects: Cause after oral intake, impairments of health when ingested in small quantities.

125 mL VW1

Chemical: *guanidine hydrochloride* CAS No.: 50-01-1
 TSCA Inventory: listed 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: KE-18111
 LD50_{orl rat}: 475-907 mg/kg
 LC50_{ihl rat}: [4h] 3181-7655 µg/m³
 LD50_{drm rbt}: 2000 mg/kg
 Acute Effects: Cause after oral intake, impairments of health when ingested in small quantities.

Chemical: *2-propanol* CAS No.: 67-63-0
 TSCA Inventory: listed California Proposition 65 List: not listed
 ACGIH: 1230 ppm
 Exposure Routes: inhalation, ingestion, skin and/or eye contact
 Target Organs: Eyes, skin, respiratory system
 Symptoms: irritation eyes, nose, throat; drowsiness, dizziness, headache; dry cracking skin; in animals: narcosis
 Australia NICNAS: not listed Canada CEPA 1999: DSL yes
 Japan CSCL/PRTR: PAC yes, Japan PDSCL: -
 Japan ISHL: listed ≥1,0%/≥0,1%, Article 57-2 (SDS required)
 South Korea TCCA: not listed
 Korea Exist.Chem.Inventory: KE-29363
 LD50_{orl rat}: 5045 mg/kg
 LC_{LoWorl hmn}: 3570 mg/kg
 LC50_{ihl rat}: 16_{4h} g/m³
 LD50_{drm rbt}: 12.8 g/kg
 TRGS 905 (DE): R_F C

50 mL VW2

Chemical: *chemicals/mixture < 1%* CAS No.: -
 TSCA Inventory: all listed, <1%
 Korea Exist.Chem.Inventory: listed

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13 mL RNase-free H₂O

Chemical: *water*
 TSCA Inventory: listed
 Korea Exist.Chem.Inventory: KE-35400

CAS No.: 7732-18-5

SECTION 12: Ecological information

12.1 Toxicity

Following information is valid for pure substances.

0.09-1.0 mg Carrier RNA

Chemical: *carrier RNA*

CAS No.: 26763-19-6

1.5 mL Liquid Proteinase K

Chemical: *proteinase K, liquid (origin: tritirachium album)*
 Water hazard class (DE): 1
 Storage class (VCI): 13

CAS No.: 39450-01-6I

Chemical: *glycerole*

CAS No.: 56-81-5

PNEC_(fresh water): 0.885 mg/L
 PNEC = Predicted No Effected Concentration
 LC50_{fish/96h}: >5000_{24h} mg/L
 EC50_{daphnia/48h}: >10_{24h} g/L
 IC50_{scenedesmus quadricauda/72h}: IC57_d >10 g/L
 EC10_{pseudomonas putita/16h}: EC5: >10 g/L
 Water hazard class (DE): 0
 Dispersion coefficient_(octanol-water): -1.76
 Storage class (VCI): 10

125 mL VL

Chemical: *guanidine hydrochloride*

CAS No.: 50-01-1

PNEC_(fresh water): -
 PNEC = Predicted No Effected Concentration
 LC50_{leuciscus idus/96h}: 1759 mg/L
 LC50_{fish/96h}: [4d] 690-1850; [48h] 1758-2420 mg/L
 EC50_{daphnia/48h}: 70.2 mg/L
 EC10_{pseudomonas putita/16h}: [72h] 11.8-33.5 mg/L
 Water hazard class (DE): 1 WGK No.: 0788
 Storage class (VCI): 12

125 mL VW1

Chemical: *guanidine hydrochloride*

CAS No.: 50-01-1

PNEC_(fresh water): -
 PNEC = Predicted No Effected Concentration
 LC50_{leuciscus idus/96h}: 1759 mg/L
 LC50_{fish/96h}: [4d] 690-1850; [48h] 1758-2420 mg/L
 EC50_{daphnia/48h}: 70.2 mg/L
 EC10_{pseudomonas putita/16h}: [72h] 11.8-33.5 mg/L
 Water hazard class (DE): 1 WGK No.: 0788
 Storage class (VCI): 12

Chemical: *2-propanol*

CAS No.: 67-63-0

PNEC_(fresh water): 140.9 mg/L
 PNEC = Predicted No Effected Concentration
 LC50_{fish/96h}: 1400 mg/L
 EC50_{daphnia/48h}: 13.3 g/L
 IC50_{scenedesmus quadricauda/72h}: >1000 mg/L
 EC10_{pseudomonas putita/16h}: EC5: 1050 mg/L
 Water hazard class (DE): 1 WGK No.: 0135
 Dispersion coefficient_(octanol-water): 0.05
 Storage class (VCI): 3

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50 mL VW2

Chemical: *chemicals/mixture < 1%*
Water hazard class (DE): 1
Storage class (VCI): 12-13

CAS No.: -

13 mL RNase-free H₂O

Chemical: *water*

CAS No.: 7732-18-5

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

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: 1993 14.2 UN proper shipping name: Flammable liquid, n.o.s. (2-propanol mixture)

14.3 Class: 3 14.4 Packing group: III

Road transport

Classification code: F1
Limited Quantity: 5 L
Excepted Quantity: E 1
Tunnel restriction code: E
Special instructions: 640E

Air transport

PAX: 355 max. weight PAX: 60 L
CAO: 366 max. weight CAO: 220 L

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.

Safety Data Sheet

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

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15.2 Chemical safety assessment
 not necessary for these small amounts ---

SECTION 16: Other information

16.1 List of H and P phrases

16.1.1 List of relevant H phrases

- H226 Flammable liquid and vapour.
- H302 Harmful if swallowed.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.

16.1.2 List of relevant P phrases

- P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- P260D Do not breathe vapours.
- P264W Wash with water thoroughly after handling.
- P280sh Wear protective gloves/eye protection.
- P301+312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
- P330 Rinse mouth.

16.2 Training advice

Regular safety training.

16.3 Recommended restriction on use

Only for professional user.
 An individual package of this product or test kit has a moderate hazardous potential.

16.4 Further information

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16.5 Sources of key data

- Regulation 453/2010/EU REACH - REQUIREMENTS FOR THE COMPILATION OF SAFETY DATA SHEETS
- Regulation 487/2013/EU, 4th adaptation of CLP regulation to technical and scientific progress
- Regulation 669/2018/EU, 4th adaptation of CLP regulation to technical and scientific progress
- Regulation 1480/2018/EU, 4th adaptation of CLP regulation to technical and scientific progress
- TRGS 900, German engineering rules governing limits in air at work, updated 03/2019
- SUVA .CH, Limits in air at work 2009, revised on 01.2009
- KÜHN, BIRETT Merkblätter Gefährliche Arbeitsstoffe (Data Sheets of Hazardous Substances)

Revisions/Updates

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

