

Safety Data Sheet

according to Regulation (EC) No 1907/2006

RHEOSOL-STN Bedpan clear rinsing agent

Revision date: 25.06.2020

Product code: 20476

Page 1 of 10

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

RHEOSOL-STN Bedpan clear rinsing agent

1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/mixture**

Neutral clear rinsing agent with softener.

1.3. Details of the supplier of the safety data sheet

Company name:	NW-Chemie GmbH	
Street:	Langbaughstr. 15	
Place:	D-53842 Troisdorf	
Telephone:	+49 2241-3923-0	Telefax: +49 2241-3923-90
e-mail:	info@rheosol.de	
Contact person:	Dr. Friedrichs (MSDS qualified person)	Telephone: +49 2241-3923-0
e-mail:	sicherheit@rheosol.de	
Internet:	www.rheosol.de	
Responsible Department:	Produktsicherheit	

1.4. Emergency telephone number: Giftnotruf Berlin (Germany): +49 30 30686 700

Further Information

This safety data sheet replaces the former safety data sheet.
The affected sections are listed in section 16.

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

2.2. Label elements**Regulation (EC) No. 1272/2008****Special labelling of certain mixtures**

EUH208	Contains Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.
EUH210	Safety data sheet available on request.

Additional advice on labelling

The substance is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients**3.2. Mixtures**

Safety Data Sheet

according to Regulation (EC) No 1907/2006

RHEOSOL-STN Bedpan clear rinsing agent

Revision date: 25.06.2020

Product code: 20476

Page 2 of 10

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
5949-29-1	citric acid monohydrate			1 - < 5 %
	201-069-1		01-2119457026-42	
	Eye Irrit. 2; H319			

Full text of H and EUH statements: see section 16.

Further Information

Note: The danger characteristics refer to the properties of the neat substances.

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

When in doubt or if symptoms are observed, get medical advice.

After inhalation

Provide fresh air. If breathing is irregular or stopped, administer artificial respiration. Medical treatment necessary.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

After ingestion

Observe risk of aspiration if vomiting occurs. Do NOT induce vomiting. Rinse mouth thoroughly with water. Let water be drunk in little sips (dilution effect). Seek medical attention if problems persist.

4.2. Most important symptoms and effects, both acute and delayed

No information available for acute dermal and inhalative toxicity

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings. The product itself does not burn.

 Suitable extinguishing media: Extinguishing powder. Carbon dioxide (CO₂). Foam. Sand. Water.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

 Non-flammable. In case of fire may be liberated: Carbon monoxide, Carbon dioxide (CO₂).

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. Use appropriate respiratory protection. In case of fire and/or explosion do not breathe fumes.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

Co-ordinate fire-fighting measures to the fire surroundings.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

RHEOSOL-STN Bedpan clear rinsing agent

Revision date: 25.06.2020

Product code: 20476

Page 3 of 10

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Consider conventional precautions for chemical handling.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers).

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal. Take up mechanically. Suitable material for taking up:

Universal binding agent.

Wipe up with absorbent material (eg. cloth, fleece).

Treat the recovered material as prescribed in the section on waste disposal.

Wash with plenty of water.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Avoid contact with skin and eyes.

Do not breathe gas/fumes/vapour/spray.

Advice on protection against fire and explosion

No special measures are necessary.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed. Keep container tightly closed in a cool, well-ventilated place.

Protect against:

UV-radiation/sunlight.

frost.

Do not store at temperatures over: 40°C

Hints on joint storage

No special measures are necessary.

Further information on storage conditions

No special measures are necessary.

7.3. Specific end use(s)

Neutral clear rinsing agent with softener.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

according to Regulation (EC) No 1907/2006

RHEOSOL-STN Bedpan clear rinsing agent

Revision date: 25.06.2020

Product code: 20476

Page 4 of 10

PNEC values

CAS No	Substance	Value
Environmental compartment		
5949-29-1	citric acid monohydrate	
Freshwater		0,44 mg/l
Marine water		0,044 mg/l
Freshwater sediment		7,52 mg/kg
Marine sediment		0,752 mg/kg
Micro-organisms in sewage treatment plants (STP)		1094 mg/l
Soil		29,2 mg/kg

Additional advice on limit values

Please consider your local regulations

8.2. Exposure controls



Appropriate engineering controls

No special measures are necessary.

Protective and hygiene measures

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat, drink, smoke, sniff. No special measures are necessary.

Eye/face protection

Wear eye/face protection. (If necessary) safety glasses.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. (If necessary) protective gloves

Suitable material:

PVC (Polyvinyl chloride).

NBR (Nitrile rubber).

FKM (fluororubber).

PVC (Polyvinyl chloride).

Skin protection

Body protection: not required.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. No special measures are necessary.

Environmental exposure controls

No special measures are necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid
Colour:	clear, light yellow solution
Odour:	odourless

according to Regulation (EC) No 1907/2006

RHEOSOL-STN Bedpan clear rinsing agent

Revision date: 25.06.2020

Product code: 20476

Page 5 of 10

pH-Value (at 20 °C): 7

Changes in the physical state

Melting point: not applicable
 Initial boiling point and boiling range: 99,97 °C
 Sublimation point: not applicable
 Softening point: not applicable
 Pour point: not applicable
 Flash point: not applicable
 Sustaining combustion: No data available

Flammability

Solid: not applicable
 Gas: not applicable

Explosive properties

The product is not: Explosive.

Lower explosion limits: not applicable
 Upper explosion limits: not applicable
 Ignition temperature: not applicable

Auto-ignition temperature

Solid: not applicable
 Gas: not applicable

Decomposition temperature: not determined

Oxidizing properties

Not oxidizing.

Vapour pressure: 23,37 hPa
 (at 20 °C)
 Vapour pressure: 123,32 hPa
 (at 50 °C)
 Density (at 20 °C): 1,155 g/cm³
 Water solubility: completely miscible

Solubility in other solvents

not determined

Partition coefficient: not determined
 Vapour density: not determined
 Evaporation rate: not determined

9.2. Other information

Solid content: 18,70 %

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is stable under storage at normal ambient temperatures.

10.2. Chemical stability

The mixture is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

The product is stable, if used in compliance with instructions

according to Regulation (EC) No 1907/2006

RHEOSOL-STN Bedpan clear rinsing agent

Revision date: 25.06.2020

Product code: 20476

Page 6 of 10

10.4. Conditions to avoid

Frost.
Protect from sunlight.

10.5. Incompatible materials

Materials to avoid:
Acid.

10.6. Hazardous decomposition products

The product is stable, if used in compliance with instructions No dangerous decomposition products are known

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
5949-29-1	citric acid monohydrate				
	oral	LD50 mg/kg	5400	Mouse	OECD 401
	dermal	LD50 mg/kg	>2000	Rat	

Irritation and corrosivity

Based on available data, the classification criteria are not met.

Sensitising effects

Contains Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.

Carcinogenic/mutagenic/toxic effects for reproduction

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.

Specific effects in experiment on an animal

There are no data available on the preparation/mixture itself.

Additional information on tests

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

Practical experience

Observations relevant to classification

Diluted solutions may have a weaker effect, depending on the concentration.

Further information

No information available.

SECTION 12: Ecological information

12.1. Toxicity

Technically correct releases of minimal concentrations to adapted biological sewage treatment facility, will not disturb the biodegradability of activated sludge.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

RHEOSOL-STN Bedpan clear rinsing agent

Revision date: 25.06.2020

Product code: 20476

Page 7 of 10

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
5949-29-1	citric acid monohydrate					
	Acute fish toxicity	LC50 440 mg/l	96 h	Leuciscus idus	OECD 203	
	Acute algae toxicity	ErC50 425 mg/l	96 h	Scenedesmus quadricauda		
	Acute crustacea toxicity	EC50 1535 mg/l	48 h	Daphnia magna		
	Acute bacteria toxicity	(>10000 mg/l)		Pseudomonas putida		

12.2. Persistence and degradability

The surfactants contained in the product are biodegradable according to the requirements of the Detergent Directive 648/2004/EC.

CAS No	Chemical name				
	Method	Value	d	Source	
	Evaluation				
5949-29-1	citric acid monohydrate				
	Biological degradability	97 %	28		
	Easily biodegradable.				

12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
5949-29-1	citric acid monohydrate	-1,57

12.4. Mobility in soil

There are no data available on the preparation/mixture itself.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

Further information

Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation. Dispose of waste according to applicable legislation. Hand over to officially registered waste disposal company.

List of Wastes Code - residues/unused products

070699 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; wastes not otherwise specified

Contaminated packaging

Wash with plenty of water. Completely emptied packages can be recycled. Completely emptied packings can be re-cycled.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number:

No dangerous good in sense of this transport regulation.

14.2. UN proper shipping name:

No dangerous good in sense of this transport regulation.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

RHEOSOL-STN Bedpan clear rinsing agent

Revision date: 25.06.2020

Product code: 20476

Page 8 of 10

- 14.3. Transport hazard class(es):** No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

- 14.1. UN number:** No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

- 14.1. UN number:** No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

- 14.1. UN number:** No dangerous good in sense of this transport regulation.
14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
14.4. Packing group: No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

No special handling instructions are necessary.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not classified for this transport way.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulatory information

Information according to 2012/18/EU (SEVESO III): Not subject to 2012/18/EU (SEVESO III)

National regulatory information

Water hazard class (D): 1 - slightly hazardous to water
 Skin resorption/Sensitization: Causes allergic hypersensitivity reactions.

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 1,2,3,4,5,6,7,8,9,11,12,13,15,16.

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

Safety Data Sheet

according to Regulation (EC) No 1907/2006

RHEOSOL-STN Bedpan clear rinsing agent

Revision date: 25.06.2020

Product code: 20476

Page 9 of 10

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 ICAO: International Civil Aviation Organization
 P: Marine Pollutant
 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
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 DNEL: Derived No-Effect Level (REACH)
 PNEC: Predicted No-Effect Concentration (REACH)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 CLP: Classification, labelling and Packaging
 REACH: Registration, Evaluation and Authorization of Chemicals
 GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals
 UN: United Nations
 DNEL: Derived No Effect Level
 DMEL: Derived Minimal Effect Level
 PNEC: Predicted No Effect Concentration
 ATE: Acute toxicity estimate
 LL50: Lethal loading, 50%
 EL50: Effect loading, 50%
 EC50: Effective Concentration 50%
 ErC50: Effective Concentration 50%, growth rate
 NOEC: No Observed Effect Concentration
 BCF: Bio-concentration factor
 PBT: persistent, bioaccumulative, toxic
 vPvB: very persistent, very bioaccumulative
 ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 RID: Regulations concerning the international carriage of dangerous goods by rail
 ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)
 EmS: Emergency Schedules
 MFAG: Medical First Aid Guide
 MARPOL: International Convention for the Prevention of Marine Pollution from Ships
 IBC: Intermediate Bulk Container
 SVHC: Substance of Very High Concern
 @1602.B016012

Relevant H and EUH statements (number and full text)

H319	Causes serious eye irritation.
EUH208	Contains Mixture of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC no. 220-239-6] (3:1). May produce an allergic reaction.
EUH210	Safety data sheet available on request.

Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations. Notice the directions for use on the label. The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights.

Safety Data Sheet

according to Regulation (EC) No 1907/2006

RHEOSOL-STN Bedpan clear rinsing agent

Revision date: 25.06.2020

Product code: 20476

Page 10 of 10

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)