CHEREY-NAGE



Safety Data Sheet

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

REF: 925703	NANOCONTROL NANOCHECK 2.0	Page: 1/20
Printing date: 22.11.2022	Date of issue: 19.04.2022	Version: 2.2.2.2

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

1.1 **Product identifier**

REF 925703 no data available NANOCONTROL NANOCHECK 2.0 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 5 mL Blank (NULL) 1 x 5 mL Prüflösung 1 1 x 5 mL Prüflösung 2 1 x 5 mL Prüflösung 3 1 x 5 mL Prüflösung 4 UFI: 3MSW-13Q5-920G-1A9S UFI: GPSW-J3DJ-K20Y-PNVU 1 x 5 mL Prüflösung 5 1 x 5 mL Prüflösung 6 UFI: 8SSW-232X-W20G-C0FW 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 Phone: +49 2421 969 0

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

1.4 Emergency telephone number

Outside Germany (DE): Call your regional Poisons Information Service or call local Life Saving Service. DE: Gemeinsames Giftinformationszentrum (GGIZ) 99089 Erfurt tel. +49 361 730 730, <https://www.ggiz-erfurt.de>

You find our current versions of SDS in Internet:

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

SECTION 2: Hazard identification

2.0 Classification of the complete product according to Regulation (EC) 1272/2008



GHS02 GHS07

Signal word

DANGER
Hazard classes/categories

DANOFE

Hazard identification	Hazard classes/cate
H225 H317 H334 H341 H350i H360	Flam. Liq. 2 Skin Sens. 1 Resp. Sens. 1 Muta. 2 Carc. 1A Repr. 1B
H410	Aquatic Chronic 1



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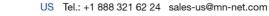
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2.1 Classification of the substance or mixture according to Regulation (EC) 1272/2008

5 mL Prüflösung 1

GHS02
DANGER
Hazard classes/categories
Flam. Liq. 2
•
GHS02
DANGER
Hazard classes/categories
Flam. Liq. 2
^
GHS02
DANGER
Hazard classes/categories
Flam. Liq. 2
Do not need labelling as hazardous -
GHS07 GHS08 GHS09 DANGER







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Hazard identification	Hazard classes/categories	
H317	Skin Sens. 1	
H334	Resp. Sens. 1	
H341 H350i	Muta. 2 Carc. 1A	
H350 H360	Repr. 1B	
H410	Aquatic Chronic 1	
5 mL Prüflösung 5		
	GHS07 GHS08 GHS09	
Signal word	DANGER	
Hazard identification	Hazard classes/categories	
H317	Skin Sens. 1	
H334	Resp. Sens. 1	
H341	Muta. 2	
H350i H360	Carc. 1A Repr. 1B	
H410	Aquatic Chronic 1	
5 mL Prüflösung 6		
	GHS07 GHS08 GHS09	
Signal word	DANGER	
Hazard identification	Hazard classes/categories	
H317	Skin Sens. 1	
H334 H341	Resp. Sens. 1	
H341 H350i	Muta. 2 Carc. 1A	
H360	Repr. 1B	
H410	Aquatic Chronic 1	
List of H phrases: see section 16.		
	g regulation (EC) 1272/2008	actor(a) /ELL 1070/0000 Array
- 1.5.1.2). Harmful chemicals/mixt	ckages must be only labelled with GHS symbol(s) and product identifiures with signal word: WARNING and highly flammable chemicals/mix U 1272/2008 Annex I - 1.5.2). This labelling exemption is NOT valid for	tures must not be labelled with
5 mL Prüflösung 1		

Signal word: DANGER

GHS02

5 mL Prüflösung 2

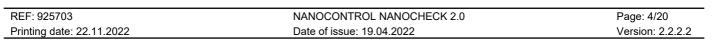


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Signal word: DANGER

5 mL Prüflösung 3



Signal word: DANGER

5 mL Blank (NULL)

Do not need labelling as hazardous Signal word: -

5 mL Prüflösung 4



Signal word: DANGER

H317, H334, H341, H350i, H360

May cause an allergic skin reaction.May cause allergy or asthma symptoms or breathing difficulties if inhaled.Suspected of causing genetic defects.May cause cancer if inhaled.May damage fertility or the unborn child.

P201, P261sh, P280sh, P342+311, P405

Obtain special instructions before use Avoid breathing dust/vapours.Wear protective gloves/eye protection.If experiencing respiratory symptoms: Call a POISON CENTER/doctor.Store locked up.

5 mL Prüflösung 5



Signal word: DANGER

H317, H334, H341, H350i, H360

May cause an allergic skin reaction.May cause allergy or asthma symptoms or breathing difficulties if inhaled.Suspected of causing genetic defects.May cause cancer if inhaled.May damage fertility or the unborn child.

P201, P261sh, P280sh, P342+311, P405

Obtain special instructions before use. Avoid breathing dust/vapours. Wear protective gloves/eye protection. If experiencing respiratory symptoms: Call a POISON CENTER/doctor. Store locked up.

5 mL Prüflösung 6



Signal word: DANGER

H317, H334, H341, H350i, H360

May cause an allergic skin reaction.May cause allergy or asthma symptoms or breathing difficulties if inhaled.Suspected of causing genetic defects.May cause cancer if inhaled.May damage fertility or the unborn child. P201, P261sh, P280sh, P342+311, P405

Obtain special instructions before use Avoid breathing dust/vapours. Wear protective gloves/eye protection. If experiencing respiratory symptoms: Call a POISON CENTER/doctor. Store locked up.



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Lebel elemente of the complete product				

Label elements of the complete product



Signal word: DANGER

H317, H334, H341, H350i, H360

May cause an allergic skin reaction.May cause allergy or asthma symptoms or breathing difficulties if inhaled.Suspected of causing genetic defects.May cause cancer if inhaled.May damage fertility or the unborn child.

P201, P261sh, P280sh, P342+311, P405

Obtain special instructions before use. Avoid breathing dust/vapours. Wear protective gloves/eye protection. If experiencing respiratory symptoms: Call a POISON CENTER/doctor. Store locked up.

2.3 Other hazards

Possible hazards from physicochemical properties Flammable properties.

Information pertaining to particular risks to human and possible symptoms

Cause after skin contact, impairments of health when ingested in small quantities. May cause sensitization by skin contact, also in repeated contact of small amounts. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Suspected of causing genetic defects. May cause cancer. May cause cancer if inhaled. May damage fertility or the unborn child.

 Information pertaining to particular risks to the environment

 PBT:
 not applicable

 vPvB:
 not applicable

Possible endocrine disrupting effects

no data available

SECTION 3: Composition / information on ingredients

3.1 Substances or 3.2 Mixtures

5

5 mL Prüflösung 1

	Substance name: CAS No.:	ethanol 64-17-5 (denatured with 1% 2-butanone / 1%	(2-propanol)	
	Substance rating: Formula: Pseudonym (de): REACH Reg. No.: EC No.: Concentration: acc. CLP (GHS): Substance name: CAS No.:	H225, Flam. Liq. 2 C_2H_6O ; C_2H_5OH Äthylalkohol, vergällter Spiritus 01-2119457610-43-xxxx 200-578-6 75 - <90 % H225, Flam. Liq. 2 indicator dye(s) -	Indice No.:	603-002-00-5
	Substance rating: Concentration: acc. CLP (GHS):	No criteria for classification or naming of cher 0,01 - <0,1 % The criteria for classification are not fulfilled.	mical not required.	
i mL Pr	üflösung 2 Substance name: CAS No.: Substance rating:	ethanol 64-17-5 (denatured with 1% 2-butanone / 1% H225, Flam. Liq. 2	6 2-propanol)	
	Formula: Pseudonym (de): REACH Reg. No.: EC No.: Concentration: acc. CLP (GHS):	C ₂ H ₆ O; C ₂ H ₅ OH Äthylalkohol, vergällter Spiritus 01-2119457610-43-xxxx 200-578-6 75 - <90 % H225, Flam. Liq. 2	Indice No.:	603-002-00-5



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	Substance name: CAS No.:	indicator dye(s) -	
	Substance rating: Concentration: acc. CLP (GHS):	No criteria for classification or naming of chemical not required. $0,01 - < 0,1 \%$ The criteria for classification are not fulfilled.	
5 ml Dr	üflösung 3	The criteria for classification are not fulfilled.	
5 III E FI	Substance name: CAS No.:	ethanol 64-17-5 (denatured with 1% 2-butanone / 1% 2-propanol)	
	Substance rating: Formula: Pseudonym (de): REACH Reg. No.: EC No.: Concentration:	H225, Flam. Liq. 2 C ₂ H ₆ O; C ₂ H ₅ OH Äthylalkohol, vergällter Spiritus 01-2119457610-43-xxxx 200-578-6 Indice No.: 603-00 75 - <90 %	2-00-5
	acc. CLP (GHS): Substance name: CAS No.:	H225, Flam. Liq. 2 indicator dye(s)	
	Substance rating: Concentration: acc. CLP (GHS):	No criteria for classification or naming of chemical not required. 0,01 - <0,1 $\%$ The criteria for classification are not fulfilled.	
5 mL BI	ank (NULL)		
	Substance name: CAS No.:	water 7732-18-5	
	Substance rating: Formula: REACH Reg. No.: EC No.: Concentration: acc. CLP (GHS):	No criteria for classification or naming of chemical not required. H ₂ O exempt, Annex IV 231-791-2 90 - <100 %	
5 ml Pr	üflösung 4	The criteria for classification are not fulfilled.	
5 III FI	Substance name: CAS No.:	nickel sulfate 7786-81-4	
	Formula: Pseudonym (de):	H302, Acute Tox. 4 oral, H315, Skin Irrit. 2, H317, Skin Sens. 1, H3 Muta. 2, H350i, Carc. 1A, H360, Repr. 1B, H372, STOT RE 1, H41 NiSO 4 Nickelvitriol	
	REACH Reg. No.: EC No.: Concentration:	01-2119439361-44-xxxx 232-104-9 Indice No.: 028-00 1 - <10 %	9-00-5
	acc. CLP (GHS): Aquatic Chronic 1	H317, Skin Sens. 1, H334, Resp. Sens. 1, H341, Muta. 2, H350i, C	Carc. 1A, H360, Repr. 1B, H410
5 mL Pr	üflösung 5 Substance name: CAS No.:	nickel sulfate 7786-81-4	
	Substance rating: Resp. Sens. 1, H341, Formula: Pseudonym (de): REACH Reg. No.:	H302, Acute Tox. 4 oral, H315, Skin Irrit. 2, H317, Skin Sens. 1, H3 Muta. 2, H350i, Carc. 1A, H360, Repr. 1B, H372, STOT RE 1, H41 NiSO 4 Nickelvitriol 01-2119439361-44-xxxx	
	EC No.: Concentration: acc. CLP (GHS):	232-104-9 Indice No.: 028-00 1 - <10 % H317, Skin Sens. 1, H334, Resp. Sens. 1, H341, Muta. 2, H350i, C	
	Aquatic Chronic 1		· · · · · ····
5 ml Dr	üflösung 6		



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	Substance name: CAS No.:	nickel sulfate 7786-81-4			
	Substance rating: Resp. Sens. 1, H34 Formula: Pseudonym (de): REACH Reg. No.:	H302, Acute Tox. 4 oral, H31 1, Muta. 2, H350i, Carc. 1A, H36 NiSO 4 Nickelvitriol 01-2119439361-44-xxxx			, ,
	EC No.: Concentration: acc. CLP (GHS): Aquatic Chronic 1	232-104-9 1 - <10 % H317, Skin Sens. 1, H334, Re	Indice No.: esp. Sens. 1, H341, Mut	028-009-00-5 a. 2, H350i, Carc. 1A, H3	360, Repr. 1B, H410

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 16.2.

SECTION 4: First aid measures

4.1 Description of first aid measures

Place insured person out of danger zone to fresh air immediately. Ensure quiet, warmth, and provide resuscitation if necessary. If necessary contact medical advice. Take to a doctor, in a raised position if there are breathing difficulties.

4.1.1 After SKIN Contact

Remove contaminated clothing immediately. Rinse the affected skin or mucous membrane thoroughly for min. 15 minutes under running water. (If possible) use soap. Avoid neutralisation. Then apply a loose bandage.

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. Administer a Dexamethasone spray as soon as possible. Ensure quiet, warmth, and provide resuscitation if necessary. In the event of respiratory distress ensure that the patient inhales oxygen. Secure the breathing, heart and circulatory function. ---

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

May cause allergy or asthma symptoms or breathing difficulties if inhaled. Chronic effects: Repeated contact, even in small amounts, can lead to sensitization.

CMR Effekte: Suspected of causing genetic defects. May cause cancer. May cause cancer if inhaled. May damage fertility or the unborn child.

4.3 Indication of any immediate medical attention and special treatment needed

After SKIN CONTACT rinse with water for a long time. Apply glucocorticosteroides following inflammatory reactions. Inform patient respectively further measures and the possibility of long-term damages. ---

SECTION 5: Firefighting measures

5.1 Extinguishing media

5.1.1 Suitable extinguishing media

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

5.1.2 Unsuitable extinguishing media no data available

5.2 Special hazards arising from the substance or mixture

DANGER: Highly flammable (GHS regulation). Forms explosive vapour-air mixtures. Formation of hazardous and caustic vapour-air mixtures possible.

5.3 Advice for firefighters

No, for listed product.Product package burns like paper or plastic. Spray any vapours released with water. Retent fire water. Use only acid-resistant safety equipment.

For great amount - if necessary - protective breathing apparatus which is independent of the ambient air (isolated equipment), and sealed protective clothing is necessary in the event of a large-scale formation of toxic substances.



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5.4 Additional information

Danger for environment only in the event of a large-scale leakage or formation of hazardous substances.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Do not breathe vapours. Wear suitable protective gloves (see 8.2.2). Wear eye protection. Regular staff training is necessary, indicating hazards and precautions on the basis of operating instructions. Restrictions on activity must be observed.

6.2 Environmental precautions

PBT: not applicable vPvB: not applicable

6.3 Methods and material for containment and cleaning up

Bind any escaping liquid with inert absorbent. And dispose in accordance to local regulations for the disposal of hazardous chemicals. Clean any contaminated equipment and floors with plenty of water. Collect small amounts of leaked liquid and flush with water into drains.

6.4 Reference to other sections

see information in section 5.4,7,8 and 13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Handling in accordance with the test instruction, that comes with the product. Use only in well-ventilated working areas.

7.2 Conditions for safe storage, including any incompatibilities

Safe storage is guaranteed in the original packaging . Products which are also classified as toxic must be kept under lock and key. Storage class (German chemical industry): see chapter 12.1 **Storage class (VCI):** 3

Water hazard class (DE): 2 Requirements for stock rooms and containers

Keep original product packages tightly closed during handling and storage, so that they are not immediately accessible to outside parties.

7.3 Specific end use(s)

721

Product for analytical use.

SECTION 8: Exposure controls /personal protection

8.1 Control parameters

5 mL Prüflösung 1 Chemical: ethanol		CAS No.: 64-17-5
DNEL: DNEL = Derived No-Effe	[derm] 343 mg/kg; [inh] 950 mg/m³ ect Level (for workers)	CAS NU.: 04-17-5
PNEC (fresh water) : PNEC = Predicted No E	0.96 mg/L ffected Concentration	
TRGS 900 (DE):	200 mL/m³ / 380 mg/m³ E/e respirable	
Short-term exposure factor skin resorptive (H), resp	: 4 (II), Y piratory sensitizable (Sa), skin sensitizable (Sh), teratogenic (Z) no	ot securely excluded / (Y) certainly excluded
SUVA(CH) MAK value: NIOSH: [TWA] Time-weighted av	500 ppm / 960 mg/m³ [TWA] 1000 ppm / 1900 mg/m³ /erage to a reference period of 8 hours, [STEL] Short-term expos	ure limit related to a 15-minute period
OSHA:	[TWA] 1000 ppm / 1900 mg/m³	
Chemical: indicator dy	e(s)	CAS No.: -
5 mL Prüflösung 2		040 N. 04 47 5
Chemical: ethanol DNEL: DNEL = Derived No-Effe	[derm] 343 mg/kg; [inh] 950 mg/m³ ect Level (for workers)	CAS No.: 64-17-5
PNEC (fresh water) : PNEC = Predicted No E	0.96 mg/L ffected Concentration	
TRGS 900 (DE):	200 mL/m³ / 380 mg/m³ E/e respirable	



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	SUVA(CH) MAK value: NIOSH: [TWA] Time-weighted ave	atory sénsitizable (Sa), skin sensitizable (Sh), teratogenic (Z) not securely excluded / (Y) 500 ppm / 960 mg/m³ [TWA] 1000 ppm / 1900 mg/m³ rage to a reference period of 8 hours, [STEL] Short-term exposure limit related to a 15-m	
	OSHA:	[TWA] 1000 ppm / 1900 mg/m³	
	Chemical: indicator dye(s) CAS No.:	
	5 mL Prüflösung 3 Chemical: ethanol DNEL: DNEL = Derived No-Effect		64-17-5
	PNEC (fresh water) : PNEC = Predicted No Effe	cted Concentration	
	TRGS 900 (DE):	200 mL/m³ / 380 mg/m³ E/e respirable	
		4 (II), Y atory sensitizable (Sa), skin sensitizable (Sh), teratogenic (Z) not securely excluded / (Y)) certainly excluded
	SUVA(CH) MAK value: NIOSH: [TWA] Time-weighted ave OSHA:	500 ppm / 960 mg/m ³ [TWA] 1000 ppm / 1900 mg/m ³ rage to a reference period of 8 hours, [STEL] Short-term exposure limit related to a 15-m [TWA] 1000 ppm / 1900 mg/m ³	ninute period
	Chemical: indicator dye(s) CAS No.:	:-
	5 mL Blank (NULL) Chemical: <i>water</i>	CAS No.:	7732-18-5
	5 mL Prüflösung 4 Chemical: nickel sulfate TRGS 900 (DE):	[Ni] 0,005A; [NOAEC] 0,027A mg/m³ E/e respirable	7786-81-4
	SUVA(CH) MAK value: SUVA(CH) BAT value: NIOSH:	8 (II), Y atory sensitizable (Sa), skin sensitizable (Sh), teratogenic (Z) not securely excluded / (Y) 0,05 e mg/m³ U/c,b 45 μg/L Ca TWA 0.015 mg/m³ rage to a reference period of 8 hours, [STEL] Short-term exposure limit related to a 15-m TWA 1 mg/m³	· · ·
	OONA.	TWA T HIGHT	
	5 mL Prüflösung 5 Chemical: nickel sulfate TRGS 900 (DE):	[Ni] 0,005A; [NOAEC] 0,027A mg/m³ E/e respirable	7786-81-4
	SUVA(CH) MAK value: SUVA(CH) BAT value: NIOSH:	atorỳ sénsitizable (Sa), skin sensitizable (Sh), teratogenic (Z) not securely excluded / (Υ) 0,05 e mg/m³ U/c,b 45 μg/L Ca TWA 0.015 mg/m³	
	[TWA] Time-weighted ave OSHA:	rage to a reference period of 8 hours, [STEL] Short-term exposure limit related to a 15-m TWA 1 mg/m ³	iinute period
	5 mL Prüflösung 6 Chemical: nickel sulfate TRGS 900 (DE):	[Ni] 0,005A; [NOAEC] 0,027A mg/m³ E/e respirable	7786-81-4
		atory sensitizable (Sa), skin sensitizable (Sh), teratogenic (Z) not securely excluded / (Y)) certainly excluded
	SUVA(CH) MAK value: SUVA(CH) BAT value: NIOSH:	0,05 e mg/m³ U/c,b 45 μg/L Ca TWA 0.015 mg/m³	
	OSHA:	rage to a reference period of 8 hours, [STEL] Short-term exposure limit related to a 15-m TWA 1 mg/m ³	innute perioa



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8.2 Exposure controls

Good ventilation and extraction system in the room, floor resistant to chemicals with floor drainage and washing facilities. The highest level of cleanliness must be maintained at the workplace.

8.2.1 Respiratory protection

Use for open access of these substances for example a protection filter, class A/AX. No additional recommendations.

8.2.2 Skin protection / Hand protection

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

8.2.3 Eye / Face Protection

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

8.2.4 Skin protection

Recommended to avoid contamination with these hazards.

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.

8.2.6 Thermal hazards

no data available 8.3 Limitation and monitoring of environmental exposure

Do not release product into environment.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

5 mL Prüflösung 1

a) State of aggregation:	
b) Colour:	colourless
c) Odor:	red
d) Melting point:	no data available
e) Boiling point:	no data available
f) Flammability:	no data available
g) Explosive limits (lower / upper):	no data available
h) Flash point:	18 °C
i) Flashing temperature:	no data available
j) Decomposition temperature:	no data available
k) pH value:	no data available
I) Kinematic viscosity:	no data available
m) Solubility in water:	no data available
n) Dispersion coefficient (o/w):	no data available
o) Vapour pressure (20°C):	no data available
p) Specific gravity:	no data available
q) Relative vapour density (air=1):	no data available
r) Particle size:	no data available

5 mL Prüflösung 2

a) State of aggregation:	
b) Colour:	colourless
c) Odor:	red
d) Melting point:	no data available
e) Boiling point:	no data available
f) Flammability:	no data available
g) Explosive limits (lower / upper):	no data available
h) Flash point:	18 °C
i) Flashing temperature:	no data available
j) Decomposition temperature:	no data available
k) pH value:	no data available
 Kinematic viscosity: 	no data available
m) Solubility in water:	no data available
n) Dispersion coefficient (o/w):	no data available
o) Vapour pressure (20°C):	no data available
p) Specific gravity:	no data available
q) Relative vapour density (air=1):	no data available
r) Particle size:	no data available



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Safety Data Sheet

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

REF: 925703 Printing date: 22.11.2022 NANOCONTROL NANOCHECK 2.0 Date of issue: 19.04.2022

> colourless red

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<pre>5 mL Prüflösung 3 a) State of aggregation: b) Colour: c) Odor: d) Melting point: e) Boiling point: f) Flammability: g) Explosive limits (lower / upper): h) Flash point: i) Flashing temperature: j) Decomposition temperature: k) pH value: l) Kinematic viscosity: m) Solubility in water: n) Dispersion coefficient (o/w): o) Vapour pressure (20°C): p) Specific gravity: q) Relative vapour density (air=1): r) Particle size:</pre>	
<pre>5 mL Blank (NULL) a) State of aggregation: b) Colour: c) Odor: d) Melting point: e) Boiling point: f) Flammability: g) Explosive limits (lower / upper): h) Flash point: i) Flashing temperature: j) Decomposition temperature: k) pH value: l) Kinematic viscosity: m) Solubility in water: n) Dispersion coefficient (o/w) : o) Vapour pressure (20°C): n) Specific gravity:</pre>	

p) Specific gravity:

- q) Relative vapour density (air=1):
- r) Particle size:

5 mL Prüflösung 4
a) State of aggregation:
b) Colour:
c) Odor:
d) Melting point:
e) Boiling point:
f) Flammability:
g) Explosive limits (lower / upper):
h) Flash point:
 Flashing temperature:
j) Decomposition temperature:
k) pH value:
 Kinematic viscosity:
m) Solubility in water:
n) Dispersion coefficient (o/w):
o) Vapour pressure (20°C):
p) Specific gravity:

- q) Relative vapour density (air=1):
- r) Particle size:

no data available no data available no data available no data available 18 °C no data available colourless red

no data available 6-8 no data available no data available

colourless red no data available no data available



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5 mL Prüflösung 5			
a) State of aggregation: b) Colour:	colourless		
c) Odor:	red		
d) Melting point:	no data available		
e) Boiling point:	no data available		
f) Flammability:	no data available		
	no data available		
g) Explosive limits (lower / upper): h) Flash point:	no data available		
i) Flashing temperature:	no data available		
j) Decomposition temperature:	no data available		
k) pH value:	no data available		
I) Kinematic viscosity:	no data available		
m) Solubility in water:	no data available		
n) Dispersion coefficient (o/w) :	no data available		
o) Vapour pressure (20°C):	no data available		
	no data available		
p) Specific gravity:	no data available		
q) Relative vapour density _(air=1) : r) Particle size:	no data available		
I) Falticle size.			
5 mL Prüflösung 6			
 a) State of aggregation: 			
b) Colour:	colourless		
c) Odor:	red		
d) Melting point:	no data available		
e) Boiling point:	no data available		
f) Flammability:	no data available		
g) Explosive limits (lower / upper):	no data available		
h) Flash point:	no data available		
i) Flashing temperature:	no data available		
j) Decomposition temperature:	no data available		
k) pH value:	no data available		
 Kinematic viscosity: 	no data available		
m) Solubility in water:	no data available		
n) Dispersion coefficient (o/w):	no data available		
o) Vapour pressure (20°C):	no data available		
 p) Specific gravity: 	no data available		
q) Relative vapour density _(air=1) : r) Particle size:	no data available		

9.2 Other information

No data is available for the other parameters for the mixtures, since no registration and no chemical safety report is required. Properties relevant to substance groups Substances are highly volatile and form flammable gas-air mixtures.

SECTION 10: Stability and reactivity

10.1 Reactivity

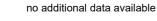
no further data available.

- 10.2 **Chemical stability** no known instability.
- 10.3 Possibility of hazardous reactions No further data available.

10.4 Conditions to avoid

Observe the storage temperature printed on it. No more required.

10.5 Incompatible materials





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Software: M2 V 6.0.20.60



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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 the hazard classes according regulation (EC) 1272/2008

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

0	•	
5 mL Prüflösung 1		
Chemical:	ethanol	CAS No.: 64-17-5
TSCA Inventory: ACGIH:	listed	California Proposition 65 List: not listed
Exposure Routes:	1000 ppm	n, skin and/or eye contact
Target Organs:	Eves skin respirat	tory system, central nervous system, liver, blood, reproductive system
Symptoms:		, nose; headache, drowsiness, lassitude (weakness, exhaustion), narcosis; cough;
	a; reproductive, teratogenic	,,
Australia NICNAS:	not listed	Canada CEPA 1999: DSL yes
Japan CSCL/PRTR:	not listed, Japan P	DSCL: not listed
Japan ISHL:		6, Article 57-2 (SDS required)
South Korea TCCA:	not listed	
Korea Exist.Chem.In	,	
LD50 _{orl rat} : LC_Low _{ihl gpg} :	6200 mg/kg 21,900 mg/L	
LC LOW orl hmn :	1400 mg/kg	
LC50 ihl mus :	123,4 mg/L/4H	
LC50 ihl rat :	115,9-133,8 mg/L/4	4H
LD50 orl mus :	3450 mg/kg	
	0.0	
TRGS 905 (DE):	K5, M5, R _F C	
Chamical	indicator dua(a)	CAS No.: -
Chemical: TSCA Inventory:	<i>indicator dye(s)</i> all listed, <1%	CA3 NU
TOOR Inventory.		
5 mL Prüflösung 2		
Chemical:	ethanol	CAS No.: 64-17-5
TSCA Inventory:	listed	California Proposition 65 List: not listed
ACGIH:	1000 ppm	
Exposure Routes:		n, skin and/or eye contact
Target Organs:		tory system, central nervous system, liver, blood, reproductive system
Symptoms:	a; reproductive, teratogenic	, nose; headache, drowsiness, lassitude (weakness, exhaustion), narcosis; cough;
Australia NICNAS:	not listed	Canada CEPA 1999: DSL yes
Japan CSCL/PRTR:	not listed, Japan P	
Japan ISHL:		6, Article 57-2 (SDS required)
South Korea TCCA:	not listed	
Korea Exist.Chem.In	ventory: KE-13217	
LD50 _{orl rat} :	6200 mg/kg	
LC_Low ihl gpg :	21,900 mg/L	
LC_LOW orl hmn :	1400 mg/kg	
LC50 _{ihl mus} : LC50 _{ihl rat} :	123,4 mg/L/4H 115,9-133,8 mg/L/4	
LD50 orl mus :	3450 mg/kg	+Π
LDOV on mus .	5450 mg/kg	
TRGS 905 (DE):	K5, M5, R _F C	
Chamical	indiantar duc (-)	
Chemical:	<i>indicator dye(s)</i> all listed, <1%	CAS No.: -
TSCA Inventory:		
5 mL Prüflösung 3		
Chemical:	ethanol	CAS No.: 64-17-5
TSCA Inventory:	listed	California Proposition 65 List: not listed
ACGIH:	1000 ppm	
Exposure Routes:		n, skin and/or eye contact
Target Organs:		tory system, central nervous system, liver, blood, reproductive system



Symptoms:

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irritation eyes, skin, nose; headache, drowsiness, lassitude (weakness, exhaustion), narcosis; cough;



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Australia Japan C Japan IS South K Korea E LD50 orl LC_Low LC50 ihl LD50 orl TRGS 9 Chemica TSCA In Korea E LD50 orl 5 mL BI Chemica TSCA In Korea E LD50 orl 5 mL Pr Chemica TSCA In Korea E LD50 orl 5 mL Pr Chemica TSCA In Exposur Target C Symptor Japan IS Korea E LD50 orl Exposur Target C Symptor Japan IS Korea E LD50 orl Exposur Target C Symptor Japan IS Korea E LD50 orl Exposur Target C Symptor Japan S Korea E LD50 orl Symptor Japan S Korea E LD50 orl Symptor Chemica Symptor Chemica Symptor Chemica Symptor Chemica Symptor Chemica Symptor Chemica Symptor Chemica Symptor Chemica Symptor Japan S Korea E LD50 orl Symptor Japan S Korea E LD50 orl Symptor Japan S Korea E LD50 orl Symptor Japan S Korea E LD50 orl Symptor Chemica Symptor Symptor Symptor Chemica Symptor Symptor Chemica Symptor Chemica Symptor Symptor Chemica Symptor Chemica Symptor Chemica Symptor Chemica Symptor Chemica Symptor Chemica Symptor Symptor Chemica Symptor Chemica Symptor Symptor Chemica Symptor Chemica Symptor Chemica Symptor Chemica Symptor Chemica Symptor Chemica Symptor Symptor Chemica Symptor Symptor Chemica Symptor S	hage; anemia; repro NICNAS: SCL/PRTR: HL: brea TCCA: kist.Chem.Inventory rat: ihl gpg : orl hmn : mus : art: mus : 25 (DE): il: indica ventory: kist.Chem.Inventory rat : iffösung 4 il: nicke ventory: e Routes: rgans: ns: SCL/PRTR: HL: kist.Chem.Inventory	oductive, teratogenic not listed not listed, Japan PDSC listed ≥0,1%/≥0,1%, Ar not listed y: KE-13217 6200 mg/kg 21,900 mg/L 1400 mg/kg 123,4 mg/L/4H 115,9-133,8 mg/L/4H 3450 mg/kg K5, M5, R F C ator dye(s) all listed, <1% r listed y: KE-35400 > 90000 mg/kg	CAS No.: 7732-18-5 CAS No.: 7732-18-5 CAS No.: 7786-81-4 California Proposition 65 List: listed cancer
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5 mL BI Chemica TSCA In Korea E LD50 orl 5 mL Pr Chemica TSCA In Exposur Target C Symptor Japan C Japan IS Korea E LD50 orl Exposur Target C Symptor Japan C Japan S Korea E Chronic sympton Carcinog or the ur EU carc TRGS 9 TRGS 9	ank (NULL) II: water ventory: kist.Chem.Inventory rat : üflösung 4 II: nicke ventory: e Routes: lorgans: ns: SCL/PRTR: HL: kist.Chem.Inventory	r listed y: KE-35400 > 90000 mg/kg el sulfate listed (0 inhalation, ingestion, sl Nasal cavities, lungs, s sensitization dermatitis PRTR: ≥0,1% specific (listed ≥0,1%/≥0,1%	CAS No.: 7786-81-4 California Proposition 65 List: listed cancer skin and/or eye contact skin; [lung and nasal cancer] s, allergic asthma, pneumonitis; [potential occupational carcinogen]
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Jápan C Japan IS Korea E LD50 orl Exposur Acute Ef Chronic sympton Carcinog or the ur EU carc TRGS 9 TRGS 9	SCL/PRTR: HL: kist.Chem.Inventory	PRTR: ≥0,1% specific listed ≥0,1%/≥0,1%	class I, Japan PDSCL: not listed
Japan IS Korea E LD50 _{orl} Exposur A Acute Ef Chronic sympton Carcinog or the ur EU carc TRGS 9 TRGS 9 5 mL Pr Chemica	HL: kist.Chem.Inventory	listed ≥0,1%/≥0,1%	
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LD50 _{orl} Exposur A Acute Et Chronic sympton Carcinog or the ur EU carci TRGS 9 TRGS 9 5 mL Pr Chemica	tiot. on on on on on on on on one		dic 2010-1-609
Exposur A Acute El Chronic sympton Carcinog or the ur EU carci TRGS 9 TRGS 9 5 mL Pr Chemica		264 mg/kg	
Acute Ef Acute Ef Chronic symptom Carcinog or the ur EU carc TRGS 9 TRGS 9 5 mL Pr Chemica		(ERR) for respirable dus	st :
Acute Ef Chronic sympton Carcinog or the ur EU carc TRGS 9 TRGS 9 5 mL Pr Chemica	olerance concentra	· / ·	
Chronic sympton Carcinog or the ur EU carc TRGS 9 TRGS 9 5 mL Pr Chemica		tration: [Ni] 0,001A ppn	
sympton Carcinog or the ur EU carc TRGS 9 TRGS 9 5 mL Pr Chemica	fects: Cause after s	skin contact, impairments	s of health when ingested in small quantities.
sympton Carcinog or the ur EU carc TRGS 9 TRGS 9 5 mL Pr Chemica	Effects: May cause	e sensitization by skin con	ntact, also in repeated contact of small amounts. May cause allergy or asth
or the ur EU carc TRGS 9 TRGS 9 5 mL Pr Chemica	ns or breathing diffic	culties if inhaled.	
EU carc TRGS 9 TRGS 9 5 mL Pr Chemica	enic Effects: Suspe	ected of causing genetic	defects. May cause cancer. May cause cancer if inhaled. May damage fer
TRGS 9 TRGS 9 5 mL Pr Chemica	born child.		
TRGS 9 5 mL Pr Chemica		Carcinogenicity cat. 1A	A, Germ Cell Mutagenicity cat. 2, Reproductive Toxicity cat. 1B
5 mL Pr Chemica		K 1	
Chemica	07 (DE):	Sah	
	üflösung 5		
I SCA In		el sulfate	CAS No.: 7786-81-4
	ventory:		California Proposition 65 List: listed cancer
	e Routes:	inhalation, ingestion, sl	
Target C			skin; [lung and nasal cancer]
Symptor			s, allergic asthma, pneumonitis; [potential occupational carcinogen]
	SCL/PRTR:		class I, Japan PDSCL: not listed
Japan IS		listed ≥0,1%/≥0,1%	via 2010 1 600
		y: KE-25867, >0.1% Toxi	
LD50 orl Exposur		264 mg/kg (ERR) for respirable dus	et ·
	olerance concentra		
	cceptance concentration		
			s of health when ingested in small quantities.
			ntact, also in repeated contact of small amounts. May cause allergy or asth
			made, also in repeated contact of small amounts. May bause anorgy of astr
			defects. May cause cancer. May cause cancer if inhaled. May damage fer
	ns or breathing diffic	saasing genetier	may cauce cancer may cauce cancer in initiation. May admage for
EU carc	ns or breathing diffic		
	ns or breathing diffic jenic Effects: Susp born child.	Carcinogenicity cat. 1A	A, Germ Cell Mutagenicity cat. 2, Reproductive Toxicity cat. 1B



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

REF: 925703		NANOCONTROL NANOCHECK 2.0	Page: 15/20
rinting date	: 22.11.2022	Date of issue: 19.04.2022	Version: 2.2.2.
		K 1 Sah	
	11(00 907 (DE).	Jail	
	5 mL Prüflösung 6		
	Chemical: nickel su		No.: 7786-81-4
	- ,	isted California Proposition 65 List: listed cancer nhalation, ingestion, skin and/or eve contact	
		Nalation, ingestion, skin and/or eye contact Nasal cavities, lungs, skin; [lung and nasal cancer]	
		sensitization dermatitis, allergic asthma, pneumonitis; [potential o	ccupational carcinogen]
	Japan CSCL/PRTR: F	PRTR: ≥0,1% specific class I, Japan PDSCL: not listed	
		isted ≥0,1%/≥0,1% KE-25867, >0.1% Toxic 2010-1-609	
		264 mg/kg	
	Exposure Risk Relationship (E	RR) for respirable dust :	
	Tolerance concentratio		
	Acceptance concentrat	ion: [Ni] 0,001A ppm o contact, impairments of health when ingested in small quantities	
		nsitization by skin contact, also in repeated contact of small amo	
	symptoms or breathing difficult	ties if inhaled.	
		ed of causing genetic defects. May cause cancer. May cause car	ncer if inhaled. May damage fertili
	or the unborn child. EU carcinogen: 0	Carcinogenicity cat. 1A, Germ Cell Mutagenicity cat. 2, Reproduc	tive Toxicity cat 1B
	0	1	
		Sah	
.2 0	ther hazards		
	Possible endocrine disrupting	ng effects	
	no data available		
	Other information		
	no additional data available		
ECTION	no additional data available	rmation	
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2.1 To	no additional data available N 12: Ecological infor exicity		
2.1 To	no additional data available N 12: Ecological infor oxicity ollowing information is valid for		
2.1 To	no additional data available N 12: Ecological infor oxicity blowing information is valid for 5 mL Prüflösung 1	r pure substances.	No [.] 64-17-5
2.1 To	no additional data available N 12: Ecological infor oxicity bilowing information is valid for 5 mL Prüflösung 1 Chemical: ethanol	r pure substances. CAS I	No.: 64-17-5
2.1 To	no additional data available N 12: Ecological infor oxicity blowing information is valid for 5 mL Prüflösung 1 Chemical: ethanol PNEC (fresh water): PNEC = Predicted No Effected Concer	r pure substances. 0.96 mg/L ntration	No.: 64-17-5
2.1 To	no additional data available N 12: Ecological infor oxicity ollowing information is valid for 5 mL Prüflösung 1 Chemical: ethanol PNEC (fresh water): PNEC = Predicted No Effected Concel LC50 daphnia magna/48h :	r pure substances. CAS t 0.96 mg/L ntration >100 mg/L	No.: 64-17-5
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2.1 To	no additional data available N 12: Ecological infor oxicity ollowing information is valid for 5 mL Prüflösung 1 Chemical: ethanol PNEC (fresh water): PNEC = Predicted No Effected Concel LC50 daphnia magna/48h :	r pure substances. CAS t 0.96 mg/L ntration >100 mg/L	No.: 64-17-5
2.1 To	no additional data available N 12: Ecological infor Dilowing information is valid for 5 mL Prüflösung 1 Chemical: ethanol PNEC (fresh water) : PNEC = Predicted No Effected Concer LC50 daphnia magna/48h : LC50 pimephales promelas/96h : LC50 leuciscus idus/96h : LC50 fish/96h : EC50 daphnia/48h :	CAS N 0.96 mg/L ntration >100 mg/L 13400 - 15100 mg/L [48h] 8140 mg/L 13 g/L 9.3-14.2 g/L	No.: 64-17-5
2.1 To	no additional data available N 12: Ecological infor oxicity ollowing information is valid for 5 mL Prüflösung 1 Chemical: ethanol PNEC (fresh water): PNEC = Predicted No Effected Concer LC50 daphnia magna/48h : LC50 pimephales promelas/96h : LC50 pimephales promelas/96h : LC50 leuciscus idus/96h : LC50 daphnia/48h : IC50 scenedesmus quadricauda/72h	CAS N 0.96 mg/L ntration >100 mg/L 13400 - 15100 mg/L [48h] 8140 mg/L 13 g/L 9.3-14.2 g/L : [7d] 5000 mg/L	No.: 64-17-5
2.1 To	no additional data available N 12: Ecological infor oxicity blowing information is valid for 5 mL Prüflösung 1 Chemical: ethanol PNEC (fresh water): PNEC = Predicted No Effected Concer LC50 daphnia magna/48h : LC50 pimephales promelas/96h : LC50 pimephales promelas/96h : LC50 leuciscus idus/96h : LC50 daphnia/48h : IC50 scenedesmus quadricauda/72h EC10 pseudomonas putita/16h :	CAS N 0.96 mg/L ntration >100 mg/L 13400 - 15100 mg/L [48h] 8140 mg/L 13 g/L 9.3-14.2 g/L : [7d] 5000 mg/L [EC5] 6500 mg/L	No.: 64-17-5
2.1 To	no additional data available N 12: Ecological infor Dilowing information is valid for 5 mL Prüflösung 1 Chemical: <i>ethanol</i> PNEC (fresh water): PNEC = Predicted No Effected Concer LC50 daphnia magna/48h : LC50 pimephales promelas/96h : LC50 gimephales promelas/96h : LC50 leuciscus idus/96h : LC50 daphnia/48h : IC50 scenedesmus quadricauda/72h EC10 pseudomonas putita/16h : Water hazard class (DE): Dispersion coefficient (o/w) :	CAS N 0.96 mg/L ntration >100 mg/L 13400 - 15100 mg/L [48h] 8140 mg/L 13 g/L 9.3-14.2 g/L : [7d] 5000 mg/L [EC5] 6500 mg/L	No.: 64-17-5
2.1 To	no additional data available N 12: Ecological infor oxicity ollowing information is valid for 5 mL Prüflösung 1 Chemical: ethanol PNEC (fresh water): PNEC = Predicted No Effected Concel LC50 daphnia magna/48h : LC50 jimephales promelas/96h : LC50 daphnia/48h : LC50 gish/96h : EC50 daphnia/48h : IC50 scenedesmus quadricauda/72h EC10 pseudomonas putita/16h : Water hazard class (DE):	CAS N 0.96 mg/L ntration >100 mg/L 13400 - 15100 mg/L [48h] 8140 mg/L 13 g/L 9.3-14.2 g/L : [7d] 5000 mg/L [EC5] 6500 mg/L 1 WGK No.: 0096	No.: 64-17-5
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	Water hazard class (DE): Dispersion coefficient _(o/w) : Storage class (VCI):	1 WGK No.: 0096 -0,31 3		
	Chemical: indicator of Storage class (VCI):	/ye(s) 12-13	CAS No.: -	
	5 mL Prüflösung 3 Chemical: <i>ethanol</i> PNEC (fresh water) : PNEC = Predicted No Effected Concentr	0.96 mg/L ation	CAS No.: 64-17-5	
	LC50 daphnia magna/48h : LC50 pimephales promelas/96h : LC50 leuciscus idus/96h : LC50 fish/96h : EC50 daphnia/48h : IC50 scenedesmus quadricauda/72h :	>100 mg/L 13400 - 15100 mg/L [48h] 8140 mg/L 13 g/L 9.3-14.2 g/L [7d] 5000 mg/L		
	EC10 pseudomonas putita/16h : Water hazard class (DE): Dispersion coefficient (o/w) : Storage class (VCI):	[EC5] 6500 mg/L 1 WGK No.: 0096 -0,31 3		
	Chemical: indicator of Storage class (VCI):	/ye(s) 12-13	CAS No.: -	
	5 mL Blank (NULL) Chemical: water		CAS No.: 7732-18-5	
	5 mL Prüflösung 4 Chemical: nickel sulf Water hazard class (DE): Storage class (VCI):	ate 2 6.1 D	CAS No.: 7786-81-4	
	5 mL Prüflösung 5 Chemical: nickel sulf Water hazard class (DE): Storage class (VCI):	ate 2 6.1 D	CAS No.: 7786-81-4	
	5 mL Prüflösung 6 Chemical: nickel sulf Water hazard class (DE): Storage class (VCI):	ate 2 6.1 D	CAS No.: 7786-81-4	
12.2	Persistence and degradabil	ity		
2.3	Bioaccumulative potential not necessary			
2.4	Mobility in soil not necessary			
2.5	Results of PBT and vPvB as This substance/mixture contains no c and very bioaccumulative (vPvB) at le	omponents considered to be either persistent, bio	accumulative and toxic (PB	Γ) or very persistent
2.6	Endocrine disrupting prope no data available	-		
12.7	Other adverse effects			





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SECTION 13: Disposal considerations

Please observe local regulations for collection and disposal of hazardous waste and contact waste disposal company, where you will obtain information on laboratory waste disposal (waste code number 16 05 06). Close container tightly.

13.1 Waste treatment methods

SECTION 14: Transport information

3316 pping r 9			II		
M11 acc. A	DR 3.3			E leclaration for transpo	rtation
960 960 DG					
	-P	Storage category	: A		
xcepte	d Quar	ntities (≤30 mL/∑≤	,		s (ethanol mixture)
3			II		
F1 1 L E 2	104				
	E 2 353 364	Storage c	ategory:	max. weight PAX: max. weight CAO: B	5 L 60 L
	Pping r 9 1 acc. A 960 960 DG F-A, S eclarati xcepter 1993 3 F1 1 L E 2	pping name: 9 14.4. M11 acc. ADR 3.3 960 960 DG F-A, S-P eclaration for xcepted Quar 1993 14.2 3 14.4 F1 1 L E 2 LQ 4 E 2 353 364	pping name: Chemical Kit 9 14.4. Packing group: M11 Tunnel restriction acc. ADR 3.3.1/251: see LQ in A 960 max. weight PAX 960 max. weight PAX 960 max. weight CAC 967 F-A, S-P Storage category eclaration for transportation: xcepted Quantities (≤30 mL/∑≤! 1993 14.2 UN proper shippi 3 14.4 Packing group: F1 Tunnel re: E 2 12 Special in LQ 4 E 2 353 364	pring name:Chemical Kit914.4.Packing group:IIM11Tunnel restriction code:acc. ADR 3.3.1/251: see LQ in Alternative of960max. weight PAX:10 KG960max. weight CAO:10 KG960scalarweight CAO:10 KG960max. weight CAO:10 KG960scalarscalar960scalarscalar960max. weight CAO:10 KG960scalarscalar960scalarscalar960scalarscalar960scalarscalar960scalarscalar199314.2UN proper shipping name:1scalarscalar1scalarscalar1scalarscalar1scalarscalar1scalarscalar1scalarscalar1scalarscalar1scalarscalar1scalarscalar1scalarscalar1scalarscalar1scalarscalar1scalarscalar1 </td <td>Prior prior prior prior prior prior prior prior prior priorChemical Kit prior prior prior prior prior prior prior prior prior prior prior prior <br <="" td=""/></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></br></td>	Prior prior prior prior prior prior prior prior prior priorChemical Kit prior

14.5 Environmental hazards

none, contains only small quantities of hazardous substances, contains only small amounts of these substances

- 14.6 Special precautions for user not necessary
- 14.7 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

Chemicals Prohibition Ordinance - (DE: ChemVerbotsV), aktualisiert Jan 2017

- Dangerous Substances Protection Act (DE: Chemikaliengesetz ChemG), Aug 2013, Stand: Okt 2020
- Ordinance on protection against dangerous substances (E: Gefahrstoffverordnung GefStoffV), Nov 2010, Stand: Mrz 2017
- TRGS 201, Classification and labeling of activities involving hazardous substances, Feb 2017
- TRGS 220, National aspects when preparing safety data sheets, Jan 2017
- TRGS 400, Risk assessment for activities involving hazardous substances, Jul 2017
- TRGS 401, Skin contact hazard identification, assessment, action, Jun 2008, status: Feb 2011

BekGS 408, Application of the GefStoffV and the TRGS with the entry into force of the CLP regulation, December 2009, status: Jan 2012

Wasserhaushaltsgesetz - WHG, Section 3 Handling substances hazardous to water, Jul 2009, status: Aug 2016

TRGS 561, Activities involving carcinogenic metals and their compounds, Oct 2017

- MN leaflet/instructions for use, also at www.mn-net.com
- If necessary, observe other country-specific regulations.



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REF: 925703 NANOCONTROL NANOCHECK 2.0 Page: 18/20 Printing date: 22.11.2022 Date of issue: 19 04 2022 Version: 2.2.2.2 15.2 Chemical safety assessment not necessary for these small amounts SECTION 16: Other information 16.1 Changes compared to the last version in preparation 16.2 List of H and P phrases 16.2.1 List of relevant H phrases H225 Highly flammable liquid and vapour. May cause an allergic skin reaction. H317 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. Suspected of causing genetic defects. H341 H350i May cause cancer if inhaled. H360 May damage fertility or the unborn child. Very toxic to aquatic life with long lasting effects. H410 16.2.2 List of relevant P phrases Obtain special instructions before use. P201 P261sh Avoid breathing dust/vapours. P280sh Wear protective gloves/eye protection. P304+340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P308+313 IF exposed or concerned: Get medical advice/attention. P342+311 If experiencing respiratory symptoms: Call a POISON CENTER/doctor. P405 Store locked up. 16.3 Recommended restriction on use Only for professional user.

Look about employee restrictions for young people (f. ex. 94/33/EC or DE § 22 JArbSchG)! Look about employee restrictions for pregnant women and nursing women (f.ex. 92/85/EEC or for DE §§ 11-13 MuSchG 2017)! An individual package of this product or test kit has a moderate hazardous potential.

16.4 Sources of key data

KÜHN, BIRETT leaflets on dangerous working materials

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

Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens or mutagens at workSUVA .CH, limit values in the air at work 2009, revised on 01/2009

Regulation 790/2009/EU Adaptation of the CLP Regulation 1272/2008/EU to technical and scientific progress

Regulation 453/2010/EU REACH – REQUIREMENTS FOR THE PREPARATION OF SAFETY DATA SHEET

TRGS 907, German engineering rules for listing substances and causes of sensitization, updated November 2011Regulation 487/2013/EU, 4. Adaptation of the CLP regulation to technical and scientific progress

TRGS 905, German engineering rules for carcinogenic and mutagenic substances, as of March 18, 2016Regulation 669/2018/EU, 4. Adaptation of the CLP regulation to technical and scientific progress

Regulation 1480/2018/EU, 4. Adaptation of the CLP regulation to technical and scientific progress

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

Regulation 878/2020/EU

Regulation 849/2021/EU, 4. Adaptation of the CLP regulation to technical and scientific progress

Revisions/Updates

Reason for revision:

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

- 2014-04 Adjustment of Regulation 487/2013/EU
- 2016-03 Adjustment of Regulation 1221/2015/EU
- 2017-08 Adaptation of the new ethanol denaturation 2016/1867/EU
- 2017-11 adaptation of the ECHA registration dossier
- 2022-11 Adjustment of Regulation 878/2020/EU

16.5 Further information

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16.6	Legend /	Abbreviations	
	acc:	according	
	ADR:	Convention concerning the International Carriage of Dangerous Goods by Road	
	Act:		
	BAT:	biological workplace tolerance value	
	CAO:	Cargo Aircraft Only	
	Carc: CAS:	carcinogen Chemical Abstracts Service	
	CAS. CLP:	Classification, Labelling and Packaging regulation	
	CMR:	carcinogen, mutagen, reproduction toxic	
	Corr:	corrosive	
	COD:	chemical oxigen demand	
	CSCL:	Chemical Substance Control Law (Jp)	
	Dam:	damage	
	DNEL:	Derived No-Effect Level (for workers)	
	derm:	dermal	
	dog:	dog	
	EC10:	Concentration causing a toxic effect in 10% of the test organisms	
	EC:	European Community	
	EC-Nr:	Substance number of the EC substance inventory	
	EmS:	Guide to accident management measures on ships	
	EU:	European Union	
	fish:	fish (not spezified)	
	GHS:	Global Harmonized System of Classification and Labeling of Chemicals	
	gpg:	guinea pig	
	ICAO:	International Civil Aviation Organization inhaled	
	ihl: IMDG:	Infraed International Maritime Dangerous Goods Code	
	intrav:	intravenous	
	ipt:	intraperitonaeal	
	ISHL:	Industrial Safety and Health Law (Jp)	
	LC50:	letale concentration 50%	
	LD50:	letale dosis 50%	
	leuciscus id		
	MAK:	maximum workplace concentration	
	Met:	Metall	
	mus:	mouse	
	Muta:	mutagen	
	NIOSH:	National Institute for Occupational Safety and Health (US)	
	NRD:	Non-rapidly degradable	
	onchorhync	hus mykiss: fish, rainbow trout	
	orl:	oral	
	OSHA:	Occupational Safety and Health Administration	
	PAX:	transport on passenger planes allowed	
	PBT:	persistent, bioaccumulating, toxic substance	
	pH:	pH value	
	pimephales		
	PNEC:	Predicted No Effected Concentration	
	PROC 15:	Process category 'for laboratory use'	
	PRTR: PVC:	Law for PRTR and Promotion of Chemical Management (Jp)	
		polyvinyl chloride	
	quail: rat:	bird, quail rat	
	rbt:	rabbit	
	RD:	rapidly degradable	
	RE:	repeated	
	REACh:	Registration, Evaluation, Authorisation and Restriction of Chemicals	
	REF:	item number, reference number	
	Reg.No.:	rRegistration number	
	Repr:	harmful to reproduction	
	Resp:	respiratory	
	RIP:	REACH Implementations Projects	
	scu:	sub cutan	
	SDS:	safety data sheet	
	Sens:	sensitisation	
	STEL:	short term exposure limit	
	STOT:	Specific Target Organ Toxicity	
	SVHC:	Substance of Very High Concern	
	t/a:	tons per year	



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CHEREY-NAGE MA



Safety Data Sheet

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

REF: 925703	NANOCONTROL NANOCHECK 2.0	Page: 20/20
Printing date: 22.11.2022	Date of issue: 19.04.2022	Version: 2.2.2.2

TCCA: Toxic Chemicals Control Act (S. Korea) Tox: TSCA: toxic

The Toxic Substances Control Act (US)

time weighted average TWA:

TRGS: technical regulations (DE)

vPvB: very persistent, very bioaccumulating substance

16.7 **Training advice**

Regular safety training. Multiple safety training of staffs about danger and protection by using hazards in working area. Additionally training and introduction of staffs for using these products.



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