

# Safety Data Sheet

## SDS acc. Hazard Communication Standard

REF: 740434.50

NucleoSnap Finisher Midi (50)

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Printing Date: 27.02.2020

Date of Issue: 26.09.2018

### Section 1: Identification

#### 1.1 Product Identifier / Product Name

REF	740434.50
Product Name	NucleoSnap Finisher Midi (50)
-	
	1 x 25 mL A4
	1 x 150 mL FB
	1 x 30 mL H <sub>2</sub> O-EF

#### 1.2 Relevant identified Uses of the Substance or Mixture and Uses advised against

**Relevant identified uses**  
Product for Analytical Use.  
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:**  
MACHERY-NAGEL GmbH & Co. KG  
Neumann-Neander-Str. 6-8, 52355 Dueren, GERMANY  
Tel.: +49 2421 969 0

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

#### 1.4 Emergency Telephone Number

Information not necessary.

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

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

### Section 2: Hazard(s) Identification

#### 2.0 Classification of the complete Product

-

#### 2.1 Classification of the Substance(s) or Mixture(s)

##### 25 mL A4

Signal Word	Do not need labelling as hazardous
No Hazard Class	-

##### 150 mL FB

Signal Word	Do not need labelling as hazardous
No Hazard Class	-

##### 30 mL H<sub>2</sub> O-EF

Signal Word	Do not need labelling as hazardous
No Hazard Class	-

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

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**25 mL A4**

Do not need labelling as hazardous  
Signal Word: -

**150 mL FB**

Do not need labelling as hazardous  
Signal Word: -

**30 mL H<sub>2</sub> O-EF**

Do not need labelling as hazardous  
Signal Word: -

**2.3 Other Hazards**

**Possible Hazards from physicochemical Properties**

According to our current status of knowledge and experience we state, that this product does not contain any substances, which - in accordance with GHS directives and EC regulations 1272/2008/EC, 1907/2006/EC for Hazardous goods - have to be declared as dangerous goods, either because of their applied concentration or because of their total amount in anyone kit. An individual package has considerably less hazardous potential. ---

**Information pertaining to particular Risks to Human and possible Symptoms**

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**Information pertaining to particular Risks to the Environment**

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**Other Hazards**

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## Section 3: Composition/Information on Ingredients

**3.1 Substances or 3.2 Mixtures**

**25 mL A4**

Chemical:	<i>chemicals/mixture &lt; 1%</i>	CAS No.:	-
Classification:	No criteria for classification or naming of chemical is not required.		
TSCA Inventory:	all listed, <1%		
Weight Percent:	0,1 - <1 %		
acc. GHS:	The criteria for classification are not fulfilled.		

**150 mL FB**

Chemical:	<i>Brij® 58</i>	CAS No.:	9004-95-9
Classification:	No criteria for classification or naming of chemical is not required.		
Chemical Formula:	HO-(CH <sub>2</sub> CH <sub>2</sub> O) <sub>n</sub> -(CH <sub>2</sub> ) <sub>15</sub> -CH <sub>3</sub>		
Synonyms:	polyoxyethylene-(20)-cetylether		
TSCA Inventory:	listed		
RTECS:	TR1581470	MFCID:	00081419
EC No.:	500-014-1		
Weight Percent:	60 - <100 %		
acc. GHS:	The criteria for classification are not fulfilled.		

**30 mL H<sub>2</sub> O-EF**

Chemical:	<i>water</i>	CAS No.:	7732-18-5
Classification:	No criteria for classification or naming of chemical is not required.		
Chemical Formula:	H <sub>2</sub> O		
TSCA Inventory:	listed		
RTECS:	ZC0110000		
EC No.:	231-791-2		
Weight Percent:	90 - <100 %		
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%.

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### Section 4: First-Aid Measures

#### 4.1 Description of First-Aid Measures

Place insured person out of danger zone to fresh air immediately.

##### 4.1.1 After SKIN Contact

Not necessary.

##### 4.1.2 After EYE Contact

Not necessary.

##### 4.1.3 After INHALATION of Vapors

Not necessary.

##### 4.1.4 After ORAL Intake

Not necessary.

#### 4.2 Most important Symptoms and Effects, both acute and delayed

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#### 4.3 Indication of any immediate Medical Attention and Special Treatment needed

No additionally recommendations. ---

### Section 5: Fire-Fighting Measures

#### 5.1 Extinguishable 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 WATER FOG, WATER SPRAY, alcohol-resistant FOAM, DRY CHEMICAL, CARBON DIOXIDE can be used.

#### 5.2 Special Hazards arising from the Substance or Mixture

None.

#### 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 Procedure

Do not breathe vapors. Not necessary.

#### 6.2 Environmental Precautions

not necessary

#### 6.3 Methods and Material for Containment and Cleaning up

Clean working area with water. Flush used water into sewer.

#### 6.4 Reference to other Sections

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### 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): 10

Water hazard class (DE): 2

##### 7.2.1 Conditions for Safe Storage, including any Incompatibilities

Keep original product packages tightly closed during handling and storage.

#### 7.3 Specific End Use(s)

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Product for analytical use.

### Section 8: Exposure Controls/Personal Protection

#### 8.1 Control Parameters

**25 mL A4**

Chemical: *chemicals/mixture < 1%*

CAS No.: -

**150 mL FB**

Chemical: *Brij® 58*

CAS No.: 9004-95-9

**30 mL H<sub>2</sub> O-EF**

Chemical: *water*

CAS No.: 7732-18-5

#### 8.2 Exposure Controls

Not necessary. Good ventilation and extraction system in the room, floor resistant to chemicals with floor drainage and washing facilities.

##### 8.2.1 Respiratory Protection

Not necessary.

##### 8.2.2 Hand Protection

Not necessary.

##### 8.2.3 Eye/Face Protection

Not necessary.

##### 8.2.4 Skin Protection

Not necessary.

##### 8.2.5 Hygiene Measures

Information not necessary.

### Section 9: Physical and Chemical Properties

#### 9.1 Information on Basic Physical and Chemical Properties

**25 mL A4**

a) Appearance: liquid	Color: colorless	b) Odor: odorless
c) Odor Threshold:	data not available	
d) pH:	7-8	
e) Melting Point:	data not available	
f) Boiling Point:	data not available	
g) Flash Point:	data not available	
h) Evaporation Rate <sub>(ether=1)</sub> :	data not available	
i) Flammability (solid, gas):	data not available	
j) Explosive Limits:	data not available	
k) Vapor Pressure (68°F):	data not available	
l) Vapor Density <sub>(air=1)</sub> :	data not available	
m) Specific Gravity:	1.00 g/cm <sup>3</sup>	
n) Soluble in Water:	data not available	
o) Partition Coefficient (o-w):	data not available	
p) Autoignition Temperature:	data not available	
q) Decomposition temperature:	data not available	
r) Viscosity:	data not available	
s) Explosive properties:	data not available	
t) Oxidizing properties:	---	

**150 mL FB**

a) Appearance: liquid	Color: colorless	b) Odor: odorless
c) Odor Threshold:	data not available	
d) pH:	data not available	
e) Melting Point:	data not available	
f) Boiling Point:	data not available	
g) Flash Point:	data not available	
h) Evaporation Rate <sub>(ether=1)</sub> :	data not available	
i) Flammability (solid, gas):	data not available	
j) Explosive Limits:	data not available	

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k)	Vapor Pressure (68°F):	data not available
l)	Vapor Density <sub>(air=1)</sub> :	data not available
m)	Specific Gravity:	data not available
n)	Soluble in Water:	data not available
o)	Partition Coefficient (o-w):	data not available
p)	Autoignition Temperature:	data not available
q)	Decomposition temperature:	data not available
r)	Viscosity:	data not available
s)	Explosive properties:	data not available
t)	Oxidizing properties:	---

### 30 mL H<sub>2</sub>O-EF

a)	Appearance: liquid	Color: colorless	b) Odor: odorless
c)	Odor Threshold:	data not available	
d)	pH:	6-8	
e)	Melting Point:	data not available	
f)	Boiling Point:	data not available	
g)	Flash Point:	data not available	
h)	Evaporation Rate <sub>(ether=1)</sub> :	data not available	
i)	Flammability (solid, gas):	data not available	
j)	Explosive Limits:	data not available	
k)	Vapor Pressure (68°F):	data not available	
l)	Vapor Density <sub>(air=1)</sub> :	data not available	
m)	Specific Gravity:	1.0 g/cm <sup>3</sup>	
n)	Soluble in Water:	data not available	
o)	Partition Coefficient (o-w):	data not available	
p)	Autoignition Temperature:	data not available	
q)	Decomposition temperature:	data not available	
r)	Viscosity:	data not available	
s)	Explosive properties:	data not available	
t)	Oxidizing properties:	---	

## 9.2 Other Information

Data for the other parameters of the mixtures are not available.

### Relevant Properties of Substance Group

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## Section 10: Stability and Reactivity

### 10.1 Reactivity

None

### 10.2 Chemical Stability

No known instability.

### 10.3 Possibility of Hazardous Reactions

None.

### 10.4 Conditions to avoid

Not known. ---

### 10.5 Incompatible Materials

Not necessary. ---

### 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 chemicals. Quantitative data on the toxicity of this product are not available.

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**25 mL A4**

Chemical: *chemicals/mixture < 1%*  
 TSCA Inventory: *all listed, <1%*

CAS No.: -

**150 mL FB**

Chemical: *Brij® 58*  
 TSCA Inventory: *listed*  
 LD50<sub>orl rat</sub>: *2602 mg/kg*

CAS No.: 9004-95-9

**30 mL H<sub>2</sub> O-EF**

Chemical: *water*  
 TSCA Inventory: *listed*

CAS No.: 7732-18-5

## Section 12: Ecological Information

**12.1 Toxicity**

Following information is valid for pure chemicals.

**25 mL A4**

Chemical: *chemicals/mixture < 1%*

CAS No.: -

**150 mL FB**

Chemical: *Brij® 58*

CAS No.: 9004-95-9

**30 mL H<sub>2</sub> O-EF**

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

Not necessary.

**13.1 Waste Treatment Methods**

GENERAL: Empty solids into municipal waste, empty liquids diluted into drains. Normally it is possible to empty small amounts (diluted!) into drains.

## Section 14: Transport Information

14.1. -14.4. Not necessary

**14.5 Environmental Hazards**

none

**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

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### 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.

MN Leaflet/User manual, also see [www.mn-net.com](http://www.mn-net.com)

#### 15.2 Chemical Safety Assessment

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### Section 16: Other Information

#### 16.1 List of Hazard and Precaution Phrases

##### 16.1.1 List of relevant H Phrases

##### 16.1.2 List of relevant P Phrases

#### 16.2 Training Advice

Regular safety training.

#### 16.3 Recommended Restriction on Use

None

#### 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

GHS: EU Regulation 1272/2008/EC on Classification, Labelling and Packaging of Substances and Mixtures, amending and repealing EU Directives 67/548/EEC and 1999/45/EC, and amending EU Regulation 1907/2006/EC

SDS: EU Regulation 453/2010/EU REACH - Requirements for the Compilation of Safety Data Sheets

KÜHN, BIRETT (German), Data Sheets of Hazardous Substances

##### Revisions/Updates

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

You find our current Versions of SDS in Internet:

<http://www.mn-net.com/SDS> [U.S. English]