ACHEREY-NAGEI



Safety Data Sheet

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

REF: 740967.50	Protein Quantification Assay (50)	Page: 1/9
Printing date: 12.05.2021	Date of issue: 26.02.2019	

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

1.1 **Product identifier**

> REF Product name

740967.50 Protein Quantification Assay (50)

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 1 mg BSA
1 x 7,5 mL PSB
1 x 20 mL QR

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 Valencienner Str. 11, 52355 Düren, GERMANY Tel.: +49 2421 969 0

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

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

SECTION 2: Hazard identification

2.0 Classification of the complete product

	GHS07
Signal word	WARNING
Hazard identification	Hazard classes/categories
H290	Met. Corr. 1
H315	Skin Irrit. 2
H319	Eye Irrit. 2
H335	STOT SE 3

2.1 Classification of the substance or mixture

1 mg BSA

Do not need labelling as hazardous

No hazard class

Signal word

ACHEREY-NAGE (MN> ISO 9001 CERTIFIEI

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STOT SE 3

Date of issue: 26.02.2019	
Do not need labelling as hazardous -	
\Diamond	
GHS07	
WARNING	
Hazard classes/categories	
Met. Corr. 1 Skip Irrit 2	
Eye Irrit. 2	
	GHS07 WARNING Hazard classes/categories Met. Corr. 1 Skin Irrit. 2

2.2 Label elements

H335

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 must not be labelled with H and P phrases until 125 mL (EU 1272/2008 Annex I - 1.5.2). Metal corrosive solutions do not have to be labelled with GHS symbol, signal word, H and P phrases until 125 mL (EU 1272/2008 Annex I - 1.5.2.1.3).

1 mg BSA

Do not need labelling as hazardous Signal word: -

7,5 mL PSB

Do not need labelling as hazardous Signal word: -

20 mL QR



Signal word: WARNING

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. ---Information pertaining to particular risks to human and possible symptoms

Cause after inhalation of vapours/dust, impairments of health when ingested in small quantities. ---

Information pertaining to particular risks to the environment

Other hazards

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

	0967.50 date: 12.05.20	121	Date of issue: 2	cation Assay (50) 6 02 2019	Page: 3
			ormation on ingred		
		•	•	ients	
5.1		es or 3.2 Mixture	es		
	1 mg B		nin bovine		CAS No.: 9048-46-8
		Classification:	No criteria for classification or namin	a of chemical not required	CAS No.: 3040-40-0
		TSCA Inventory:	listed	g of chemical not required.	
		EC No.:	292-322-5		
		KE No.:	KE-05-0011		
		Concentration: acc. CLP (GHS):	90 - <100 % The criteria for classification are not	fulfilled.	
	7,5 mL				040 No. 454 04 0
		Chemical: dodec Classification:	cyl sulfate, sodium salt	ute Tox 1 oral H315 Skip Ir	CAS No.: 151-21-3 rit. 2, H318, Eye Dam. 1, H332, Acute
			TOT SE 3, H412, Aquatic Chro		ni. 2, 11010, Lyc Dam. 1, 11002, Addie
		Formula:	C ₁₂ H ₂₅ NaO ₄ S		
		Pseudonym:	sodium lauryl sulfate, sulfuric	acid monododecyl ester sodi	um salt
		TSCA Inventory:	listed		
		REACH Reg. No.: EC No.:	01-2119489461-32-xxxx 205-788-1		
		RTECS:	WT1050000	MFCD:	00036175
		KE No.:	KE-21884		
		Concentration:	1 - <2.5 %		
		acc. CLP (GHS):	The criteria for classification are not	fulfilled.	
		Chemical: glycer	role		CAS No.: 56-81-5
		Classification:	No criteria for classification or namin	g of chemical not required.	
		Formula: Pseudonym:	C ₃ H ₈ O ₃ 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: KE No.:	MA8050000	MFCD:	00004722
		Concentration:	KE-29297 10 - <50 %		
		acc. CLP (GHS):	The criteria for classification are not	fulfilled.	
		Chemical: indica	tor dye(s)		CAS No.: -
		Classification:	No criteria for classification or namin	a of chemical not required	CAS 110
		TSCA Inventory:	all listed, <1%	g of chemical not required.	
		Concentration:	0.01 - <0.1 %		
		acc. CLP (GHS):	The criteria for classification are not	fulfilled.	
	20 mL (OR			
			chloric acid		CAS No.: 7647-01-0
		Classification:		in Corr. 1B, H331, Acute Tox.	. 3 inh.
		Formula:	HCI•H ₂ O		
		Pseudonym: TSCA Inventory:	aqueous hydrogen chloride listed		
		REACH Reg. No.:	01-2119484862-27-xxxx		
		EC No.:	231-595-7	Indice No .:	017-002-01-X
		RTECS:	MW4025000		
		KE No.:	KE-20189, >10% Toxic 97-1-	203, Acc. Precaution Chem.	
		Concentration: acc. CLP (GHS):	10 - <25 % H290, Met. Corr. 1, H315, Sk	in Irrit. 2. H319. Eve Irrit 2 H	335. STOT SE 3
		Chemical: chemical: Classification:	icals/mixture < 1%	a of shaming the track of the	CAS No.: -
		TSCA Inventory:	No criteria for classification or namin all listed, <1%	g of chemical not required.	
		KE No.:	listed		
		Concentration:	0.1 - <1 %		
		acc. CLP (GHS):	The criteria for classification are not	fulfilled.	



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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.

E-mail: sales-fr@mn-net.com

5.2 Special hazards arising from the substance or mixture 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

--

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.

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7.2	Conditions for safe storage, incluent The original product package of MACHERE Storage class (VCI): Water hazard class (DE):		
.2.1	Requirements for stock rooms and c Keep original product packages tightly		
7.3	Specific end use(s) Product for analytical use.		
SECT	ION 8: Exposure controls/pe	rsonal protection	
8.1	Control parameters		
	1 mg BSA Chemical: albumin bovine	CAS No.: 9048-46-8	
	7,5 mL PSB Chemical: dodecyl sulfate, sodium : NIOSH: not listed [TWA] Time-weighted average to a refe		
	OSHA: not listed		
	Chemical: <i>glycerole</i> DNEL: [inh] 56 n DNEL = Derived No-Effect Level (for wo		
	PNEC _(fresh water) : 0.885 mg PNEC = Predicted No Effected Concent	tration	
	TRGS 900 (DE): 200 E mg E/e respira		
	Short-term exposure factor: 2 (I), Y skin resorptive (H), respiratory sensitiz SUVA(CH) MAK value: 50 e* mg	table (Sa), skin sensitizable (Sh), teratogenic (Z) not securely excluded / (Y) certainly excl $/m^3$	luded
	Chemical: <i>indicator dye(s)</i>	CAS No.: -	
	20 mL QR Chemical: <i>hydrochloric acid</i> DNEL: [inh] 8 mg DNEL = Derived No-Effect Level (for wo	g/m ³ orkers)	
	PNEC _(fresh water) : 36 µg/L PNEC = Predicted No Effected Concern		
	TRGS 900 (DE): 2 mL/m³ , E/e respira	/ 3 mg/m³	
	SUVA(CH) MAK value: 2 ppm / 3		luded
	[TWA] Time-weighted average to a refe	n / 7 mg/m³ rence period of 8 hours, [STEL] Short-term exposure limit related to a 15-minute period ghly hazardous chemicals, toxics and reactives Yes (TQ = 5000 lbs) n/a	; TWA 5 ppm / 7
	Chemical: <i>chemicals/mixture</i> < 1%	CAS No.: -	
8.2	Exposure controls Good ventilation and extraction system in th level of cleanliness must be maintained at tl	ne room, floor resistant to chemicals with floor drainage and washing fac he workplace.	cilities. The highest
3.2.1	Respiratory protection No additional recommendations.		
8.2.2		ation time >30 min - level 2), consist of PVC, natural latex, Neopren, or I resistant latex gloves with code EN 374-3 level 1.	Nitril (f.ex. from Ansell
			www.mn-net.



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8.2.3 Eye protection

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

Colour: colourless

0-1

1.10 g/cm3

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

Information on basic physical and chemical properties 9.1

1 mg BSA Appearance: solid (lyoph.) Colour: white pH: 6.5-7.5 7,5 mL PSB Appearance: liquid Colour: green 6.5-7 pH: Specific gravity: 1.06 g/cm³

Odor: penetrative

Odor: odorless

Odor: odorless

pH: Specific gravity:

20 mL QR Appearance: liquid

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 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.

1 mg BSA

Chemical: albumin bovine **TSCA** Inventory: listed Korea Exist.Chem.Inventory: KE-05-0011 CAS No.: 9048-46-8

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7.5 mL PSB CAS No::151:21:3 SGA Inventory PTRT: - Casa I Designated Chemical Proposition 65 List: not listed appendix the compared chemical Statustance, Japan PGSCL: not listed appendix to the compared chemical Statustance, Japan PGSCL: not listed south Known CGCA: more than the compared chemical Statustance, Japan PGSCL: not listed south Known CGCA: more than the compared chemical Statustance, Japan PGSCL: not listed south Known CGCA: more than the compared chemical Statustance, Japan PGSCL: not listed south Known CGCA: more than the compared chemical Statustance, Japan PGSCL: not listed south Known CGCA: more than the compared chemical Statustance, Japan PGSCL: not listed appendix the compared chemical Statustance, Japan PGSCL: not listed appendix the compared chemical Statustance, Vomiling; Kidney Injury Japan CSCL/PRTP: more than the compared chemical Statustance, Vomiling; Kidney Injury Japan CSCL/PRTP: more than the compared chemical Statustance, Vomiling; Kidney Injury Japan CSCL/PRTP: more than the compared chemical Statustance, Vomiling; Kidney Injury Japan CSCL/PRTP: more than the compared chemical Statustance, Vomiling; Kidney Injury Japan CSCL/PRTP: more than the compared chemical Statustance, Vomiling; Kidney Injury Japan CSCL/PRTP: more than the compared chemical Statustance, Vomiling; Kidney Injury Japan CSCL/PRTP: more than the compared chemical Statustance, Vomiling; Kidney Injury Japan CSCL/PRTP: more than the compared chemical Statustance, Vomiling; Kidney Injury Japan CSCL/PRTP: more than the compared chemical Statustance, Vomiling; Kidney Injury Japan CSCL/PRTP: more than the compared chemical Statustance, Vomiling; Kidney Injury Japan CSCL/PRTP: more than the compared chemical Statustance, Vomiling; Kidney Injury Japan CSCL/PRTP: more than the compared chemical Statustance, Vomiling; Kidney Injury Japan CSCL PRTP: more than the compared chemical Statustance, Vomiling; Kidney Injury Statustance, T	REF: 74096 Printing date	7.50 e: 12.05.2021		antification Assay (50) sue: 26.02.2019	Page: 7/
Chemical: constrained constrai					
TSCA Inventory: isted (12.3-Propanetio) Exposure Routles: inhalation, sith and/or eya contact Target Organs: Eyes, sith, respiratory system, kidneys: Symptoms: initiation eyes, sith, respiratory system, kidneys: Symptoms: initiation eyes, sith, respiratory system, kidneys: More Exist: 12.6 g/kg L950um rat: >18.7 g/kg TRGS 906 (DE): R; C Chemical: indicator dya(s) CAS No::- TSCA Inventory: 182.4 Inventory: all isted, <1%		Chemical: TSCA Inventory: Australia NICNAS: Japan CSCL/PRTR: Japan ISHL: South Korea TCCA: Korea Exist.Chem.In LD50 _{orl rat} : LC50 _{inh rat} :	listed Cal not listed PRTR - Class I Designate not listed not listed ventory: KE-21884 1288 mg/kg 3900 _{1h} mg/m ³	ifornia Proposition 65 List: not liste Canada CEPA 1999: DSL yes	d
LD50 _{dmm.nt} : >18.7 g/kg TRGS 906 (DE): R: C Chemical: indicator dye(s). CAS No.: - TSCA Inventory: all listed, <1% Chemical: hydrochloric acid Chemical: indicator dye(s). CAS No.: - TSCA Inventory: listed Exposure Routes: inhalation, ingestion California Proposition 65 List. not listed Exposure Routes: inhalation, ingestion (solution), skin and/or eye contact Target Organs: Eyes, skin, respiratory system Symptoms: initiation nose, throat, laynx; cough, choking: dermatitis; solution: eye, skin burns; liquid: frostb animals: layngeal spasm; pulmonary ede Australia NICNAS: not listed Japan CSCL/PRTR: not listed Japan CSCL/PRTR: not listed South Korea TCCL: McCacient Precaution Chemical Yes Korea Exist.Chem.Inventory: KE-20109, Yok Toxis 71-200, Acc. Precaution Chem. LD50ern nt: S00 mp/kg LC50ern nt: S00 mp/kg Auste Effects: Cause after inhalation of vapours/dust, impairments of health when ingested in small quantities. Chemical: chemicals/mixture <1% CAS No.: - TSCA Inventory: mail listed, 21% Korea Exist.Chem.Inventory: Isled SECETION 12: Ecological information 13.1 Toxicity Targe BA Chemical: aburnin bovine CAS No.: 9048-46-8 7.5 mL PSB Chemical: aburnin bovine CAS No.: 9048-46-8 7.5 mL PSB Chemical: aburnin bovine CAS No.: 9048-46-8 7.5 mL PSB Chemical: aburnin bovine CAS No.: 151-21-3 LC50/ingview: 1.317-225 mg/L LC50/ingview: 1.317-225 mg/L LC50/ingview: 1.317-225 mg/L McCHEREY-NAGEL GmbH & Co. KG - Neumann-Neander-Str. 6-8 - 52355 Diren - Germary De/Intermational: CH: FR: US: MCCHEREY-NAGEL GmbH & Co. KG - Neumann-Neander-Str. 6-8 - 52355 Diren - Germary De/Intermational: CH: FR: US: TH: +432421989-0 TE: +41223885500 TE: +33388882268 TE: +14848210984		TSCA Inventory: Exposure Routes: Target Organs: Symptoms: Japan CSCL/PRTR: Japan ISHL: Korea Exist.Chem.In	listed (1,2,3-Propanetriol) inhalation, skin and/or eye Eyes, skin, respiratory sys irritation eyes, skin, respir- not listed, Japan PDSCL: not listed ventory: KE-29297	e contact stem, kidneys atory system; headache, nausea, v	
Chemical: indicator dye(s) CAS No.:- SCA Inventory: all listed, <1%					
TSCA Inventory: alf listed, <1%		TRGS 905 (DE):	R _F C		
Chemical: hydrochloric acid California Proposition 65 List: not listed Exposure Routes: listed listed california Proposition 65 List: not listed Exposure Routes: listed listed list: not listed list listed list listed list: not listed listed list listed list listed listed list listed listed list listed listed listed listed list listed listed list listed liste				C	CAS No.: -
TSCA Inventory: listed California Proposition 65 List: not listed Exposure Routes: initiation, ingestinory system Symptoms: irritation nose, throat, larynx; cough, choking; dermatitis; solution: eye, skin burns; liquid: frostbi animals: laryngeal spasm; pulmorary ede Australia NICNAS: not listed Canada CEPA 1999: DSL Yes Japan CSCL/PRTR: not listed Canada CEPA 1999: DSL Yes Japan CSCL/Common CSCL/PRTR: not listed Canada CEPA 1999: DSL Yes Japan CSCL/PRTR: not listed Canada CEPA 1999: DSL Yes Japan CSCL/Partr: not mised, apan PDSCL: Deleterious Substance Japan CSCL/Common Accide Tercaution Chemical Yes Korea Exist.Chem.Inventory: KE20189, >10% Toxic 97-1-203, Acc. Precaution Chem. LD50out rat: 900 mg/kg Acute Effects: Cause after inhalation of vapours/dust, impairments of health when ingested in small quantities. Chemical: chemicals/init/ure < 1%	2	0 mL QR			
TSCA Inventory: all listed, <1%		TSCA Inventory: Exposure Routes: Target Organs: Symptoms: animals: laryngeal sp Australia NICNAS: Japan CSCL/PRTR: Japan ISHL: South Korea TCCA: Korea Exist.Chem.In LD50 _{orl rat} : LC50drm rbt :	listed Cal inhalation, ingestion (solut Eyes, skin, respiratory sys irritation nose, throat, lary pasm; pulmonary ede not listed not listed, Japan PDSCL: listed ≥0,2%/≥0,1%, Article Accident Precaution Chen ventory: KE-20189, >10% Toxic 97 900 mg/kg >5010 mg/kg	ifornia Proposition 65 List: not lister tion), skin and/or eye contact stem nx; cough, choking; dermatitis; solu Canada CEPA 1999: DSL Yes Deleterious Substance e 57-2 (SDS required) nical Yes '-1-203, Acc. Precaution Chem.	d ıtion: eye, skin burns; liquid: frostbite; in s
SECTION 12: Ecological information 5.1 Dispersion coefficient (octanol-water): 1.6 Storage class (VCI): 12-13 CAS No.: 9048-46-8 CAS No.: 9048-46-8 7,5 mL PSB Chemical: dodecyl sulfate, sodium salt LC50diaphnia magna/48h: 6.3 mg/L LC50diaphnia magna/48h: 6.3 mg/L LC50diaphnia magna/48h: 13-22.5 mg/L Water hazard class (DE): 2 Dispersion coefficient (octanol-water): 1.6 Storage class (VCI): 12-13 CAS No.: 151-21-3 WWW.7 MACHEREY-NAGEL GmbH & Co. KG · Neumann-Neander-Str. 6-8 · 52355 Düren · Germany DE/international: CH: FR: US: Tei: +49 24 21 969-0 Tei: +41 62 388 55 00 Tei: +33 388 68 22 68 Tei: +1484 821 0984		TSCA Inventory:	all listed, <1%	C	CAS No.: -
7,5 mL PSB Chemical: dodecyl sulfate, sodium salt CAS No.: 151-21-3 LC50daphnia magna/48h : 6.3 mg/L LC50fish/96h : 1.31-22.5 mg/L Water hazard class (DE): 2 Dispersion coefficient(octanol-water) : 1.6 Storage class (VCI): 12-13 Www.r MACHEREY-NAGEL GmbH & Co. KG · Neumann-Neander-Str. 6–8 · 52355 Düren · Germany WS: DE/international: CH: FR: US: Tel.: +49 24 21 969-0 Tel.: +41 62 388 55 00 Tel.: +33 388 68 22 68 Tel.: +1 484 821 0984	12.1 T	oxicity ollowing information is			
Chemical: dodecyl sulfate, sodium salt CAS No.: 151-21-3 LC50daphnia magna/48h 6.3 mg/L LC50dish/96h 1.31-22.5 mg/L Water hazard class (DE): 2 Dispersion coefficient(octanol-water): 1.6 Storage class (VCI): 12-13 MACHEREY-NAGEL GmbH & Co. KG · Neumann-Neander-Str. 6–8 · 52355 Düren · Germany Www.r DE/international: CH: FR: US: Tel.: +49 24 21 969-0 Tel.: +41 62 388 55 00 Tel.: +33 388 68 22 68 Tel.: +1 484 821 0984		Chemical:	albumin bovine		CAS No.: 9048-46-8
MACHEREY-NAGEL GmbH & Co. KG · Neumann-Neander-Str. 6–8 · 52355 Düren · Germany DE/international: CH: FR: US: Tel.: +49 24 21 969-0 Tel.: +41 62 388 55 00 Tel.: +33 388 68 22 68 Tel.: +1 484 821 0984		Chemical: LC50 _{daphnia} mag LC50 _{fish/96h} : Water hazard cla Dispersion coeff	na/48h : 6.3 mg/L 1.31-22.5 mg/ ass (DE): 2 icient _(octanol-water) : 1.6	L	
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### Fax: +49 24 21 969-199 Fax: +41 62 388 55 05 Fax: +33 388 51 76 88 Fax: +1 484 821 1272	DE/interna Tel.: +4	ational: 9 24 21 969-0	CH: Tel.: +41 62 388 55 00	FR: Tel.: +33 388 68 22 68	Tel.: +1 484 821 0984



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

	50	Protein Quantification Assay (50)	Page: 8/9
Printing date:	12.05.2021	Date of issue: 26.02.2019	
	Chemical: glycerole PNEC _(fresh water) : PNEC = Predicted No Effected Concentra	0.885 mg/L ation	CAS No.: 56-81-5
	LC50fish/96h : EC50daphnia/48h : IC50scenedesmus quadricauda/72h : EC10pseudomonas putita/16h : Water hazard class (DE):	>5000 _{24h} mg/L >10 _{24h} g/L IC5 _{7d} >10 g/L EC5: >10 g/L 0	
	Dispersion coefficient _{(octanol-water} Storage class (VCI):	r): -1.76 10	
	Chemical: <i>indicator dy</i> Storage class (VCI):	/e(s) 12-13	CAS No.: -
	20 mL QR		
	Chemical: hydrochlori PNEC(fresh water): PNEC = Predicted No Effected Concentra	36 μg/L	CAS No.: 7647-01-0
	LC50fish/96h : EC50daphnia/48h : EC50pseudokirchneriella subcapitata/72 Water hazard class (DE):	24.6 mg/L 0.492 mg/L _{2h} : 0.78 mg/L 1 WGK No.: 0238	
	Storage class (VCI):	8 B	
	Chemical: chemicals// Water hazard class (DE): Storage class (VCI):	mixture < 1% 1 12-13	CAS No.: -
	rsistence and degradability necessary		
	Daccumulative potential		
	bility in soil necessary		
	sults of PBT and vPvB asses data available	sment	
2.6 Ot	her adverse effects additional data available		

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 - 14.4: No dangerous goods according the transport regulations

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



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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 H290 May be corrosive to metals.

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.

List of relevant P phrases 16.1.2

1.4		
	P261sh	Avoid breathing dust/vapours.
	P280sh	Wear protective gloves/eye protection.
	P390	Absorb spillage to prevent material damage.
	P403+233	Store in a well-ventilated place. Keep container tightly closed.

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

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 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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