# CHEREY-NAGE



# Safety Data Sheet

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

REF: 918973	NANOCOLOR Amidosulphuric acid 25 g	Page: 1/9
Printing date: 22.11.2022	Date of issue: 02.08.2022	Version: 2.2.2.2

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

1.1	Product identifier

REF 918973 no data available NANOCOLOR Amidosulphuric acid 25 g 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 25 g Amidosulfonic acid

### 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. Carl Roth GmbH + Co KG <a href="http://www.mn-net.com/SDS">http://www.mn-net.com/SDS</a> 99089 Erfurt tel. +49 361 730 730, <https://www.ggiz-erfurt.de>

You find our current versions of SDS in Internet:

76185 Karlsruhe, Germany +49 721 5606 0 sicherheit@carlroth.de

# **SECTION 2: Hazard identification**

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

	GHS07
Signal word	WARNING
Hazard identification	Hazard classes/categories
H315	Skin Irrit. 2
H319	Eye Irrit. 2
H412	Aquatic Chronic 3

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

25 g Amidosulfonic acid





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- CH Tel.: +41 62 388 55 00 sales-ch@mn-net.com
- FR Tel.: +33 388 68 22 68 sales-fr@mn-net.com
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# according to Regulations 1907/2006/EC (REACh) and 2015/830/EU

Eye Irrit. 2

Aquatic Chronic 3

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:	Signal word	WARNING	
Haza	ard identification	Hazard classes/categories	
H315	5	Skin Irrit. 2	

List of H phrases: see section 16.2

H319

H412

### 2.2 Label elements according regulation (EC) 1272/2008

According **CLP directive** inner packages must be only labelled with GHS symbol(s) and product identificator(s) (EU 1272/2008 Annex I - 1.5.1.2). Harmful chemicals/mixtures with signal word: **WARNING** must not be labelled with H and P phrases **until 125 mL** (EU 1272/2008 Annex I - 1.5.2).

25 g Amidosulfonic acid



Signal word: WARNING H412 Harmful to aquatic life with long lasting effects.

### Label elements of the complete product



Signal word: WARNING H412 Harmful to aquatic life with long lasting effects.

### 2.3 Other hazards

**Possible hazards from physicochemical properties** In the case of pH values are less than 5 or higher than 9 then it is irritant.

Information pertaining to particular risks to human and possible symptoms

 Information pertaining to particular risks to the environment

 Harmful to aquatic life with long lasting effects. Avoid contact of substance/mixture to 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

25 g An	nidosulfonic acid Substance name: CAS No.:	aminosulfonic acid (sulfamic acid) 5329-14-6		
	Substance rating: Formula: Pseudonym (de): REACH Reg. No.:	H315, Skin Irrit. 2, H319, Eye Irrit. 2 H <sub>3</sub> NO <sub>3</sub> S; NH <sub>2</sub> -SO <sub>3</sub> H Amidosulfonsäure 01-2119488633-28-xxxx	, H412, Aquatic Chron	ic 3
	EC No.:	226-218-8	Indice No.:	016-026-00-0
	Concentration:	90 - <100 %		
	acc. CLP (GHS):	H315, Skin Irrit. 2, H319, Eye Irrit. 2	, H412, Aquatic Chron	ic 3



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 DE
 Tel.: +49 24 21 969-0
 info@mn-net.com

 CH
 Tel.: +41 62 388 55 00
 sales-ch@mn-net.com

 FR
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### 3.3 Remarks

When not listed, mixtures are added with water [CAS No. 7732-18-5] to 100%.List of H and P phrases: see section 16.2.

## **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.

### 4.1.1 After SKIN Contact

Remove contaminated clothing. Rinse the affected skin or mucous membrane thoroughly under running water. (If possible) use soap.

### 4.1.2 After EYE Contact

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

# 4.1.3 After INHALATION of vapours After inhalation of foam or vapour fresh air should be inhaled. Keep airways free. -- 4.1.4 After ORAL Intake

After oral intake lots of water should be drunk after it has been ingested.

4.2 Most important symptoms and effects, both acute and delayed

4.3 Indication of any immediate medical attention and special treatment needed

# **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 Formation of hazardous and caustic vapour-air mixtures possible.

## 5.3 Advice for firefighters No, for listed product.Product package burns like paper or plastic.

## 5.4 Additional information

# **SECTION 6: Accidental release measures**

- 6.1 Personal precautions, protective equipment and emergency procedures Do not breathe vapours. Regular staff training is necessary.
- 6.2 Environmental precautions Harmful to aquatic life with long lasting effects. Avoid contact of substance/mixture to environment. PBT: not applicable vPvB: not applicable

## 6.3 Methods and material for containment and cleaning up Bind any escaping liquid with inert absorbent.

Collect small amounts of leaked liquid and flush with water into drains.



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#### 6.4 Reference to other sections

# **SECTION 7: Handling and storage**

#### 7.1 Precautions for safe handling

Handling in accordance with the test instruction, that comes with the product.

- 7.2 Conditions for safe storage, including any incompatibilities Safe storage is guaranteed in the original packaging . Storage class (German chemical industry): see chapter 12.1 Storage class (VCI): 8в Water hazard class (DE): 1
- 7.2.1 Requirements for stock rooms and containers Keep original product packages tightly closed during handling and storage.

#### 7.3 Specific end use(s)

Product for analytical use.

## **SECTION 8: Exposure controls /personal protection**

#### 8.1 **Control parameters**

### 25 g Amidosulfonic acid

Chemical: aminosulfonic acid (sulfamic acid) [derm] 10 mg/kg bw/d; [inh] 70,5 mg/m³ DNEL = Derived No-Effect Level (for workers) DNFI · PNEC (fresh water) : 1.8 mg/L PNEC = Predicted No Effected Concentration

CAS No.: 5329-14-6

#### 8.2 **Exposure controls**

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

#### 8.2.1 **Respiratory protection**

No additional recommendations.

#### 8.2.2 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 Eve / Face Protection

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

#### 8.2.4 Skin protection

Recommended

#### 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

### 25 g Amidosulfonic acid

a) State of aggregation:

- b) Colour:
- c) Odor:
- d) Melting point: e) Boiling point:
- f) Flammability:
- g) Explosive limits (lower / upper):
- h) Flash point:



MACHEREY-NAGEL GmbH & Co. KG Valencienner Str. 11 52355 Düren · Germany www.mn-net.com

DE Tel.: +49 24 21 969-0 info@mn-net.com CH Tel.: +41 62 388 55 00 sales-ch@mn-net.com FR Tel.: +33 388 68 22 68 sales-fr@mn-net.com

colourless

no data available

red

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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:

no data available 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** 

# **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 no additional data available
- **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.

### 25 g Amidosulfonic acid

Chemical:	aminosulfonic acid (sulfamic acid)
TSCA Inventory:	listed
Target Organs:	affect the eye or visual capacity
Symptoms:	conjunctivitis; corneal damage
LD50 orl rat :	2065 mg/kg

CAS No.: 5329-14-6

### 11.2 Other hazards

Possible endocrine disrupting effects no data available

Other information no additional data available



- CH Tel.: +41 62 388 55 00 sales-ch@mn-net.com
- FR Tel.: +33 388 68 22 68 sales-fr@mn-net.com

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SECT	ION 12: Ecological inform	ation		
12.1	Toxicity Following information is valid for pu	re substances.		
	25 g Amidosulfonic acid Chemical: aminosulfon PNEC (fresh water) : PNEC = Predicted No Effected Concentrati	<i>ic acid (sulfamic acid)</i> 1.8 mg/L	CAS No.: 5329-14	-6
	LC50 fish/96h : EC50 daphnia/48h : IC50 scenedesmus quadricauda/72h : Water hazard class (DE): Dispersion coefficient (o/w) : Storage class (VCI):	[4d] 70.3 mg/L [48h=24h] 71.6 mg/L [72h] 48 mg/L 1 WGK No.: 1266 -4,34 8 B		
12.2	Persistence and degradability not necessary	,		
12.3	Bioaccumulative potential not necessary			
12.4	Mobility in soil not necessary			
12.5	<b>Results of PBT and vPvB ass</b> This substance/mixture contains no cor and very bioaccumulative (vPvB) at lev	nponents considered to be either persist	ent, bioaccumulative and toxic (F	PBT) or very persistent
12.6	Endocrine disrupting propert no data available	ies		
12.7	Other adverse effects no additional data available			

## **SECTION 13: Disposal considerations**

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

### 13.1 Waste treatment methods

# **SECTION 14: Transport information**

14.1. UN number: 14.2. UN proper shi 14.3. Class:	3316 pping r 9		Chemica Packing		II			
Road transport ADR Classification code: Limited Quantity: Air transport ICAO	M11 acc. A	DR 3.3	Tunnel r 3.1/251: se				ation for	transportation
PAX:	960		max. we	ight PAX		10 KG		
CAO:	960		max. we	ight CAO	:	10 KG		
Maritime transport IM		_	_					
EmS:	F-A, S	-P	Storage	category		A		
Or use <b>Alternative d</b> UN No.: (see below) or					(≤30	) mL/∑≤1 L) =	= ADR/ IA	ATA E1
14.1 UN number:	2967				-	name: Sulph	amic aci	d
<b>14.3 Class:</b> Road transport ADR	8	14.4	Packing	group:	III			
Classification code: Limited Quantity: Excepted Quantity:	C2 5 Kg E 1		Т	unnel res	stric	tion code:	Е	
Air transport ICAO Limited Quantity: Excepted Quantity:		LQ 24 E 1	1					



 MACHEREY-NAGEL GmbH & Co. KG
 DE
 Tel.: +49 24 21 969-0
 info@mn-net.com

 valencienner Str. 11
 CH
 Tel.: +41 62 388 55 00
 sales-ch@mn-net.com

 52355 Düren · Germany
 FR
 Tel.: +33 388 68 22 68
 sales-fr@mn-net.com

 www.mn-net.com
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PAX:	860		max. weight PAX:	25 Kg	
CAO:	864		max. weight CAO:	100 Kg	
Maritime trans	sport IMDG				
EmS:	F-A, S-B	Storage category:	A		

#### 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
- Transport in bulk according to Annex II of MARPOL and the IBC Code 14.7 Not applicable.

# **SECTION 15: Regulatory information**

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture 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 BekGS 408, Application of the GefStoffV and the TRGS with the entry into force of the CLP regulation, December 2009, status: Jan 2012 MN leaflet/instructions for use, also at www.mn-net.com If necessary, observe other country-specific regulations.

#### 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

1621	List of relevant H phrase	20

H315	Causes skin irritation.	
H319	Causes serious eye irritation.	
H412	Harmful to aquatic life with long lasting effects	

- 16.2.2 List of relevant P phrases Avoid release to the environment. P273
  - P280sh Wear protective gloves/eye protection.

### **Recommended restriction on use**

Only for professional user.

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

SUVA .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 Regulation 487/2013/EU, 4. Adaptation of the CLP regulation to technical and scientific progress Regulation 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**



16.3

MACHEREY-NAGEL GmbH & Co. KG Valencienner Str. 11 52355 Düren · Germany www.mn-net.com

- DE Tel.: +49 24 21 969-0 info@mn-net.com CH Tel.: +41 62 388 55 00 sales-ch@mn-net.com
- FR Tel.: +33 388 68 22 68 sales-fr@mn-net.com
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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

2017-11 adaptation of the ECHA registration dossier 2022-11 Adjustment of Regulation 878/2020/EU

## 16.5 Further information

MACHEREY-NAGEL GmbH & Co. KG provides the information contained herein in good faith being up-to-date of own realizations at revision time. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgement in determining its appropriateness for a particular purpose.

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### 16.6 Legend / Abbreviations

acc:	according
ADR:	Convention concerning the International Carriage of Dangerous Goods by Road
Act:	acute
BAT:	biological workplace tolerance value
CAO:	Cargo Aircraft Only
Carc:	carcinogen
CAS:	Chemical Abstracts Service
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
	guinea pig
gpg: ICAO:	International Civil Aviation Organization
ihl:	inhaled
IMDG:	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 idus	
MAK:	maximum workplace concentration
Met:	Metall
mus:	mouse
Muta:	
NIOSH:	mutagen National Institute for Occupational Safety and Health (US)
NRD:	
	Non-rapidly degradable
onchorhynchu orl:	is mykiss: fish, rainbow trout oral
OSHA:	Occupational Safety and Health Administration
PAX:	transport on passenger planes allowed
PBT:	persistent, bioaccumulating, toxic substance
pH:	pH value
pimephales p	
PNEC:	Predicted No Effected Concentration
PROC 15:	Process category 'for laboratory use'
PRTR:	Law for PRTR and Promotion of Chemical Management (Jp)
PVC:	polyvinyl chloride
quail:	bird, quail
<b>Yuu</b> ii.	bira, quai

Management System EN ISO 13485-2016 ISO 9001:2015 Www.tuv.com

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rat: rbt: RD: RE: REACh: REF: Reg.No.:	rat rabbit rapidly degradable repeated Registration, Evaluation, Authorisation and Restriction of Chemicals item number, reference number rRegistration number
Repr: Resp:	harmful to reproduction 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
TCCA:	Toxic Chemicals Control Act (S. Korea)
Tox:	toxic
TSCA:	The Toxic Substances Control Act (US)
TWA:	time weighted average
TRGS:	technical regulations (DE)
vPvB:	very persistent, very bioaccumulating substance

### Training advice 16.7

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.



- CH Tel.: +41 62 388 55 00 sales-ch@mn-net.com
- FR Tel.: +33 388 68 22 68 sales-fr@mn-net.com
- US Tel.: +1 888 321 62 24 sales-us@mn-net.com

Software: M2 V 6.0.20.60