

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### RHEOSOL-STR Bedpen cleaner

Revision date: 22.03.2018

Product code: 22511

Page 1 of 10

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

### 1.1. Product identifier

RHEOSOL-STR Bedpen cleaner

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### Use of the substance/mixture

Special cleaner for bedpan-rinsers

### 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

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Regulation (EC) No. 1272/2008

Hazard categories:

Skin corrosion/irritation: Skin Corr. 1A

Serious eye damage/eye irritation: Eye Dam. 1

Respiratory or skin sensitisation: Skin Sens. 1B

Hazard Statements:

Causes severe skin burns and eye damage.

May cause an allergic skin reaction.

### 2.2. Label elements

#### Regulation (EC) No. 1272/2008

#### Hazard components for labelling

sodium polyacrylate

N-(2-hydroxyethyl)-N-[2-[(1-oxooctyl)amino]ethyl]-beta-alanine

**Signal word:** Danger

**Pictograms:**



#### Hazard statements

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

#### Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P264 Wash hands thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### RHEOSOL-STR Bedpen cleaner

Revision date: 22.03.2018

Product code: 22511

Page 2 of 10

P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor.
P321	Specific treatment (see information on this label).

#### Additional advice on labelling

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Chemical characterization

alkalische Tensidmischung

##### Hazardous components

CAS No	Chemical name	Quantity
	EC No	
	Index No	
	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
9003-04-7	sodium polyacrylate	1 - < 5 %
	Eye Irrit. 2, Aquatic Chronic 3; H319 H412	
64265-45-8	N-(2-hydroxyethyl)-N-[2-[(1-oxooctyl)amino]ethyl]-beta-alanine	1 - < 5 %
	264-761-2	
	Eye Irrit. 2, Skin Sens. 1B; H319 H317	
68439-51-0	Alcohols, C12-14, ethoxylated propoxylated	1 - < 5 %
	Eye Irrit. 2, Aquatic Acute 1, Aquatic Chronic 1; H319 H400 H410	

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

Remove contaminated, saturated clothing immediately. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

##### After inhalation

 In case of inhaling spray mist, consult a physician.  
 Provide fresh air.

##### After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Do not wash off with acidic cleaning agents. In case of skin irritation, consult a physician.

##### After contact with eyes

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Consult an ophthalmologist.

##### After ingestion

Do NOT induce vomiting. Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect).

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**RHEOSOL-STR Bedpen cleaner**

Revision date: 22.03.2018

Product code: 22511

Page 3 of 10

Seek medical attention if problems persist.

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

not known

**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**

waterspray, foam, CO<sub>2</sub>, powder

**Unsuitable extinguishing media**

High power water jet

**5.2. Special hazards arising from the substance or mixture**

In case of fire may be liberated: Carbon dioxide (CO<sub>2</sub>). Carbon monoxide.

**5.3. Advice for firefighters**

Use appropriate respiratory protection. In case of fire and/or explosion do not breathe fumes. In case of fire:

Wear self-contained breathing apparatus.

**Additional information**

Co-ordinate fire-fighting measures to the fire surroundings. Contaminated fire-fighting water must be collected separately.

**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. Prevent spread over a wide area (e.g. by containment or oil barriers).

**6.3. Methods and material for containment and cleaning up**

Take up mechanically. Suitable material for taking up:

Universal binding agent.

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

Wash with plenty of water.

**6.4. Reference to other sections**

Personal precautions See protective measures under point 7 and 8.

**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.

When using do not eat, drink or smoke.

**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 in a cool, well-ventilated place.

Protect against:

UV-radiation/sunlight.

frost.

according to Regulation (EC) No 1907/2006

**RHEOSOL-STR Bedpen cleaner**

Revision date: 22.03.2018

Product code: 22511

Page 4 of 10

Unsuitable materials for Container: metal.

**Advice on storage compatibility**

Do not store together with:

Reducing agents.

Zinc.

iron.

amines.

Aluminium.

Acid.

**Further information on storage conditions**

Keep only in the original container.

Recommended storage temperature: 5-30°C

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****8.2. Exposure controls****Appropriate engineering controls**

Avoid leakages in dosage systems

**Protective and hygiene measures**

No special measures are necessary.

**Eye/face protection**

Tightly sealed safety glasses.

**Hand protection**

protective gloves

penetration time (maximum wearing period): 8 h

Suitable material:

NR (Natural rubber (Caoutchouc), Natural latex). 0,5 mm

CR (polychloroprenes, Chloroprene rubber). 0,5 mm

NBR (Nitrile rubber). 0,35 mm

FKM (fluororubber). 0,4 mm

PVC (Polyvinyl chloride). 0,5 mm

Before using check leak tightness / impermeability.

**Skin protection**

Working clothes.

**Respiratory protection**Respiratory protection necessary at:  
aerosol or mist generation.

Suitable respiratory protective equipment:

Combination filter device (DIN EN 141).. A B E 1

**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:

colourless

Odour:

odourless

pH-Value:

12,8-13,3

**Changes in the physical state**

according to Regulation (EC) No 1907/2006

### RHEOSOL-STR Bedpen cleaner

Revision date: 22.03.2018

Product code: 22511

Page 5 of 10

Melting point:	non-applicable
Initial boiling point and boiling range:	99,97 °C
Sublimation point:	not known
Softening point:	non-applicable
Pour point:	non-applicable
Flash point:	100 °C
Sustaining combustion:	Not sustaining combustion
<b>Flammability</b>	
Solid:	non-applicable
Gas:	non-applicable
Lower explosion limits:	not known
Upper explosion limits:	not known
Ignition temperature:	not known
Vapour pressure: (at 20 °C)	23,37 hPa
Vapour pressure: (at 50 °C)	123,32 hPa
Density:	1,16 g/cm <sup>3</sup>
Water solubility:	completely miscible

#### **9.2. Other information**

Solid content:	not known
----------------	-----------

### **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**

not known

#### **10.5. Incompatible materials**

Reducing agents.  
Zinc.  
iron.  
amines.  
Aluminium.  
Acid.

#### **10.6. Hazardous decomposition products**

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

#### **Further information**

Exothermic reactions with: Acid.

### **SECTION 11: Toxicological information**

#### **11.1. Information on toxicological effects**

##### **Toxicokinetics, metabolism and distribution**

No information available.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### RHEOSOL-STR Bedpen cleaner

Revision date: 22.03.2018

Product code: 22511

Page 6 of 10

#### Acute toxicity

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

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
9003-04-7	sodium polyacrylate				
	oral	LD50 >5000 mg/kg	Rat		
64265-45-8	N-(2-hydroxyethyl)-N-[2-[(1-oxooctyl)amino]ethyl]-beta-alanine				
	oral	LD50 >2000 mg/kg	Rat	OECD 423	
	dermal	LD50 >2000 mg/kg		OECD 402	
68439-51-0	Alcohols, C12-14, ethoxylated propoxylated				
	oral	LD50 2000-5000 mg/kg	Rat		

#### Irritation and corrosivity

Irritating to eyes and skin.

#### Sensitising effects

May cause sensitisation by skin contact. (N-(2-hydroxyethyl)-N-[2-[(1-oxooctyl)amino]ethyl]-beta-alanine)

#### 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

No information available.

#### Practical experience

#### Observations relevant to classification

not known

## 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-STR Bedpen cleaner

Revision date: 22.03.2018

Product code: 22511

Page 7 of 10

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
9003-04-7	sodium polyacrylate					
	Acute fish toxicity	LC50 >100 mg/l	96 h	Oncorhynchus mykiss		
	Acute algae toxicity	ErC50 10-100 mg/l	72 h	Selenastrum capricornutum		
	Acute crustacea toxicity	EC50 >100 mg/l	48 h	Daphnia magna		
64265-45-8	N-(2-hydroxyethyl)-N-[2-[(1-oxooctyl)amino]ethyl]-beta-alanine					
	Acute fish toxicity	LC50 >100 mg/l	96 h	Cyprinus carpio (Common Carp)	OECD 203	
	Acute algae toxicity	ErC50 128 mg/l	72 h	Pseudokirchneriella subcapitata	OECD 201	
	Acute crustacea toxicity	EC50 >100 mg/l	48 h	Daphnia magna	OECD 202	
	Acute bacteria toxicity	(198 mg/l)	3 h		OECD 209	
68439-51-0	Alcohols, C12-14, ethoxylated propoxylated					
	Acute fish toxicity	LC50 1,41 mg/l	96 h	Danio rerio	OECD 203	
	Acute algae toxicity	ErC50 0,312 mg/l	72 h	Raphidocelis subcapitata	OECD 201	
	Acute crustacea toxicity	EC50 0,88 mg/l	48 h	Daphnia magna	OECD 202	

#### 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				
68439-51-0	Alcohols, C12-14, ethoxylated propoxylated				
	OECD 301B	92,4%	28		
	Not readily biodegradable.				

#### 12.3. Bioaccumulative potential

No indication of bioaccumulation potential.

#### 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.

#### 12.6. Other adverse effects

No information available.

#### Further information

The product is an alkali. Before discharge into sewage plants the product normally needs to be neutralised.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Advice on disposal

Dispose of waste according to applicable legislation. Hand over to officially registered waste disposal company.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### RHEOSOL-STR Bedpen cleaner

Revision date: 22.03.2018

Product code: 22511

Page 8 of 10

#### Waste disposal number of waste from 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

Completely emptied packings can be re-cycled.

### SECTION 14: Transport information

#### Land transport (ADR/RID)

**14.1. UN number:** UN 1719  
**14.2. UN proper shipping name:** CAUSTIC ALKALI LIQUID, N.O.S.  
**14.3. Transport hazard class(es):** 8  
**14.4. Packing group:** III  
 Hazard label: 8



Classification code: C5  
 Special Provisions: 274  
 Limited quantity: 5 L  
 Excepted quantity: E1  
 Transport category: 3  
 Hazard No: 80  
 Tunnel restriction code: E

#### Inland waterways transport (ADN)

**14.1. UN number:** UN 1719  
**14.2. UN proper shipping name:** CAUSTIC ALKALI LIQUID, N.O.S.  
**14.3. Transport hazard class(es):** 8  
**14.4. Packing group:** III  
 Hazard label: 8



Classification code: C5  
 Special Provisions: 274  
 Limited quantity: 5 L  
 Excepted quantity: E1

#### Marine transport (IMDG)

**14.1. UN number:** UN 1719  
**14.2. UN proper shipping name:** CAUSTIC ALKALI LIQUID, N.O.S.  
**14.3. Transport hazard class(es):** 8  
**14.4. Packing group:** III  
 Hazard label: 8



Special Provisions: 223, 274  
 Limited quantity: 5 L  
 Excepted quantity: E1



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

Revision date: 22.03.2018	<b>RHEOSOL-STR Bedpen cleaner</b>	Product code: 22511	Page 9 of 10
---------------------------	-----------------------------------	---------------------	--------------

EmS: F-A, S-B  
 Segregation group: alkalis

### Air transport (ICAO-TI/IATA-DGR)

**14.1. UN number:** UN 1719  
**14.2. UN proper shipping name:** CAUSTIC ALKALI LIQUID, N.O.S.  
**14.3. Transport hazard class(es):** 8  
**14.4. Packing group:** III  
 Hazard label: 8



Special Provisions: A3 A803  
 Limited quantity Passenger: 1 L  
 Passenger LQ: Y841  
 Excepted quantity: E1  
 IATA-packing instructions - Passenger: 852  
 IATA-max. quantity - Passenger: 5 L  
 IATA-packing instructions - Cargo: 856  
 IATA-max. quantity - Cargo: 60 L

## SECTION 15: Regulatory information

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

#### National regulatory information

Water contaminating class (D): 2 - clearly water contaminating

### 15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

## SECTION 16: Other information

### Changes

This data sheet contains changes from the previous version in section(s): 1,2,3,4,5,6,7,8,9,10,11,12,14,15,16.

### 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)
- 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

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**RHEOSOL-STR Bedpen cleaner**

Revision date: 22.03.2018

Product code: 22511

Page 10 of 10

**Relevant H and EUH statements (number and full text)**

H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

**Further Information**

Notice the directions for use on the label. @N16.P000001

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.)*