Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 15.08.2023 Versio

Version number 113.21 (replaces version 113.20)

Revision: 12.06.2023

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

- 1.1 Product identifier

- Trade name NIKA R 164
- UFI: 1110-8029-000S-S1WS
- **1.2 Relevant identified uses of the substance or mixture and uses advised against** No further relevant information available.
- Application of the substance / the mixture Deliming agent
- 1.3 Details of the supplier of the safety data sheet
- *Manufacturer/Supplier:* NIKA Cleaning Peter und Jan Füchtenhans GbR Am Galgenberg 46 59227 Ahlen Tel.: 02382/966 82 82 E-Mail: info@nika-cleaning.de
- Informing department: Product safety department
- 1.4 Emergency telephone number:

This is an English-language document designed for the European region. For the emergency number and other country-specific data, please refer to the specific national versions of this safety data sheet. Counselling Centre for Poisoning, Mainz Tel. (+49) 61 31 / 19 240.

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008

Met. Corr.1 H290 May be corrosive to metals.

Skin Corr. 1A H314 Causes severe skin burns and eye damage.

- 2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008
- The product is classified and labelled according to the CLP regulation.
- Hazard pictograms



- Signal word Danger
- Hazard-determining components of labelling: sulphamidic acid
- Hazard statements

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

- Precautionary statements
- P264 Wash thoroughly after handling.

280	Wear protectiv	e gloves/protective	e clothing/eye prote	ection/face protection.
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P302+P352 IF ON SKIN: Wash with plenty of water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses	s, if
present and easy to do. Continue rinsing.	

P337+P313 If eye irritation persists: Get medical advice/attention.

P406 Store in a corrosion resistant container / container with a resistant inner liner.

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P502 Refer to manufacturer or supplier for information on recovery or recycling.

- 2.3 Other hazards

- Results of PBT and vPvB assessment

- **PBT:** Not applicable.

- vPvB: Not applicable.

- Determination of endocrine-disrupting properties Not applicable.

SECTION 3: Composition/information on ingredients

- 3.2 Mixtures

- Description: Mixture of the substances listed below with harmless additions

 Dangerous components: 		
CAS: 77-92-9	citric acid	≥10-<20%
EINECS: 201-069-1	Eye Irrit. 2, H319; STOT SE 3, H335	
Reg.nr.: 01-2119457026-42	substance with a Community workplace exposure limit	
CAS: 5329-14-6	sulphamidic acid	≥10-<25%
EINECS: 226-218-8	Skin Irrit. 2, H315; Eye Irrit. 2, H319; Aquatic Chronic 3, H412	
Reg.nr.: 01-2119488633-28		

- SVHC

This preparation does not contain any substances of very high concern (SVHC) in a concentration of \geq 0.1 % according to Regulation (EC) 1907/2006, Article 57.

- Additional information For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- 4.1 Description of first aid measures

- General advice: Instantly remove any clothing soiled by the product.

- After inhalation Supply fresh air; consult doctor in case of symptoms.
- After skin contact

Instantly wash with water and soap and rinse thoroughly. If skin irritation persists, seek medical advice.

- After eye contact

Rinse immediately opened eye for several minutes under running water. Then consult doctor.

- After swallowing Rinse out mouth and then drink plenty of water.

- Call a doctor immediately.
- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media

- Suitable extinguishing agents Use fire fighting measures that suit the environment.
- 5.2 Special hazards arising from the substance or mixture

Can be released in case of fire: sulphur oxides (SOx) Ammonia vapours carbon monoxide (CO) carbon dioxide (CO2)

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- 5.3 Advice for firefighters

- Protective equipment: No special measures required.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures Wear protective clothing. Avoid eye and skin contact. Ensure adequate ventilation - 6.2 Environmental precautions: Do not allow product to reach sewage system or water bodies. Inform respective authorities in case product reaches water or sewage system. - 6.3 Methods and material for containment and cleaning up: Dam up large quantities and pump in product resistant container; absorb remains with absorptive material and dispose according to regulations. Flush away small remains with water. Dispose waste water according to regulations. Small spillages: absorb with sand, earth and collect into containers for disposal. Dispose of contaminated material as waste according to item 13. 6.4 Reference to other sections See Section 7 for information on safe handling See Section 8 for information on personal protection equipment. See Section 13 for information on disposal.

SECTION 7: Handling and storage

- 7.1 Precautions for safe handling Keep containers tightly sealed.
- Information about protection against explosions and fires: No special measures required.
- 7.2 Conditions for safe storage, including any incompatibilities
- Storage
- Requirements to be met by storerooms and containers:

Observe official regulations on storage and handling of water harzardous substances Store only in the original container.

- Further information about storage conditions: Protect from frost.
- 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

- 8.1 Control parameters
- Components with critical values that require monitoring at the workplace:

77-92-9 citric acid

Long-term value: 2 E mg/m ³
2(1);DFG, Y

- DNELs		
5329-14-6	sulphamidic acid	
Oral	DNEL (population)	5 mg/kg bw/day (Long-term, systemic effects)
Dermal	DNEL (worker)	10 mg/kg bw/day (Long-term, systemic effects)
	DNEL (population)	5 mg/kg bw/day (Long-term, systemic effects)

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Inhalative DN			(Contd. of page
	EL (worker)	70,5 mg/m ³ (Long-term, systemic effects)	
DN	EL (population)	17,4 mg/m ³ (Long-term, systemic effects)	
- PNECs			
5329-14-6 sul	phamidic acid		
PNEC water	0,48 mg/l (in	termittent releases)	
	1,8 mg/l (fres	shwater)	
	0,18 mg/l (m	arine water)	
20 mg/l (sewage plant)		age plant)	
PNEC sedime	nt 8,36 mg/kg c	lw (freshwater)	
	0,84 mg/kg c	lw (marine water)	
PNEC soil	EC soil 5 mg/kg dw (soil)		
PNEC sediment 0,173 mg/kg (freshwater)			
	0,0173 mg/k	g (marine water)	
PNEC soil	0,00638 mg/	kg (soil)	

- General protective and hygienic measures Keep away from food, beverages and fodder. Instantly remove any soiled and impregnated garments. Wash hands during breaks and at the end of the work. Avoid contact with the eyes and skin.

- Breathing equipment:

Use breathing protection only when aerosol or mist is formed. Bei Nebelbildung Atemschutz-Filtergerät verwenden.

- Recommended filter device for short term use: Combination filter A-P2
- Hand protection Acid resistant gloves
- Material of gloves
- Nitrile rubber, NBR
- Recommended thickness of the material: \geq 0,5 mm

Die Auswahl eines geeigneten Handschuhs ist nicht nur vom Material, sondern auch von weiteren Qualitätsmerkmalen abhängig und vom Hersteller zu Hersteller unterschiedlich. Die Handschuhe sollten in jedem Fall CE-genehmigt sein.

- Penetration time of glove material Material of gloves is recommended for a short-term single use to protect from splashes. For permanent usage contact manufacturer of gloves. Change gloves if notice sign of disenchantment.

- Eye/face protection Eye glasses with side protection (EN 166)
- Body protection:

Standard protective working clothes. If skin contact is possible, wear impenetrable protective clothing.

OFOTION A. DI		
SECTION 9: Ph	vsical and chemica	broberties

 - 9.1 Information on basic physica - General Information 	r and chemical properties	
- Physical state	Fluid	
- Colour:	Colourless	
- Smell:	Odourless	
- Odour threshold:	Not determined.	

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Melting point/freezing point:	Not determined
Boiling point or initial boiling point and boiling	
range	Not determined
Flammability	Not applicable.
Lower and upper explosion limit	
Lower:	Not determined.
Upper:	Not determined.
Flash point:	345 ℃
Decomposition temperature:	Not determined.
− pH at 20 °C	2
- pH-value:	
Viscosity:	
Kinematic viscosity	Not determined.
dynamic:	Not determined.
Solubility	F U S U
Water:	Fully miscible
Partition coefficient n-octanol/water (log value)	
- Vapour pressure at 20 °C:	23 hPa (7732-18-5 water, distilled, conductivity or
	similar purity)
- Density and/or relative density	
- Density at 20 °C	1,137 g/cm ³
- Relative density	Not determined.
- Vapour density	Not determined.
- 9.2 Other information	
- Appearance:	
- Form:	Fluid
- Important information on protection of heal	th
and environment, and on safety.	
- Self-inflammability:	Product is not selfigniting.
- Explosive properties:	Product is not potentially explosive
- Evaporation rate	Not determined.
-Information with regard to physical haza	d
classes	
- Explosives	Void
- Flammable gases	Void
- Aerosols	Void
- Oxidising gases	Void
- Gases under pressure	Void
- Flammable liquids	Void
- Flammable solids	Void
- Self-reactive substances and mixtures	Void
- Pyrophoric liquids	Void
- Pyrophoric solids	Void
- Self-heating substances and mixtures	Void
 Substances and mixtures, which emit flammab 	le
gases in contact with water	Void
- Oxidising liquids	Void
- Oxidising solids	Void
- Organic peroxides	Void
- Corrosive to metals	May be corrosive to metals.
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- Desensitised explosives

SECTION 10: Stability and reactivity

- 10.1 Reactivity No further relevant information available.
- 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided:
- No decomposition if used and stored according to specifications.
- 10.3 Possibility of hazardous reactions No dangerous reactions known
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: Exotherme Reaktion mit Alkalien.
- 10.6 Hazardous decomposition products:

Thermal decomposition may form sulfur dioxide SO2, ammonia NH3 and nitrous gases. Formation of carbon monoxide and carbon dioxide in case of fire.

SECTION 11: Toxicological information

- 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
- Acute toxicity Based on available data, the classification criteria are not met.

- LD/LC50 values that are relevant for classification:

77-92-9	77-92-9 citric acid		
Oral	LD50	>11.700 mg/kg (rat) (OECD 401)	
		3.000 mg/kg (rat)	
		5.040 mg/kg (mouse)	
Dermal	LD50	>2.000 mg/kg (rat)	
5329-14	5329-14-6 sulphamidic acid		
Oral	LD50	3.160 mg/kg (rat)	
Dermal	LD50	>2.000 mg/kg (rat) (OECD 402)	
011			

- Skin corrosion/irritation

- Causes severe skin burns and eye damage.
- Serious eye damage/irritation
- Causes severe skin burns and eye damage.
- Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- Germ cell mutagenicity Based on available data, the classification criteria are not met.
- Carcinogenicity Based on available data, the classification criteria are not met.
- Reproductive toxicity Based on available data, the classification criteria are not met.
- STOT-single exposure Based on available data, the classification criteria are not met.
- STOT-repeated exposure Based on available data, the classification criteria are not met.
- Aspiration hazard Based on available data, the classification criteria are not met.
- 11.2 Information on other hazards

- Endocrine disrupting properties

None of the ingredients is listed.

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SECTION 12: Ecological information

- 12.1 Toxicity	
- Aquatic toxic	ity:
77-92-9 citric	acid
LC 50 / 96 h 4	440-760 mg/l (Leuciscus idus)
LC 50 / 48 h	440 mg/l (Leuciscus idus) (OECD 203 (Acute toxicity - fish))
LC 50 / 24 h	1.535 mg/l (Daphnia magna) (OECD 202)
EC 50 / 24 h 4	440 mg/l (Leuciscus idus)
· · · · · · · · · · · · · · · · · · ·	1.535 mg/l (Daphnia)
EC 50 / 16 h	10.000 mg/l (Pseudomonas putida)
EC 50 / 72 h	120 mg/l (Daphnia magna)
4	425 mg/l (Algae)
5329-14-6 sul	phamidic acid
	70,3 mg/l (Pimephales promelas) (OECD 203 (Acute toxicity - fish))
	48 mg/l (Algae) (OECD 201)
EC 50 / 24 h	71,9 mg/l (Daphnia magna) (OECD 202)
- 12.2 Persister	nce and degradability
77-92-9 citric	
Biodegradabili	ity 100 % (OECD 301 E)
	98 % (OECD 302 B) (2 d)
CSB	728 mg O2/g
BSB	526 mg O2/g
- 12.4 Mobility	<i>mulative potential</i> No further relevant information available. <i>in soil</i> No further relevant information available.
- 12.5 Results (- PBT: Not appl	of PBT and vPvB assessment
- vPvB: Not app	
- 12.6 Endocrin	ne disrupting properties
	oes not contain substances with endocrine disrupting properties.
- 12.7 Other ad	
	nhibition of communal activated sludge EC 20 (mg/l according to ISO 8192 B):
77-92-9 citric	acid /l (Scenedesmus quadricauda) (7d)
-	
- Additional ec	ological information: s [.]
	o enter drainage system, surface or ground water
	class 1 (Self-assessment): slightly hazardous for water.

SECTION 13: Disposal considerations

- 13.1 Waste treatment methods

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

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⁻ Recommendation

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- Waste disposal key number:

Since 01/01/99 the waste code numbers have not only been product-related but are also essentially application-related. The valid waste code number of the application can be obtained from the European waste catalogue.

- European waste catalogue	
16 00 00	WASTES NOT OTHERWISE SPECIFIED IN THE LIST
16 10 00	aqueous liquid wastes destined for off-site treatment
16 10 01*	aqueous liquid wastes containing hazardous substances

- Uncleaned packagings:

- Recommendation:

Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning. - **Recommended cleaning agent:**

Water, if necessary with cleaning agent. z.B. Aktivschaumreiniger, neutral

SECTION 14: Transport information

- 14.1 UN number or ID number - ADR/RID/ADN, IMDG, IATA	UN1760
- 14.2 UN proper shipping name - ADR/RID/ADN	1760 CORROSIVE LIQUID, N.O.S. (SULPHAMIC ACID)
- IMDG, IATA	CORROSIVE LIQUID, N.O.S. (SULPHAMIC ACID)
- 14.3 Transport hazard class(es)	
- ADR/RID/ADN	
- Class - Label	8 (C9) Corrosive substances. 8
- IMDG, IATA	
- Class	8 Corrosive substances.
- Label	8
- 14.4 Packing group - ADR/RID/ADN, IMDG, IATA	<i>III</i>
- 14.5 Environmental hazards: - Marine pollutant:	Not applicable. No
- 14.6 Special precautions for user	Warning: Corrosive substances.
- Kemler Number:	80
- EMS Number: - Stowage Category	F-A,S-B
- Stowage Code	SW2 Clear of living quarters.
- 14.7 Maritime transport in bulk according	to IMO
instruments	Not applicable.
- Transport/Additional information:	
- ADR/RID/ADN	
- Limited quantities (LQ)	5L
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- Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
- IMDG - Limited quantities (LQ) - Excepted quantities (EQ)	5L Código E4 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
- UN "Model Regulation":	UN 1760 CORROSIVE LIQUID, N.O.S. (SULPHAMIC ACID), 8, III

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture - Labelling according to Regulation (EC) No 1272/2008
- The product is classified and labelled according to the CLP regulation.
- Hazard pictograms



- Signal word Danger
- Hazard-determining components of labelling: sulphamidic acid
- Hazard statements
- H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

- Precautionary statements
- P264 Wash thoroughly after handling.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P302+P352 IF ON SKIN: Wash with plenty of water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

- P337+P313 If eye irritation persists: Get medical advice/attention. P406
 - Store in a corrosion resistant container / container with a resistant inner liner.
- P502 Refer to manufacturer or supplier for information on recovery or recycling.
- Directive 2012/18/EU

- Named dangerous substances - ANNEX I None of the ingredients is listed.

- LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (ANNEX XIV)

None of the ingredients is listed.

- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

- DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment - Annex II

None of the ingredients is listed.

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- REGULATION (EU) 2019/1148

- Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

 Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

- National regulations - Information about limitation of use:

Employment restrictions concerning young persons must be observed.

- Other regulations, limitations and prohibitive regulations

- Substances of very high concern (SVHC) according to REACH, Article 57

None of the ingredients is listed.

- VOC (EU) 0,0 g/l

- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. This safety data sheet complies with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

- Registration-Number

- Relevant phrases

Complete wording of hazard statements and risk phrases (H- and R-phrases) mentioned in section 3. These phrases refer to the constituents. The labelling for this product is stated in section 2. H315 Causes skin irritation.

H315 Causes skin initation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

H412 Harmful to aquatic life with long lasting effects.

- Department issuing data specification sheet: see item 1: Informing department

- Date of previous version: 27.12.2022
- Version number of previous version: 113.20
- Abbreviations and acronyms:

RPE: Respiratory Protective Equipment RCR: Risk Characterisation Ratio (RCR= PEC/PNEC) ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonized System of Classification and Labelling of Chemicals CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008) EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) ISO: International Organisation for Standardisation DNEL: Derived No-Effect Level (REACH) PNEC: Predicted No-Effect Concentration (REACH) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent SVHC: Substance of Very High Concern SVHC: Substances of Very High Concern vPvB: very Persistent and very Bioaccumulative Met. Corr.1: Corrosive to metals - Category 1 Skin Corr. 1A: Skin corrosion/irritation - Category 1A

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Skin Irrit. 2: Skin corrosion/irritation – Category 2 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

- * Data compared to the previous version altered.

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