MACHEREY-NAGEL



Safety Data Sheet

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

REF: 985859	NANOCOLOR Methanol 15	Page: 1/9
Printing date: 01.10.2019	Date of issue: 26.09.2018	

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

	Product identifier	
	REF Product name	985859 NANOCOLOR Methanol 15
	-	r(s): see SECTION 3.1/3.2 or the substance(s) does not exist because the annual tonnage does not require registration or excluded from registration.
		23 x 9 mg Methanol R0, lyophilizied (R0) 1 x 90 mL Methanol R1
		1 x 6 mL Methanol R2 1 x 10 mL Methanol R3
1.2		of the substance or mixture and uses advised against
		lassification according REACh, RIP 3.2 Codes: SU 0-2, PC 21, PROC 15, AC 0 io 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 Neumann-Neander-Str. 6-8, Tel.: +49 2421 969 0	
1.4	Emergency telephone nu Information not necessary.	Imber
1.4	u u .	
	Information not necessary.	S (22 languages) in Internet: http://www.mn-net.com/SDS
SECI	Information not necessary. You find our current versions of SDS	S (22 languages) in Internet: http://www.mn-net.com/SDS
SECI	Information not necessary. You find our current versions of SDS	S (22 languages) in Internet: http://www.mn-net.com/SDS
1.4 SEC1 2.0	Information not necessary. You find our current versions of SDS TION 2: Hazard identific Classification of the com	S (22 languages) in Internet: http://www.mn-net.com/SDS
SEC1 2.0	Information not necessary. You find our current versions of SDS TION 2: Hazard identific Classification of the com Hazard identification	s (22 languages) in Internet: http://www.mn-net.com/SDS cation plete product - Hazard classes/categories Met. Corr. 1
SEC1 2.0	Information not necessary. You find our current versions of SDS TION 2: Hazard identific Classification of the com Hazard identification H290	s (22 languages) in Internet: http://www.mn-net.com/SDS ation plete product - Hazard classes/categories Met. Corr. 1 stance or mixture
SEC1 2.0	Information not necessary. You find our current versions of SDS TION 2: Hazard identific Classification of the com <u>Hazard identification</u> H290 Classification of the subs	s (22 languages) in Internet: http://www.mn-net.com/SDS ation plete product - Hazard classes/categories Met. Corr. 1 stance or mixture
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SEC1 2.0	Information not necessary. You find our current versions of SDS TION 2: Hazard identific Classification of the com <u>Hazard identification</u> <u>H290</u> Classification of the subs 9 mg Methanol R0, lyophili Signal word No hazard class	s (22 languages) in Internet: http://www.mn-net.com/SDS ation plete product - Hazard classes/categories Met. Corr. 1 stance or mixture zied (R0)

MACHEREY-NAGE **(MN)** ISO 9001 CERTIFIED

MACHEREY-NAGEL GmbH & Co. KG · Neumann-Neander-Str. 6-8 · 52355 Düren · Germany US: DE/international: CH: FR: Tel.: +41 62 388 55 00 Fax: +41 62 388 55 05 Tel.: +49 24 21 969-0 Tel.: +33 388 68 22 68 Tel.: +1 484 821 0984 +49 24 21 969-0 +49 24 21 969-199 il: info@mn-net.com Fax: +33 388 51 76 88 Fax: Fax: +1 484 821 1272 Version: M V 4.10.1 E-mail: info@mn-net.com E-mail: sales-ch@mn-net.com E-mail: sales-fr@mn-net.com E-mail: sales-us@mn-net.com



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

REF: 985859	NANOCOLOR Methanol 15	Page: 2/
Printing date: 01.10.2019	Date of issue: 26.09.2018	
6 mL Methanol R2		
	Do not need labelling as hazardous	
Signal word	-	
No hazard class		
10 mL Methanol R3		
	Do not need labelling as hazardous	
Signal word	-	
Hazard identification	Hazard classes/categories	
H290	Met. Corr. 1	

2.2 Label elements

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).

9 mg Methanol R0, lyophilizied (R0)

Do not need labelling as hazardous Signal word: -

90 mL Methanol R1

Do not need labelling as hazardous Signal word: -

6 mL Methanol R2

Do not need labelling as hazardous Signal word: -

10 mL Methanol R3

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 EC regulations 1272/2008/EC, 1907/2006/EC and German Regulations 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. The sentence H290 "May be corrosive to metals." has only relevance for longer transportation time of larger amounts. The labelling GHS05 would be creating an "OVERLABELLING" (see GHS Directive 1272/2008/EC Annex I, chapter 1.5.2.1.3.). ---

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

Information pertaining to particular risks to human and possible symptoms

Information pertaining to particular risks to the environment

Other hazards

SECTION 3: Composition/information on ingredients

3.1 Substances or 3.2 Mixtures

9 mg Methanol R0, lyophilizied (R0)



Version: M V 4.10.1 E-mail: info@mn-net.com

MACHEREY-NAGEL GmbH & Co. KG · Neumann-Neander-Str. 6-8 · 52355 Düren · Germany DE/international: CH: FR: Tel.: +49 24 21 969-0 Tel.: +41 62 388 55 00 Tel.: +33 388 68 22 68 Fax: +49 24 21 969-199 Fax: +41 62 388 55 05 Fax: +33 388 51 76 88

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

US: Tel.: +1 484 821 0984 Fax: +1 484 821 1272 E-mail: sales-us@mn-net.com



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

Chemical: peroxidase CAS No.: 9003-99-0 Classification: No criterator protecting or naming of chemical not required. Formula: Enzyme Comm. No. 11.11.7.origin: horsenadan TSCA Inventory: listed EX No.: 222.688-6 MFCD: 00071339 Concentration: <1.00 % acc. CLP (CHS): The criterator of institucation or naming of chemical not required. Classification: No criterator of institucation or naming of chemical not required. Concentration: 10 - 100 % acc. CLP (CHS): The often ator oftenation or naming of chemical not required. Concentration: 10 - 100 % acc. CLP (CHS): The oftenator of classification or naming of chemical not required. Formula: CL H11 NO3 Pseudonym: Torrelation (2 zamino-2 (hydroxymethy))-1,3-propanediol TSA Inventory: listed Concentration: 1 - 3 % acc. CLP (GHS): The orites for classification or naming of chemical not required. Formula: C + 10 N3 Concentration: 1 - 3 % acc. CLP (GHS): The orites for classification or naming of chemical not required. For	F: 985859 Iting date: 01 10 2019	NANOCOLOR Meth Date of issue: 26.09			Page: 3
Classification: No offering or classification or naming of chemical not required. Formula: EX.Nov. 10.11.1.7.orgn:::normadain TSCA. Inventory: listed E.O.No: 23.2468-6 M.CD: 00071339 Concentration: <1.00 % a.e. C.LP (CHS): The criteria for classification are not fulfited. Classification: No criteria for classification or naming of chemical not required. TSCA. Inventory: listed M.CD: 00081310 Concentration: 10 - <100 % a.C. C.D (CHS): The criteria for classification or naming of chemical not required. Formula: C.4 Fit NO3 Peaudory: No criteria for classification or naming of chemical not required. Formula: C.4 Fit NO3 Peaudory: No criteria for classification or naming of chemical not required. Formula: C.4 Fit NO3 Peaudory: No criteria for classification or naming of chemical not required. Formula: C.4 Fit NO3 Peaudory: No criteria for classification are not fulfiled. COncentration: 1 3 % acc: CLP (HSP): The oriteria for classification are	ung date. 01.10.2019	Date of issue. 20.09	2010		
Formula: Enzyme Comm. No. 1.11.1.7_origin: horseradatin TSCA Inventory: Isted EC No.: 232-668-6 MFCD: 00071339 Concentration: 4,00 % acc. CLP (GHS): The criteria or classification are not fulfilled. Chemical: <i>adjuite acid, sodium salt</i> CAS No: 9005-38-3 Classification: No criteria for classification or naming of chemical not nequired. TSCA Inventory: Isted MFCD: 00081310 Concentration: 10 - 100 % acc. CLP (GHS): The criteria for classification or naming of chemical not nequired. Formula: No criteria for classification or naming of chemical not nequired. CAS No:: 77-86-1 Classification: No criteria for classification or naming of chemical not nequired. CAS No:: 77-86-1 Pseudonym: Trometamol, 2-armino-2-(hydroxymethyl)-1,3-propanediol TSCA Inventory: Isted REACH Reg. No: 01-2110987659-16-0014 EC No:: CAS No:: 54827-17-7 Classification: No criteria for classification or naming of chemical not nequired. Formula: CAS No:: 54827-17-7 Classification: No criteria for classification or naming of chemical not nequired. Formula: CAS No:: 54827-17-7 Classifi	Chemical: peroxi	dase		CAS No.: 9003-99-0	
Formula: Enzyme Comm. No. 1.11.1.7.orgin: horseradian TSCA Inventory: Isted EC No.: 232-686-6 MFCD: 00071339 Concentration: : 1.00 % acc. CLP (GHS): The criteria for classification are not fulfilled. Chemical: <i>alginic acid, sodium salt</i> CAS No: 9005-38-3 00081310 Concentration: 10 - 100 % 00081310 00081310 Concentration: 10 - 100 % 00081310 00081310 Concentration: 10 - 100 % 00081310 00081310 Concentration: No criteria for classification or naming of chemical not required. Formula: CAS No: 77-86-1 Classification: No criteria for classification or naming of chemical not required. Formula: CAS No: 77-86-1 Classification: No criteria for classification or naming of chemical not required. Formula: CAS No: 77-86-1 Classification: No criteria for classification or naming of chemical not required. Formula: CAS No: 77-86-1 Classification: No criteria for classification or naming of chemical not required. Formula: CAS No: 54827-17-7 Classification: No criteria for classification or naming of chemical not required.			emical not required.		
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acc. CLP (GHS): The criteria for classification are not fulfilled. Chemical: alignic acid, sodium salt CAS No. : 9005-38-3 Classification: No criteria for classification or anning of chemical not required. TSCA Inventory: listed MFCD: 00081310 Concentration: 10 - <100 % acc. CLP (GHS): The criteria for classification are not fulfilled. 90 mL Methanol R1 Classification: No criteria for classification or naming of chemical not required. Formula: trisfnydroxymethyl)aminomethane CAS No. : 77-86-1 Classification: No criteria for classification or naming of chemical not required. Formula: trisfnydroxymethyl)aminomethane CAS No. : 77-86-1 Classification: No criteria for classification or naming of chemical not required. Formula: trisfnydroxymethyl)aminomethane CAS No. : 77-86-1 Classification: No criteria for classification are not fulfilled. ECNO: KEF 001 0.2 - 010967959-18-0014 ECNO: KEF 001 0.2 - 010967959-18-0014 ECNO: KEF 001 0.0 MFCD: 000004679 KE No: KEF 001 0.0 MFCD: 000004679 KE No: KEF 001 0.0 MFCD: 000004679 KE No: KEF 001 0.0 Science in for classification or naming of chemical not required. Formula: No criteria for classification or naming of chemical not required. Formula: No criteria for classification or naming of chemical not required. Formula: Cas Hav N2 Pseudonym: 3,3 :5,5-tetramethyl-[1,1-biphenyl]-4,4-diamine TSCA Inventory: listed EC No: 259-364-6 CTSC: DV2300000 MFCD: 00007778 Concentration: 41,00 % acc. CLP (GHS): The criteria for classification are not fulfilled. Chemical: dimethyl sulfoxide CAS No: :67-68-5 Classification: No criteria for classification are not fulfilled. Chemical: dimethyl sulfoxide CAS No: :67-68-5 Classification: No criteria for classification are not fulfilled. EC No: 200-604-3 RTECS: PV6210000 MFCD: 000002089 KE No: KE No: KE 232367 Concentration: No criteria for classification are not fulfilled. 10 mL Methanol R3 Chemical: hydrochroinc acid Chemical: hydrochroinc acid Chemical: hydrochroinc acid Chemical: hydrochroinc acid Chemic	EC No.:	232-668-6	MFCD:	00071339	
Chemical: alginic acid, sodium salt Classification: No criteria for classification or naming of hemical not required. TSCA Inventory: listed OO081310 OO0004679 KE No.: r7-86-1 Classification: No criteria for classification or naming of chemical not required. Formula: Crite Hor No: Classification: No criteria for classification are not fulfilled. Chemical: tetramethylbenzidine Chemical: crite tetramethylbenzidine Chemical: criteria for classification or naming of chemical not required. Chemical: criteria for classification are not fulfilled. Chemical: criteria for classification or naming of chemical not required. Chemical: criteria for classification or naming of chemical not required. Chemical: criteria for classification or naming of chemical not required. Chemical: criteria for classification or naming of chemical not required. Chemical: criteria for classification or naming of chemical not required. Chemical: criteria for classification ore	Concentration:	< 1,00 %			
Classification: No criteria for classification or naming of chemical not required. 00081310 Sign acc. CLP (GHS): The criteria for classification are not fulfilled. 00081310 90 mL Methanol R1 Chemical: trisflydroxymethyl/jaminomethane CAS No:: 77-86-1 Classification: No criteria for classification or naming of chemical not required. CAS No:: 77-86-1 Classification: No criteria for classification or naming of chemical not required. CAS No:: 77-86-1 Classification: No criteria for classification or naming of chemical not required. CAS No:: 77-86-1 Pseudonym: Trometamol, 2-amino-2-(hydroxymethyl)-1,3-propanediol TSCA Inventory: IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	acc. CLP (GHS):	The criteria for classification are not fulfille	i.		
TSCA Inventory: listed MFCD: 00081310 Concentration: 10 - <100 %		acid, sodium salt		CAS No.: 9005-38-3	
Concentration: 10 - <100 % acc. CLP (GHS): The criteria for classification are not fulfilled. 90 mL Methanol R1 Chemical: tri/shydroxymethyl/aminomethane CAS No.: 77-86-1 Classification: No criteria for classification or naming of chemical not required. Formula: C 4H1; NO 3 Pseudonym: Trometamol, 2-amino-2-(hydroxymethyl)-1,3-propanediol TSCA Inventory: listed REACH Reg. No.: 01-2119957659-16-0014 EC No : 201-064-4 RTECS: TY2900000 MFCD: 00004679 KE No : KE-01403 Concentration: 1 - <3 % acc. CLP (GHS): The criteria for classification are not fuffilled. 6 mL Methanol R2 Chemical: tetramethyl/benzidine CAS No.: 54827-17-7 Classification: No criteria for classification or naming of chemical not required. Formula: C : EF Pa No Pseudonym: 3,3;5,5-tetramethyl-[1,1'-biphenyl]-4,4'-diamine TSCA Inventory: listed EC No: 259-364-6 RTECS: DV2300000 MFCD: 00007778 Concentration: <1,00 % acc. CLP (GHS): The criteria for classification are not fulfilled. Chemical: tetramethyl sulfoxide CAS No.: 67-68-5 Classification: No criteria for classification are not fulfilled. Chemical: dimethyl sulfoxide CAS No.: 67-68-5 Classification: No criteria for classification are not fulfilled. Chemical: dimethyl sulfoxide CAS No.: 67-68-5 Classification: No criteria for classification are not fulfilled. Chemical: dimethyl sulfoxide CAS No.: 67-68-5 Classification: No criteria for classification are not fulfilled. CAS No.: 67-68-5 Classification: No criteria for classification are not fulfilled. Chemical: dimethyl sulfoxide CAS No.: 67-68-5 Classification: No criteria for classification are not fulfilled. TSCA Inventory: listed REACH Reg. No: 10-2119431362-50-xxxx EC No: CAS No:: 7647-01-0 Classification: H200, Met. Corr. 1, H314, Skin Corr. 1B, H331, Accute Tox. 3 inh. Formula: HCH4 ₂ O Pseudonym: aqueous hydrogen chloride TSCA Inventory: listed REACH Reg. No: 01-2119484882-27-xxxx					
acc. CLP (GHS): The criteria for classification are not fulfilled. 90 mL Methanol R1 Chemical: tris(hydroxymethyl)aminomethane CAS No.: 77-86-1 Classification: No criteria for classification or naming of chemical not required. Formula: C4 H11 NO3 Pseudonym: Trometamol, 2-amino-2-(hydroxymethyl)-1,3-propanediol TSCA Inventory: listed REACH Reg. No: 01-2119957659-16-0014 EC No: 201-064-4 RTECS: TV2900000 MFCD: 00004679 KE No: KE-01403 Concentration: 1 - 43 % acc. CLP (GHS): The criteria for classification are not fulfilled. 6 mL Methanol R2 Chemical: tetramethylbenzidine CAS No: 54827-17-7 Classification: No criteria for classification or naming of chemical not required. Formula: C16 H20 N2 Pseudonym: 3,3,5,5-4 tetramethyl-[1,1'-biphenyl]-4,4'-diamine TSCA Inventory: listed EC No.: 259-384-6 RTECS: DV2300000 MFCD: 00007778 Concentration: <1,00 % acc. CLP (GHS): The criteria for classification are not fulfilled. Chemical: dimethyl sulfoxide CLP (GHS): The criteria for classification are not fulfilled. Chemical: dimethyl sulfoxide CLP (GHS): The criteria for classification are not fulfilled. Chemical: dimethyl sulfoxide CCAS No:: 67-68-5 Classification: No criteria for classification are not fulfilled. Chemical: dimethyl sulfoxide CCAS No:: 67-68-5 Classification: No criteria for classification are not fulfilled. Chemical: dimethyl sulfoxide REACH Reg. No: 01-2119431362-50-xxxx EC No: CLP (GHS): The criteria for classification are not fulfilled. Torcentration: 60 - 480 % acc. CLP (GHS): The criteria for classification are not fulfilled. Chemical: hydrochloric acid Chemical: hydr			MFCD:	00081310	
90 mL Methanol R1 Chemical: tris(hydroxymethyl)aminomethane CAS No.: 77-86-1 Classification: No criteis for classification or naming of chemical not required. Formula: CA H11 NO3 Pseudonym: Trometamol, 2-amino-2-(hydroxymethyl)-1,3-propanediol TGCA Inventory: Use of the transformetamol, 2-amino-2-(hydroxymethyl)-1,3-propanediol TGCA Inventory: Use of the transformetamol, 2-amino-2-(hydroxymethyl)-1,3-propanediol TGCA Inventory: 00004679 REACH Reg, No: 01-02119957659-16-0014 00004679 KE No: KE No: Chose 201-064-4 RTECS: TY2900000 MFCD: 00004679 KE No: KE-01403 Concentration: 1 - 43 % acc. CLP (GHS): The criteria for classification are not fulfilled. 6 mL Methanol R2 Chemical: Ietramethylbenzidine CAS No:: 54827-17-7 Classification: No: criteria for classification or naming of chemical not required. Formula: CAS No:: 54827-17-7 Classification: No: criteria for classification or naming of chemical not required. Formula: CAS No:: 54827-17-7 Classification: No: criteria for classification or naming of chemical not required. Formula: CAS No:: 54827-17-7 Classification: No: cr		10 - <100 %			
Chemical: tris(hydroxymethyl)aminomethane CAS No.: 77-86-1 Classification: No criteria for classification or naming of chemical not required. Formula: C4 Hi11 NO3 Pseudonym: Trometamol, 2-amino-2-(hydroxymethyl)-1,3-propanediol TSCA Inventory: listed REACH Reg. No.: 01-2119957659-16-0014 EC No.: 201-064-4 RTECS: T72900000 MFCD: 00004679 KE No.: KE-01403 Concentration: 1 - <3 % acc. CLP (GHS): The criteria for classification are not fulfilled. 6 mL Mothanol R2 Chemical: tetramethylbenzidine Classification: No criteria for classification or naming of chemical not required. Formula: C1 af b20 N2 Pseudonym: 3,3,5,5'-tetramethyl-[1,1'-biphenyl]-4,4'-diamine TSCA Inventory: listed EC No:: 259-364-6 RTECS: DV2300000 MFCD: 00007778 Concentration: <1,00 % acc. CLP (GHS): The criteria for classification or naming of chemical not required. Formula: C1 af b20 N2 Pseudonym: 3,3,5,5'-tetramethyl-[1,1'-biphenyl]-4,4'-diamine TSCA Inventory: listed EC No:: 259-364-6 RTECS: DV2300000 MFCD: 00007778 Concentration: <1,00 % acc. CLP (GHS): The criteria for classification or naming of chemical not required. Formula: C2 H6 O3 Concentration: No criteria for classification or naming of chemical not required. Formula: C2 H6 O4 REACH Reg. No: 01-2119431362-50-xxxx EC No: 200-664-3 RTECS: PV6210000 MFCD: 00002089 KE No: KE 32367 Concentration: 60 - <80 % acc. CLP (GHS): The criteria for classification are not fulfilled. 10 mL Methanol R3 Chemical: hydrochloric acid CAS No:: 7647-01-0 Classification: H290, Met. Corr. 1, H314, Skin Corr. 1B, H331, Acute Tox. 3 inh. Formula: HC/H2 O Pseudonym: aqueous hydrogen chloride TSCA Inventory: listed REACH Reg. No: 01-2119484882-27-xxxx	acc. CLP (GHS):	The criteria for classification are not fulfille	i.		
Classification: No criteria for classification or naming of chemical not required. Formula: C4 H11 NO3 Pseudonym: Trometamol, 2-amino-2-(hydroxymethyl)-1,3-propanediol TSCA Inventory: listed REACH Reg. No.: 01-2119957659-16-0014 EC No.: 201-064.4 RTECS: TV2900000 MFCD: 00004679 KE No.: KE-01403 Concentration: 1 - <3 % acc. CLP (GHS): The criteria for classification are not fulfilled. 6 mL Methanol R2 Chemical: tetramethylbenzidine CAS No.: 54827-17-7 Classification: No criteria for classification or naming of chemical not required. Formula: C1e H20 N2 Pseudonym: 3,3,5,5-fetramethyl-[1,1'-biphenyl]-4,4'-diamine TSCA Inventory: listed EC No.: 259-364-6 RTECS: DV2300000 MFCD: 00007778 Concentration: <1,00 % acc. CLP (GHS): The criteria for classification or naming of chemical not required. Formula: C2e H20 N2 Pseudonym: 3,3,5,5-fetramethyl-[1,1'-biphenyl]-4,4'-diamine TSCA Inventory: listed RTECS: DV2300000 MFCD: 00007778 Concentration: <1,00 % acc. CLP (GHS): The criteria for classification or naming of chemical not required. Formula: C2 H6 OS Pseudonym: DMSO, 1,1'-sulfinylbis-methane TSCA Inventory: listed REACH Reg. No.: 01-2119431362-50-xxxx EC No.: 200-664-3 RTECS: PV6210000 MFCD: 00002089 KE No.: KE-32367 Concentration: 60 - <80 % acc. CLP (GHS): The criteria for classification are not fulfilled. 10 mL.Methanol R3 Chemical: hydrochloric acid CAS No.: 7647-01-0 Classification: H200, Met. Corr. 1, H314, Skin Corr. 1B, H331, Acute Tox. 3 inh. Formula: HCl+f2 O Pseudonym: aqueous hydrogen chloride REACH Reg. No.: 01-2119484862-27-xxxx	90 mL Methanol R1				
Classification: No criteria for classification or naming of chemical not required. Formula: C, H ₁₁ NO ₃ Pseudonym: Trometamol, 2-amino-2-(hydroxymethyl)-1,3-propanediol TSCA Inventory: listed REACH Reg. No.: 01-2119957659-16-0014 EC No.: 201-064-4 RTECS: T72900000 MFCD: 00004679 KE No.: KE-01403 Concentration: 1 - <3 % acc. CLP (GHS): The criteria for classification are not fulfilled. 6 mL Methanol R2 Chemical: tetramethylbenzidine CAS No.: 54827-17-7 Classification: No criteria for classification or naming of chemical not required. Formula: C is H ₂ N ₂ Pseudonym: 3,3',5,5-tetramethyl-[1,1'-biphenyl]-4,4'-diamine TSCA Inventory: listed EC No.: 259-364-6 RTECS: DV2300000 MFCD: 00007778 Concentration: < 1,00 % acc. CLP (GHS): The criteria for classification or naming of chemical not required. Formula: C is H ₂ N ₂ Pseudonym: 3,3',5,5-tetramethyl-[1,1'-biphenyl]-4,4'-diamine TSCA Inventory: listed RTECS: DV2300000 MFCD: 00007778 Concentration: < 1,00 % acc. CLP (GHS): The criteria for classification or naming of chemical not required. Formula: C 2, H ₆ OS Pseudonym: DMSO, 1,1'-sulfinylbis-methane TSCA Inventory: listed REACH Reg. No.: 01-2119431362-50-xxxx EC No.: 200-664-3 RTECS: PV6210000 MFCD: 00002089 KE No.: KE 532367 Concentration: 60 - <80 % acc. CLP (GHS): The criteria for classification are not fulfilled. 10 mL Methanol R3 Chemical: hydrochloric acid CAS No.: 7647-01-0 Classification: H209, Met. Corr. 1, H314, Skin Corr. 1B, H331, Acute Tox. 3 inh. Formula: Mathematory: listed REACH Reg. No.: 01-2119484862-27-xxxx	Chemical: tris(hy	droxymethyl)aminomethane		CAS No.: 77-86-1	
Formula: C ₄ H ₁₁ NO ₃ Pseudonym: Trometamol, 2-amino-2-(hydroxymethyl)-1,3-propanediol TSCA Inventory: listed REACH Reg. No.: 01-2119947659-16-0014 EC No.: 201-064-4 RTECS: TY2900000 MFCD: 00004679 KE No.: KE-01403 Concentration: 1 - <3 % acc. CLP (GHS): The criteria for classification are not fulfilled. 6 mL Methanol R2 Chemical: tetramethyl/benzidine CAS No.: 54827-17-7 Classification: No criteria for classification or naming of chemical not required. Formula: C ₁ & for No Pseudonym: 3,3;5,5'-tetramethyl-[1,1'-biphenyl]-4,4'-diamine TSCA Inventory: listed EC No.: 259-364-6 RTECS: DV230000 MFCD: 00007778 Concentration: <1,00 % acc. CLP (GHS): The criteria for classification are not fulfilled. Chemical: dimethyl sulfoxide CAS No.: 67-68-5 Classification: No criteria for classification or naming of chemical not required. Formula: C ₂ H ₆ OS Pseudonym: 3,2;5,5'-tetramethyl-[1,1'-biphenyl]-4,4'-diamine TSCA Inventory: listed Chemical: dimethyl sulfoxide CAS No.: 67-68-5 Classification: No criteria for classification or naming of chemical not required. Formula: C ₂ H ₆ OS Pseudonym: DMSO, 1,1'-sulfinylbis-methane TSCA Inventory: listed REACH Reg. No.: 01-2119431362-50-xxxx EC No.: 200-664-3 RTECS: PV6210000 MFCD: 00002089 KE No.: KE-32367 Concentration: 60 - <80 % acc. CLP (GHS): The criteria for classification are not fulfilled. 10 mL Methanol R3 Chemical: hydrochloric acid CAS No: 7647-01-0 Classification: H290, Met. Corr. 1, H314, Skin Corr. 1B, H331, Acute Tox. 3 inh. Formula: H200, Met. Corr. 1, H314, Skin Corr. 1B, H331, Acute Tox. 3 inh. Formula: H200, Met. Corr. 1, H314, Skin Corr. 1B, H331, Acute Tox. 3 inh. Formula: H201H ₂ O Pseudonym: aqueous hydrogen chloride TSCA Inventory: listed REACH Reg. No.: 01-2119484862-27-xxxx			emical not required		
Pseudonym: Trometamol, 2-amino-2-(hydroxymethyl)-1,3-propanediol TSCA Inventory: listed EC No: 01-2119957659-16-0014 EC No: 201-064-4 EC No: 201-064-4 KTECS: TY290000 MFCD: 00004679 KE No: KE-01403 Concentration: 1 - <3 % acc. CLP (GHS): The criteria for classification are not fulfilled. 6 mL Methanol R2 Chemical: tetramethyl/benzidine CAS No.: 54827-17-7 Classification: No criteria for classification or naming of chemical not required. Formula: C16 H20 N2 Pseudonym: 3,3;5,5-lettramethyl-[1,1'-biphenyl]-4,4'-diamine TSCA Inventory: listed EC No: 259-364-6 RTECS: DV230000 MFCD: 00007778 Concentration: < 1,00 % acc. CLP (GHS): The criteria for classification are not fulfilled. Chemical: dimethyl sulfoxide CAS No.: 67-68-5 Classification: No criteria for classification are not fulfilled. Chemical: dimethyl sulfoxide CAS No.: 67-68-5 Classification: No criteria for classification or naming of chemical not required. Formula: C2 H6 OS Pseudonym: 0MSO, 1,1'-sulfinylbis-methane TSCA Inventory: listed REACH Reg. No.: 01-2119431362-50-xxxx EC No: 200-664-3 RTECS: PV6210000 MFCD: 00002089 KE No: KE-32367 Concentration: 60 - <80 % acc. CLP (GHS): The criteria for classification are not fulfilled. 10 mL Methanol R3 Chemical: hydrochloric acid Classification: H290, Met. Corr. 1, H314, Skin Corr. 1B, H331, Acute Tox. 3 inh. Formula: HCH20 Pseudonym: aqueous hydrogen chloride TSCA Inventory: listed REACH Reg. No.: 01-2119484862-27-xxxx	Formula:				
TSCA Inventory: listed Internet of the second			nethyl)-1,3-propanediol		
REACH Reg. No.: 01-2119957659-16-0014 EC No.: 201-064-4 RTECS: TY200000 MFCD: 00004679 KE No.: KE-01403 Concentration: 1 - 3 % acc. CLP (GHS): The criteria for classification are not fulfilled. CAS No.: 54827-17-7 Classification: No criteria for classification or naming of chemical not required. Formula: CAS No.: 54827-17-7 Classification: No criteria for classification or naming of chemical not required. Formula: CAS No.: 54827-17-7 Classification: No criteria for classification or naming of chemical not required. Formula: CAS No.: 54827-17-7 Classification: No criteria for classification are not fulfilled. 00007778 Formula: TSCA Inventory: Listed EC No.: 259-364-6 Formula: CAS No.: 67-68-5 Classification: No criteria for classification are not fulfilled. CAS No.: 67-68-5 Classification: No criteria for classification or naming of chemical not required. Formula: C2 Hg OS CAS No.: 101-2119431362-50-xxxx EC No.: 200-664-3 FRECS: PV8210000 MFCD: 00002089 KE No.: KE-No1: KE-S32367			, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
EC No.: 201-064-4 RTECS: TY2900000 MFCD: 00004679 KE No.: KE-01403 Concentration: 1					
RTECS: TV2900000 MFCD: 00004679 KE No: KE-01403 Concentration: 1 43 % acc. CLP (GHS): The criteria for classification are not fulfilled. CAS No.: 54827-17-7 Chemical: tetramethylbenzidine CAS No.: 54827-17-7 Classification: No criteria for classification or naming of chemical not required. Formula: Formula: C16 H20 N2 Pseudonym: 3.3; 5.5'-tetramethyl-[1,1'-biphenyl]-4,4'-diamine TSCA Inventory: listed EC No.: 259-364-6 RTECS: DV2300000 MFCD: 00007778 Concentration: < 1,00 %					
KE No.: KE-01403 Concentration: 1 - <3 % acc. CLP (GHS): f mL Methanol R2 CAS No.: 54827-17-7 Classification: No criteria for classification or naming of chemical not required. Formula: CAS No.: 54827-17-7 Classification: No criteria for classification or naming of chemical not required. Formula: CAS No.: 54827-17-7 Classification: No criteria for classification or naming of chemical not required. Formula: Concentration Seudonym: 3,3: 5,5'-tetramethyl-[1,1'-biphenyl]-4,4'-diamine TSCA Inventory: Usited EC No.: 259-364-6 Out2300000 MFCD: 00007778 Concentration: < 1,00 % acc. CLP (GHS): The criteria for classification are not fulfilled. Chemical: dimethyl sulfoxide CAS No.: 67-68-5 Classification: No criteria for classification or naming of chemical not required. Formula: Cycle GAS Pseudonym: DMSO, 1,1'-sulfinylbis-methane Cassification: Out2119431362-50-xxxx EC No.: 20000 MFCD: 00002089 KE No.: KE-32367 Out2119431362-50-xxxx Cass No.: 7647-01-0 Classification: HO2-119431362-50-xxxx Chemical: Mchentol R3 Chemical: Mchen			MFCD:	00004679	
Concentration: 1 - <3 % acc. CLP (GHS): The criteria for classification are not fulfilled. 6 mL Methanol R2 Chemical: tetramethyl/benzidine CAS No.: 54827-17-7 Classification: No oriteria for classification or naming of chemical not required. Formula: C16 H20 N2 Pseudonym: 3,3,5,5-lettramethyl-[1,1'-biphenyl]-4,4'-diamine TSCA Inventory: listed EC No.: 259-364-6 RTECS: DV2300000 MFCD: 00007778 Concentration: <1,00 % acc. CLP (GHS): The criteria for classification are not fulfilled. Chemical: dimethyl sulfoxide CAS No.: 67-68-5 Classification: No criteria for classification or naming of chemical not required. Formula: C2 H6 OS Pseudonym: DMSO, 1,1'-sulfinylbis-methane TSCA Inventory: listed REACH Reg. No.: 01-2119431362-50-xxxx EC No.: c20-664-3 RTECS: PV6210000 MFCD: 00002089 KE No.: KE-32387 Concentration: 60 - <80 % acc. CLP (GHS): The criteria for classification are not fulfilled. 10 mL Methanol R3 Chemical: hydrochloric acid CAS No.: 7647-01-0 Classification: H290, Met. Corr. 1, H314, Skin Corr. 1B, H331, Acute Tox. 3 inh. Formula: H204, Met 207-xxxx					
acc. CLP (GHS): The criteria for classification are not fulfilled. 6 mL Methanol R2 Chemical: tetramethyl/benzidine CAS No.: 54827-17-7 Classification: No criteria for classification or naming of chemical not required. Formula: C16 H20 N2 Pseudonym: 3,3,5,5'-tetramethyl-[1,1'-biphenyl]-4,4'-diamine TSCA Inventory: listed EC No.: 2259-364-6 RTECS: DV2300000 MFCD: 00007778 Concentration: <1,00 % acc. CLP (GHS): The criteria for classification are not fulfilled. Chemical: dimethyl sulfoxide CAS No.: 67-68-5 Classification: No criteria for classification or naming of chemical not required. Formula: C2 H6 OS Pseudonym: DMSO, 1,1'-sulfinylbis-methane TSCA Inventory: listed REACH Reg. No:: 01-2119431362-50-xxxx EC No:: 200-664-3 RTECS: PV6210000 MFCD: 00002089 KE No:: KE-32367 Concentration: 60 - 480 % acc. CLP (GHS): The criteria for classification are not fulfilled. 10 mL Methanol R3 Chemical: hydrochloric acid CAS No: 7647-01-0 Classification: H20, Met. Corr. 1, H314, Skin Corr. 1B, H331, Acute Tox. 3 inh. Formula: H20; Met. Corr. 1, H314, Skin Corr. 1B, H331, Acute Tox. 3 inh. Formula: H20; Met. Corr. 1, H314, Skin Corr. 1B, H331, Acute Tox. 3 inh. Formula: H20; Met. Corr. 1, H314, Skin Corr. 1B, H331, Acute Tox. 3 inh. Formula: H20; Met. Corr. 1, H314, Skin Corr. 1B, H331, Acute Tox. 3 inh. Formula: H20; Met. Corr. 1, H314, Skin Corr. 1B, H331, Acute Tox. 3 inh. Formula: H20; Met. Corr. 1, H314, Skin Corr. 1B, H331, Acute Tox. 3 inh. Formula: H20; Met. Corr. 1, H314, Skin Corr. 1B, H331, Acute Tox. 3 inh. Formula: H20; Met. Corr. 1, H314, Skin Corr. 1B, H331, Acute Tox. 3 inh. Formula: H20; Met. Corr. 1, H314, Skin Corr. 1B, H331, Acute Tox. 3 inh. Formula: H20; Met. Corr. 1, H314, Skin Corr. 1B, H331, Acute Tox. 3 inh. Formula: H20; Met. Corr. 1, H314, Skin Corr. 1B, H331, Acute Tox. 3 inh. Formula: H20; Met. Corr. 1, H314, Skin Corr. 1B, H331, Acute Tox. 3 inh. Formula: H20; Met. Corr. 1, H314, Skin Corr. 1B, H331, Acute Tox. 3 inh. Formula: H20; Met. Corr. 1B, H331, Ac					
Chemical: tetramethylbenzidine CAS No.: 54827-17-7 Classification: No criteria for classification or naming of chemical not required. Formula: Cr6 H20 N2 Pseudonym: 3,3',5,5'-tetramethyl-[1,1'-biphenyl]-4,4'-diamine TSCA Inventory: listed EC No.: 259-364-6 RTECS: DV2300000 MFCD: 00007778 Concentration: < 1,00 % acc. CLP (GHS): The criteria for classification are not fulfilled. Chemical: dimethyl sulfoxide CAS No.: 67-68-5 Classification: No criteria for classification or naming of chemical not required. Formula: C2 H6 OS Pseudonym: DMSO, 1,1'-sulfinylbis-methane TSCA Inventory: listed REACH Reg. No.: 01-2119431362-50-xxxx EC No.: 200-664-3 RTECS: PV6210000 MFCD: 00002089 KE No.: KE-32367 Concentration: 60 - <80 % acc. CLP (GHS): The criteria for classification are not fulfilled. 10 mL Methanol R3 Chemical: hydrochloric acid CAS No.: 7647-01-0 Classification: H290, Met. Corr. 1, H314, Skin Corr. 1B, H331, Acute Tox. 3 inh. Formula: HCI+H2 O Pseudonym: aqueous hydrogen chloride TSCA Inventory: listed REACH Reg. No.: 01-21194484862-27-xxxx		The criteria for classification are not fulfille	i.		
Chemical: tetramethylbenzidine CAS No.: 54827-17-7 Classification: No criteria for classification or naming of chemical not required. Formula: Cr6 H20 N2 Pseudonym: 3,3',5,5'-tetramethyl-[1,1'-biphenyl]-4,4'-diamine TSCA Inventory: listed EC No.: 259-364-6 RTECS: DV2300000 MFCD: 00007778 Concentration: < 1,00 % acc. CLP (GHS): The criteria for classification are not fulfilled. Chemical: dimethyl sulfoxide CAS No.: 67-68-5 Classification: No criteria for classification or naming of chemical not required. Formula: C2 H6 OS Pseudonym: DMSO, 1,1'-sulfinylbis-methane TSCA Inventory: listed REACH Reg. No.: 01-2119431362-50-xxxx EC No.: 200-664-3 RTECS: PV6210000 MFCD: 00002089 KE No.: KE-32367 Concentration: 60 - <80 % acc. CLP (GHS): The criteria for classification are not fulfilled. 10 mL Methanol R3 Chemical: hydrochloric acid CAS No.: 7647-01-0 Classification: H290, Met. Corr. 1, H314, Skin Corr. 1B, H331, Acute Tox. 3 inh. Formula: HCI+H2 O Pseudonym: aqueous hydrogen chloride TSCA Inventory: listed REACH Reg. No.: 01-21194484862-27-xxxx	6 ml Mothanol P2				
Classification: No criteria for classification or naming of chemical not required. Formula: C16 H20 N2 Pseudonym: 3,3,5,5'-tetramethyl-[1,1'-biphenyl]-4,4'-diamine TSCA Inventory: listed EC No.: 259-364-6 RTECS: DV2300000 MFCD: 00007778 Concentration: < 1,00 %		othylbonzidino		CAS No - 54827 17 7	
Formula: $C_{16}H_{20}N_2$ Pseudonym: $3,3,5,5'$ -tetramethyl-[1,1'-biphenyl]-4,4'-diamineTSCA Inventory:listedEC No.: $259.364.6$ RTECS:DV2300000MFCD:oncentration:<1,00 %				CAS NO.: 54027-17-7	
Pseudonym: 3,3,5,5 ⁻ tetramethyl-[1,1'-biphenyl]-4,4'-diamine TSCA Inventory: listed EC No.: 259-364-6 RTECS: DV2300000 MFCD: 00007778 Concentration: <1,00 % acc. CLP (GHS): The criteria for classification are not fulfilled. Chemical: dimethyl sulfoxide CAS No.: 67-68-5 Classification: No criteria for classification or naming of chemical not required. Formula: C ₂ H ₆ OS Pseudonym: DMSO, 1,1'-sulfinylbis-methane TSCA Inventory: listed REACH Reg. No.: 01-2119431362-50-xxxx EC No.: 200-664-3 RTECS: PV6210000 MFCD: 00002089 KE No.: KE-32367 Concentration: 60 - <80 % acc. CLP (GHS): The criteria for classification are not fulfilled. 10 mL Methanol R3 Chemical: hydrochloric acid CAS No.: 7647-01-0 Classification: H290, Met. Corr. 1, H314, Skin Corr. 1B, H331, Acute Tox. 3 inh. Formula: HCI+H ₂ O Pseudonym: aqueous hydrogen chloride TSCA Inventory: listed REACH Reg. No.: 01-2119484862-27-xxxx			iemical not required.		
TSCA Inventory: listed Inventory: EC No.: 259-364-6 RTECS: DV230000 MFCD: 00007778 Concentration: < 1,00 %			1 4 1 diamina		
EC No.: 259-364-6 RTECS: DV230000 MFCD: 00007778 Concentration: < 1,00 %			-4,4 -ulamine		
RTECS: DV2300000 MFCD: 00007778 Concentration: <1,00 %					
Concentration: < 1,00 %			MECD	00007778	
acc. CLP (GHS): The criteria for classification are not fulfilled. Chemical: dimethyl sulfoxide CAS No.: 67-68-5 Classification: No criteria for classification or naming of chemical not required. Formula: C2 H6 OS Pseudonym: DMSO, 1,1'-sulfinylbis-methane TSCA Inventory: listed REACH Reg. No.: 01-2119431362-50-xxxx EC No.: 200-664-3 RTECS: PV6210000 MFCD: 00002089 KE No.: KE-32367 Concentration: 60 - <80 %			WI CD.	00001110	
Chemical: dimethyl sulfoxide CAS No.: 67-68-5 Classification: No criteria for classification or naming of chemical not required. Formula: C ₂ H ₆ OS Pseudonym: DMSO, 1,1'-sulfinylbis-methane TSCA Inventory: listed REACH Reg. No.: 01-2119431362-50-xxxx EC No.: 200-664-3 RTECS: PV6210000 MFCD: 00002089 KE No.: KE-32367 Concentration: 60 - <80 % acc. CLP (GHS): The criteria for classification are not fulfilled. 10 mL Methanol R3 Chemical: hydrochloric acid CAS No.: 7647-01-0 Classification: H290, Met. Corr. 1, H314, Skin Corr. 1B, H331, Acute Tox. 3 inh. Formula: HCI+H ₂ O Pseudonym: aqueous hydrogen chloride TSCA Inventory: listed REACH Reg. No.: 01-2119484862-27-xxxx		,			
Classification: No criteria for classification or naming of chemical not required. Formula: C2 H6 OS Pseudonym: DMSO, 1,1'-sulfinylbis-methane TSCA Inventory: listed REACH Reg. No.: 01-2119431362-50-xxxx EC No.: 200-664-3 RTECS: PV6210000 MFCD: 00002089 KE No.: KE-32367 Concentration: 60 - <80 %	acc. CEI (CITO).	I ne criteria for classification are not fulfille	1.		
Classification: No criteria for classification or naming of chemical not required. Formula: C2 H6 OS Pseudonym: DMSO, 1, 1'-sulfinylbis-methane TSCA Inventory: listed REACH Reg. No.: 01-2119431362-50-xxxx EC No.: 200-664-3 RTECS: PV6210000 MFCD: 00002089 KE No.: KE-32367 Concentration: 60 - <80 %	Chemical: dimeth	yl sulfoxide		CAS No.: 67-68-5	
Formula: C ₂ H ₆ OS Pseudonym: DMSO, 1, 1'-sulfinylbis-methane TSCA Inventory: listed REACH Reg. No.: 01-2119431362-50-xxxx EC No.: 200-664-3 RTECS: PV6210000 MFCD: 00002089 KE No.: KE-32367 Concentration: 60 - <80 %		-	emical not required		
Pseudonym:DMSO, 1,1'-sulfinylbis-methaneTSCA Inventory:listedREACH Reg. No.:01-2119431362-50-xxxxEC No.:200-664-3RTECS:PV6210000MFCD:00002089KE No.:KE No.:KE-32367Concentration:60 - <80 %	Formula:		iernieu net requireu.		
TSCA Inventory: listed REACH Reg. No.: 01-2119431362-50-xxxx EC No.: 200-664-3 RTECS: PV6210000 KE No.: KE-32367 Concentration: 60 - <80 %	Pseudonym:				
REACH Reg. No.: 01-2119431362-50-xxxx EC No.: 200-664-3 RTECS: PV6210000 MFCD: 00002089 KE No.: KE-32367 Concentration: 60 - <80 %					
EC No.: 200-664-3 RTECS: PV6210000 MFCD: 00002089 KE No.: KE-32367 Concentration: 60 - <80 %					
RTECS: PV6210000 MFCD: 00002089 KE No.: KE-32367 Concentration: 60 - <80 %					
KE No.: KE-32367 Concentration: 60 - <80 %			MFCD:	00002089	
Concentration: 60 - <80 %			-		
acc. CLP (GHS): The criteria for classification are not fulfilled. 10 mL Methanol R3 Chemical: hydrochloric acid CAS No.: 7647-01-0 Classification: H290, Met. Corr. 1, H314, Skin Corr. 1B, H331, Acute Tox. 3 inh. Formula: HCI+H ₂ O Pseudonym: aqueous hydrogen chloride TSCA Inventory: listed REACH Reg. No.: 01-2119484862-27-xxxx					
Chemical:hydrochloric acidCAS No.: 7647-01-0Classification:H290, Met. Corr. 1, H314, Skin Corr. 1B, H331, Acute Tox. 3 inh.Formula:HCI•H2 OPseudonym:aqueous hydrogen chlorideTSCA Inventory:listedREACH Reg. No.:01-2119484862-27-xxxx	acc. CLP (GHS):		i.		
Chemical:hydrochloric acidCAS No.: 7647-01-0Classification:H290, Met. Corr. 1, H314, Skin Corr. 1B, H331, Acute Tox. 3 inh.Formula:HCI•H2 OPseudonym:aqueous hydrogen chlorideTSCA Inventory:listedREACH Reg. No.:01-2119484862-27-xxxx	10 ml Methanol P3				
Classification:H290, Met. Corr. 1, H314, Skin Corr. 1B, H331, Acute Tox. 3 inh.Formula:HCI•H2 OPseudonym:aqueous hydrogen chlorideTSCA Inventory:listedREACH Reg. No.:01-2119484862-27-xxxx		hloric acid		CAS No · 7647-01-0	
Formula: HCI•H ₂ O Pseudonym: aqueous hydrogen chloride TSCA Inventory: listed REACH Reg. No.: 01-2119484862-27-xxxx	,		orr. 1B. H331 Acute Tox		
Pseudonym: aqueous hydrogen chloride TSCA Inventory: listed REACH Reg. No.: 01-2119484862-27-xxxx					
TSCA Inventory: listed REACH Reg. No.: 01-2119484862-27-xxxx					
REACH Reg. No.: 01-2119484862-27-xxxx		, , ,			
EC No.: 231-595-7 Indice No.: 017-002-01-X	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.			Acc. Precaution Chem		
Concentration: $1 - <10\%$					
acc. CLP (GHS): H290, Met. Corr. 1					
.3 Remarks	Bomorko				



MACHEREY-NAGEL GmbH & Co. KG · Neumann-Neander-Str. 6-8 · 52355 Düren · Germany FR: US: DE/international: CH: Tel.: +41 62 388 55 00 Fax: +41 62 388 55 05 Tel.: +49 24 21 969-0 Tel.: +33 388 68 22 68 Tel.: +1 484 821 0984 +49 24 21 969-199 Fax: +1 484 821 1272 Fax: Fax: +33 388 51 76 88 Version: M V 4.10.1 E-mail: info@mn-net.com E-mail: sales-ch@mn-net.com E-mail: sales-fr@mn-net.com E-mail: sales-us@mn-net.com

MACHEREY-NAGEL



Safety Data Sheet

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

REF: 985859	NANOCOLOR Methanol 15	Page: 4/9
Printing date: 01.10.2019	Date of issue: 26.09.2018	

When not listed, mixtures are added with water [CAS No. 7732-18-5] to 100%.

- - -

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 vapours Not necessary
4.1.4	After ORAL Intake Not necessary
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
SEC	FION 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 None.
- 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. 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 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. Use a safety bottle when shaking test tubes.

7.2 Conditions for safe storage, including any incompatibilities The original product package of MACHEREY-NAGEL allows a safe storage. Storage class (VCI): 8B Water hazard class (DE): 3

7.2.1 Requirements for stock rooms and containers

ACHEREY-NAGE <mn> ISO 9001 CERTIFIEI

MACHEREY-NAGEL GmbH & Co. KG · Neumann-Neander-Str. 6-8 · 52355 Düren · Germany DE/international: CH: FR: Tel.: +49 24 21 969-0 Tel.: +41 62 388 55 00 Tel.: +33 388 68 22 68 Fax: +49 24 21 969-199 Fax: +41 62 388 55 05 Fax: +33 388 51 76 88 Version: M V 4.10.1 E-mail: info@mn-net.com E-mail: sales-ch@mn-net.com E-mail: sales-fr@mn-net.com

US: Tel.: +1 484 821 0984 Fax: +1 484 821 1272 E-mail: sales-us@mn-net.com



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

REF: 985859	NANOCOLOR Methanol 15	Page: 5/9
Printing date: 01.10.2019	Date of issue: 26.09.2018	

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**

9 mg Metha	anol R0, lyoph	ilizied (R0)	
Chemical:	peroxidase		CAS No.: 9003-99-0
Chemical:	alginic acid,	sodium salt	CAS No.: 9005-38-3
90 mL Meth	nanol R1		
Chemical: DNEL: DNEL		methyl)aminomethane [derm] 166.7 mg/kg bw/day; [inh] 117.5 mg ect Level (for workers)	CAS No.: 77-86-1 J/m³
PNEC(fresh v PNEC	water): C = Predicted No E	no data mg/L iffected Concentration	
NIOSH: [TWA] Time-weighted a	not listed verage to a reference period of 8 hours, [STEL] Short-terr	n exposure limit related to a 15-minute period
OSHA:		not listed	
6 mL Metha	anol R2		
Chemical:	tetramethylk	penzidine	CAS No.: 54827-17-7
Chemical: DNEL: DNEL	<i>dimethyl sul</i> = = Derived No-Eff	<i>foxide</i> 394 _{inh} mg/m³ ect Level (for workers)	CAS No.: 67-68-5
PNEC(fresh v PNEC	water) : C = Predicted No E	17 mg/L iffected Concentration	
TRGS 900 ((DE):	50 ppm / 160 mg/m³ E/e respirable	
	exposure facto resorptive (H), res	r: 2 (I), H, Z piratory sensitizable (Sa), skin sensitizable (Sh), teratoge	nic (Z) not securely excluded / (Y) certainly excluded
SUVA(CH)	MAK value:	50 ppm / 160 mg/m³	
10 mL Meth	nanol R3		
Chemical: DNEL: DNEL	hydrochlorid	: <i>acid</i> [inh] 8 mg/m³ ect Level (for workers)	CAS No.: 7647-01-0
PNEC(fresh v PNEC	water) : C = Predicted No E	36 µg/L iffected Concentration	
EU value: TRGS 900 ((DE):	[TWA] 5 ppm / 8 mg/m ³ ; [STEL] 10 ppm/ 1 2 mL/m³ / 3 mg/m³	15 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: 2 ppm / 3* mg/m³ : [C] 5 ppm / 7 mg/m³ [TWA] Time-weighted average to a reference period of 8 hours, [STEL] Short-term exposure limit related to a 15-minute period NIOSH: OSHA: List of highly hazardous chemicals, toxics and reactives Yes (TQ = 5000 lbs) n/a; TWA 5 ppm / 7 mg/m³

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.



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^{8.2.3} Eye protection



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

REF: 985	5859	NANOCOLOR Met	nanol 15	Page: 6/9
Printing of	date: 01.10.2019	Date of issue: 26.09	9.2018	
	Not necessary.			
8.2.4	Skin protection			
5.2.4	Not necessary.			
3.2.5	Personal hygiene Information not necessary.			
SECTI	ON 9: Physical and ch	emical properties		
9.1	Information on basic phy	sical and chemical propert	ies	
	9 mg Methanol R0, lyophili			
	Appearance: solid pH:	Colour: colourless 7-7,5	Odor: fusty, mouldy	
	Solubility in water:	0-100 %		
	90 mL Methanol R1			
	Appearance: liquid	Colour: colourless	Odor: odorless	
	pH: Specific gravity:	7,2 1,0 g/cm³		
	Solubility in water:	0-100 %		
	6 mL Methanol R2			
	Appearance: liquid pH:	Colour: colourless 6-8	Odor: fusty, mouldy	
	Specific gravity:	1,06 g/cm ³		
	10 mL Methanol R3			
	Appearance: liquid pH:	Colour: colourless 0-1	Odor: odorless	
	Specific gravity:	1,02 g/cm ³		
	Solubility in water:	0-100 %		
9.2	Other information			
	Data for the other parameters of t	he mixtures are not available, becau	use no registration and no chemical safety re	eport is required.
	Relevant Properties of Substan	ce Group		

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. Observe labeled storage temperature
10.5	Incompatible materials Not known.
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.



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US: Tel.: +1 484 821 0984 Fax: +1 484 821 1272 E-mail: sales-us@mn-net.com



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

REF: 9 Printing	85859 g date: 01.10.2019		NANOCOLOR Methanol 15 Date of issue: 26.09.2018	Page: 7/S
	ION 11: Toxicolo	gical informat	ion	
11.1	Information on tox Following information i 9 mg Methanol R0,	is valid for pure subs	tances. Quantitative data on the	he toxicity of this product are not available.
	Chemical: TSCA Inventory:	peroxidase listed		CAS No.: 9003-99-0
	Chemical: TSCA Inventory:	<i>alginic acid, sodium</i> listed	salt	CAS No.: 9005-38-3
	90 mL Methanol R	1		
	Chemical: TSCA Inventory: Australia NICNAS: Japan CSCL/PRTR: Japan ISHL: South Korea TCCA: Korea Exist.Chem.Ir LD50 _{orl rat} :	not listed not listed	California Proposition	CAS No.: 77-86-1 n 65 List: not listed A 1999: DSL yes
	6 mL Methanol R2			
	Chemical: TSCA Inventory: LD50 _{ipr rat} :	<i>tetramethylbenzidine</i> listed 135 mg/kg		CAS No.: 54827-17-7
	Chemical: TSCA Inventory: Korea Exist.Chem.Ir LD50 _{orl rat} : LD50 _{drm rat} :	dimethyl sulfoxide listed nventory: KE-32367 14.5 g/kg 40 g/kg		CAS No.: 67-68-5
	10 mL Methanol R	3		
	Australia NÍĆŇAS: Japan CSCL/PRTR: Japan ISHL: South Korea TCCA:	Eyes, skin, r irritation nos pasm; pulmonary ede not listed not listed, Ja listed ≥0,2% Accident Pre	Canada CEP pan PDSCL: Deleterious Subs /≥0,1%, Article 57-2 (SDS requ caution Chemical Yes 10% Toxic 97-1-203, Acc. Pred	eye contact g; dermatitis; solution: eye, skin burns; liquid: frostbite; in A 1999: DSL Yes tance ired)
SECT	ION 12: Ecologic	al information		
12.1	Toxicity			
	Following information i 9 mg Methanol R0,	-	tances.	
	Chemical: Water hazard c Storage class (peroxidase lass (DE):	1 WGK No.: n.n. 13	CAS No.: 9003-99-0





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

REF: 985859	NANOCOLOR Methanol 15	Page: 8/9
Printing date: 01.10.2019	Date of issue: 26.09.2018	
Chemical:	alginic acid, sodium salt	CAS No.: 9005-38-3
90 mL Methanol R1 Chemical: PNEC(fresh water) : PNEC = Predicted No Ef	<i>tris(hydroxymethyl)aminomethane</i> no data mg/L	CAS No.: 77-86-1
LC50 _{fish/96h} :	LD0 (4d): 1-10 g/L lla subcapitata/72h : 397;48h: 473 mg/L tita/16h : 13h g/L (DE): 2 nt _(octanol-water) : -1.56	
6 mL Methanol R2 Chemical: Water hazard class Storage class (VCI)		CAS No.: 54827-17-7
Chemical: PNEC(fresh water) : PNEC = Predicted No Ef	<i>dimethyl sulfoxide</i> 17 mg/L fected Concentration	CAS No.: 67-68-5
LC50 _{fish/96} h : EC50 _{daphnia/48} h : EC10 _{pseudomonas pu} Water hazard class Dispersion coefficie Storage class (VCI)	(DE): 1 WGK No.: 5050 nt _{(octanol-water}): -1.35	
10 mL Methanol R3 Chemical: PNEC(fresh water) : PNEC = Predicted No Ef	hydrochloric acid 36 μg/L fected Concentration	CAS No.: 7647-01-0
LC50fish/96h : EC50 _{daphnia} /48h : EC50 _{pseudokirchnerie} Water hazard class Storage class (VCI)	(DE): 1 WGK No.: 0238	
2.2 Persistence and degra	adability	
2.3 Bioaccumulative pote not necessary	ntial	
2.4 Mobility in soil not necessary		
2.5 Results of PBT and vl no data available	PvB assessment	
2.6 Other adverse effects no additional data available		
ECTION 13: Disposal co	nsiderations	

Not necessary.

13.1 Waste treatment methods

GENERAL: Empty solids into municipal waste, empty liquids diluted into drains.



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US:

Tel.:

Fax:

+1 484 821 0984

+1 484 821 1272

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



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

REF: 985859	NANOCOLOR Methanol 15	Page: 9/9
Printing date: 01.10.2019	Date of issue: 26.09.2018	

SECTION 14: Transport information

14.1 - 14.4 Not necessary

- 14.5 Environmental hazards
- 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 MN Leaflet/User manual, also see www.mn-net.com Look for your country-specific regulations.

15.2 Chemical safety assessment

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.
- 16.1.2
 List of relevant P phrases

 P390
 Absorb spillage to prevent material damage.

16.2 Training advice

Regular safety training.

16.3 Recommended restriction on use

None

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 TRGS 900, German engineering rules governing limits in air at work, updated 03/2018 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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MACHEREY-NAGEL GmbH & Co. KG · Neumann-Neander-Str. 6–8 · 52355 Düren · Germany

DE/international: Tel.: +49 24 21 969-0 Fax: +49 24 21 969-199

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CH: Tel.: +41 62 388 55 00 Fax: +41 62 388 55 05 E-mail: sales-ch@mn-net.com FR: Tel.: +33 388 68 22 68 Fax: +33 388 51 76 88 E-mail: sales-fr@mn-net.com US: Tel.: +1 484 821 0984 Fax: +1 484 821 1272 E-mail: sales-us@mn-net.com