Моющие и чистящие средства для медицинских инструментов, лабораторий, эндоскопии, стоматологии neodisher, neoform, triformin, weigoman

Описание

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neodisher® Dekonta AF

Detergent and disinfectant for the automated reprocessing of bed frames and transport carts

Liquid concentrate

Fields of application:

- Combined cleaning and disinfection in decontamination units e.g. of bed frames, sterilisation containers, surgical tables, transport carts/trolleys and surgical shoes
- Combined automated cleaning and disinfection of personal protective equipment (PPE)[1]

Performance Spectrum:

- Bactericidal and yeasticidal activity and activity against enveloped viruses
- The biocidal activity has been tested and confirmed in accordance with European standards and therefore fulfils the requirements of EN 14885
- The activity against enveloped viruses (incl. HBV, HIV, HCV) has been additionally tested and confirmed in accordance with the guideline of DVV/ RKI[2]
- Included in the IHO[3] list of disinfectants

Special properties:

- Free of aldehydes
- Rapid action and good material compatibility
- The working solution is pH-neutral within a pH-range of 5 - 8 when using softened water
- Fulfils the requirements of the AK-BWA[4] and the ISO 15883-7

Application and dosage:

neodisher Dekonta AF is suitable for use in decontamination units. Dosage is effected via integrated dosing units. Concentration, temperature and contact time depend on the respective machine type.

The following biocidal activities have been confirmed under dirty conditions:

Combined cleaning and disinfection in decontamination plants of e.g. bedframes, instrument containers, operating tables, trolleys and surgical shoes			
	50 °C	55 °C	60 °C
bactericidal (EN 13727, EN 14561)	10 ml/l (1.0 %), 2 min 5 ml/l (0.5 %), 5 min	10 ml/l (1.0 %), 2 min	5 ml/l (0.5 %), 2 min
yeasticidal (EN 13624, EN 14562)	7.5 ml/l (0.75 %), 5 min	5 ml/l (0.5 %), 2 min	5 ml/l (0.5 %), 2 min
active against enveloped viruses (EN 14476, EN 17111, DVV/RKI[1])	10 ml/l (1.0 %), 2 min	5 ml/l (0.5 %), 2 min	5 ml/l (0.5 %), 2 min
Combined cleaning and disinfection of personal protective equipment[1] in washer-disinfectors and washing machines			
bactericidal, yeasticidal, active against enveloped viruses	10 ml/l (1,0 %), 5 min, 50 °C 10 ml/l (1,0 %), 2 min, 55 °C		

The process-related germ reduction of 5 log steps (Enterococcus faecium) which is necessary according to the AK-BWA[4] has been proved using different methods and decontamination systems (e.g. Getinge Cleanstation 9120, Dirschl WAT/WDT, Kannegießer CWD-D-Containerschleuse (container sluice), Reha Wash Type 313).

The compatibility of neodisher Dekonta AF with neodisher rinse aids which are recommended for the automated reprocessing of bed frames, sterilisation containers and surgical tables as well as transport carts and surgical shoes and are

neodisher® Dekonta AF

carried into the decontamination solution via the rinse water is guaranteed.

When using deionised water for a decontamination unit neodisher Dekonta AF has a working solution with an acidic pH-range. In these cases all parts must be acid-compatible. For draining acidic solutions the drain pipes must be acid-compatible. Eternit (fibre cement) and cast-iron pipes are not acid-compatible, therefore a prior neutralization of the drained solution is necessary.

General instructions for use:

- For professional use only
- The neodisher Dekonta AF solution has to be rinsed off completely with water (preferably deionised water). When using deionized water in the final rinse water stains are avoided and anodised aluminium is protected at the same time.
- Rinse out dosing system including suction hose with water before changing product
- Reprocessing of medical devices should comply with all ordinances pursuant to the regulations on medical devices and should be performed with appropriate validated processes
- The instructions of the manufacturer of the decontamination unit, the washer disinfector or the washing machine are to be observed
- Processing of medical device: Please observe the reprocessing recommendations of the medical device manufacturers according to the requirements of DIN EN ISO 17664 as well as the recommendations of the AK-BWA[4] in the current issue of the AK- BWA brochure “Automated Decontamination”
- Processing of personal protective equipment[1]: Please observe the reprocessing recommendations given by the manufacturer of the personal protective equipment
- Do not mix with other products
- *Use disinfectants safely. Always read the label and product information before use*

Expert reports:

The disinfecting activity has been confirmed by certification.
neodisher Dekonta AF was used and positively assessed by various testing and certification bodies in the context of personal protective equipment[1] certification with regard to material compatibility.

Expert reports are available on request.

Technical data:

pH-range	6.3 - 5.4 (4 – 10 ml/l, determined in deionised water 15 °d to 0 °d, 20 °C)
Viscosity	< 10 mPa s (concentrate, 20 °C)
Density	approx. 1.0 g/cm^3 (20 °C)

Ingredients:

Ingredients according to Regulation (EC) No 648/2004 on detergents:
< 5 % non-ionic surfactants also disinfectants

Active substances in 100 g:
2.25 g benzalkonium chloride
0.7 g N,N-didecyl-N-methyl-poly(oxyethyl)ammonium propionate

CE-mark: CE 0297 MD

neodisher Dekonta AF complies with European guidelines for medical devices.

If a serious incident occurs with the product, report it to the manufacturer and the relevant national authority.

Storage information:

Always store at a temperature between 0 °C and 30 °C.

Usable for 3 years when stored as recommended. For expiry date refer to the stamp mark on the label behind the hourglass symbol ⌛.

Hazard and precautionary statements:

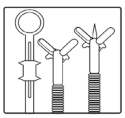
If applied according to the instructions for use the product is safe according to the appropriate guidelines for food processing.

Dispose only when container is empty and closed. For disposal of product residues, refer to Safety Data Sheet.

[1] Personal protective equipment (PPE), protective clothing against chemicals
[2] according to the guidelines of the Robert Koch-Institute (RKI) and the Deutsche Vereinigung zur Bekämpfung von Viruskrankheiten (DVV) [German Association for the control of Virus Diseases]
[3] Industrieverband für Hygiene und Oberflächenschutz (IHO) [German Association for Hygiene and Surface Protection]
[4] Arbeitskreis Bettgestell- und Wagendekontaminationsanlagen [Working Group for Bedframe and Cart Decontamination Systems]

neodisher endo® DIS active

Cleaning and disinfecting agent for the manual reprocessing of flexible endoscopes




Granulate

Fields of application:

- Disinfecting cleaning of flexible endoscopes and endoscopic accessories in immersion baths and ultrasonic baths
- Manual disinfection of flexible endoscopes and endoscopic accessories

Performance spectrum:

- Active against bacteria (incl. MRSA, tuberculosis bacteria and Helicobacter pylori), fungi, viruses (incl. hepatitis A, B and C, HIV, rotavirus, norovirus) and spores (incl. Clostridium difficile)
- The disinfecting activity was tested and proved by European Standards[1], VAH[2] and DVV/ RKI[3] methods
- Good cleaning performance, no protein fixation
- Coated granulate - low dust, easily soluble
- Usable in water of all degrees of hardness
- Suitable for materials such as stainless steel, anodized aluminium, plastic (incl. silicone)
- Not suitable for instruments made of brass and copper or for chromed or nickel-plated instruments that are mechanically pre-damaged
- VAH[2]-listed
- ÖGHMP[4]-listed
- On the list of the IHO[5] for disinfectants

Special properties:

- Excellent material compatibility; suitable for endoscopes of all leading manufacturers
- pH-neutral
- Pleasant odour, free of perfumes
- Based on peracetic acid – no incompatibilities with other active substances
- Free of aldehydes, amines and quaternary ammonium compounds

Application and dosage:

neodisher endo DIS active can be used in immersion baths or ultrasonic baths. Depending on the desired activity a solution is prepared according to the application recommendations listed below. For this neodisher endo DIS active is completely dissolved in maximally lukewarm water by stirring. The solution is ready to use after 15 minutes. Endoscopes or endoscopic accessories are cleaned or soaked for disinfection in the solution according to the manufacturer's instructions. All surfaces must be completely wetted with the disinfecting solution. Air bubbles must be removed. The treatment time in ultrasonic baths should not exceed the time given in the instrument manufacturer's instructions.

Application recommendation (20 °C)	
Disinfecting cleaning bactericidal, yeasticidal, active against enveloped viruses (incl. e.g. HBV, HIV, HCV)	10 g/l (1.0 %), 5 min
incl. sporicidal against Clostridium difficile	10 g/l (1.0 %), 15 min
Disinfection bactericidal, mycobactericidal, fungicidal, virucidal (incl. e.g. rotavirus, norovirus, HAV), sporicidal against Clostridium difficile	20 g/l (2.0 %), 15 min
incl. sporicidal	20 g/l (2.0 %), 60 min*

* When routinely reprocessed with the immersion method with a contact time of 60 minutes material alterations, especially with plastics, cannot be excluded and can therefore shorten the service life of medical devices.

For the exact dosage with the neodisher dosing cap or dosage from the sachet please refer to the corresponding dosing table.

neodisher endo® DIS active

Dosing table		
Desired volume of the application solution	**Desired concentration of the solution**	
	1.0 %	2.0 %
	Required amount of granulate (scale of neodisher graduated dosing cap)	
3 l	37.5 ml	75 ml
5 l	62.5 ml	125 ml
10 l	125 ml	250 ml
30 l	375 ml	750 ml

Desired volume of the application solution	**Desired concentration of the solution**	
	1.0 %	2.0 %
	Required amount of granulate	
5 l		100 g = 1 sachet
10 l	100 g = 1 sachet	200 g = 2 sachets
20 l	200 g = 2 sachets	400 g = 4 sachets
30 l	300 g = 3 sachets	600 g = 6 sachets

Note on application: Prepare the required water volume in the bath. Then stir in the corresponding amount of granulate (cf. table) (1 sachet = 100 g).

With the aid of the neodisher test strips (item no. 981320) the concentration of the solution can be determined. The solution is to be renewed at least daily resp. immediately, if it is visibly dirty or if too low an amount of active substance is indicated.

The neodisher endo DIS active solution must not be allowed to dry.

Notes on application:

- For professional use only!
- For economical and controlled dosing please use manual dosing and application aids, such as e.g. the neodisher dosing cap, if necessary.
- It is generally recommended to wear gloves when working with disinfectants.
- Do not mix with other products.
- Storage and transport is only permitted in original packaging.
- Reprocessing should comply with all ordinances pursuant to the regulations on medical devices and should be performed with appropriate validated processes.
- The neodisher endo DIS active solution has to be rinsed off completely with water (preferably with deionised water).
- Please observe the reprocessing recommendations of the medical device manufacturers according to the requirements of DIN EN ISO 17664.

Expert reports:

The disinfecting activity has been confirmed by certification. We will be pleased to provide certificates on request.

Technical data:

pH range	7.6 - 7.9 (20 g/l, determined in mains water, 20 °C)
Bulk density	approx. 800 g/l

Ingredients:

Ingredients according to Regulation (EC) No 648/2004 on detergents:
< 5 % phosphates, non-ionic surfactants
> 30 % oxygen-based bleaching agents
The active substance peracetic acid is formed when preparing the solution. A 1.0 % solution (10 g granulate per litre water) contains 0.15 % peracetic acid.

CE-mark: CE 0297 MD

neodisher endo DIS active complies with European guidelines for medical devices.

If a serious incident occurs with the product, report it to the manufacturer and the relevant national authority.

Storage information:

Always store at a temperature between 0 °C and 25 °C. Keep away from sunlight. Usable for 2 years when stored as recommended. For expiry date refer to the stamp mark on the label behind the hourglass symbol ⌛.

neodisher endo® DIS active

Hazard and precautionary statements:

Dispose only when container is empty and closed. For disposal of product residues, refer to the Safety Data Sheet.

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1 EN 13727, EN 14561, EN 13624, EN 14562, EN 14348, EN 14563, EN 14476, EN 17111, EN 17126

2 Verbund für Angewandte Hygiene e.V. (Association of Applied Hygiene)

3 Deutsche Vereinigung zur Bekämpfung der Viruskrankheiten/ Robert Koch-Institut (German Association for the Control of Virus Diseases/Robert Koch Institute, Germany)

4 Österreichische Gesellschaft für Hygiene, Mikrobiologie und Präventivmedizin (Austrian Society of Hygiene, Microbiology and Preventive Medicine)

5 Industrieverband Hygiene und Oberflächenschutz (Industry Association Surface Protection and Hygiene, Germany)

neodisher endo® MED

Detergent and disinfectant for the manual pre-treatment of flexible endoscopes

Liquid concentrate

Main fields of application:

Disinfecting pre-cleaning of flexible endoscopes and endoscopic accessories in immersion baths and ultrasonic baths

Performance spectrum:

- Active against bacteria, yeasts and enveloped viruses (incl. HBV, HCV and HIV)
- The disinfecting efficacy has been proved in accordance with European standards and VAH[1] methods
- Additionally, activity against enveloped viruses has been tested and confirmed in accordance with RKI/DVV[2] methods
- Suitable for stainless steel, anodised aluminium, non-ferrous metals (copper and brass), synthetic materials (incl. silicone)
- VAH[1] listed
- On the IHO[3] list of disinfectants

Special properties:

- Excellent cleaning performance, does not fixate proteins
- Excellent material compatibility
- Free of aldehydes and alkylamines
- Free of CMR[4] disinfecting active substances
- Compatible with disinfectants containing aldehyde and peracetic acid

Application and dosage:

neodisher endo MED is used in immersion baths or ultrasonic baths. Prepare a neodisher endo MED solution with the below-mentioned concentration. Place endoscopes or endoscopic accessories into the solution in accordance with the below-mentioned contact time and the instructions of the manufacturer. All surfaces must be completely wetted with the solution. Air bubbles must be removed. In ultrasonic baths the exposure time given by the manufacturer of the instruments should not be exceeded. Afterwards thoroughly rinse off the neodisher endo MED solution before the endoscopes resp. the endoscopic accessories are further reprocessed. The following parameters must be observed for achieving the respective activity spectrum:

Application recommendation (20 °C)	
Disinfecting pre-cleaning	10 ml/l (1.0 %), 15 min
Bactericidal (VAH, EN 13727, EN 14561), dirty conditions	10 ml/l (1.0 %), 15 min
Yeasticidal (VAH, EN 13624, EN 14562), dirty conditions	10 ml/l (1.0 %), 15 min
Active against enveloped viruses (incl. HBV, HCV, HIV) (EN 14476, EN 17111), dirty conditions	10 ml/l (1.0 %), 5 min
Active against enveloped viruses (incl. HBV, HCV, HIV) (RKI/DVV), dirty conditions	10 ml/l (1.0 %), 15 min

- For preparing the neodisher endo MED solution the use of softened water or soft water with less than 3 °dH is recommended. The water hardness should not exceed 20 °dH.
- For wipe cleaning of flexible endoscopes directly after the examination (bedside cleaning) in combination with neoform wipes RTF. Applications instructions are summarized in the brochure “neodisher endo MED in combination with neoform wipes RTF – for wipe cleaning during the bedside cleaning of flexible endoscopes”.
- The shelf life of the unused solution is 28 days. Contaminated solutions however must be

neodisher endo® MED

renewed daily or immediately if visibly dirty in accordance with the guidelines of the Robert Koch Institute (RKI).

- For the subsequent automated reprocessing we recommend the neodisher endo CLEAN alkaline-enzymatic detergent and the neodisher endo SEPT PAC or neodisher endo SEPT GA disinfectant.

Notes on application:

- For professional use only.
- It is generally recommended to wear gloves when working with disinfectants.
- For an economical and controlled dosing, we recommend the use of manual dosing aids, such as the dosing device for disinfectants neomatik mediDOS. Please contact us.
- The neodisher endo MED solution has to be rinsed off completely (preferably with deionised water)
- Reprocessing should comply with all ordinances pursuant to the regulations on medical devices and should be performed with appropriate validated processes.
- Please observe the reprocessing recommendations of the medical device manufacturers according to the requirements of the DIN EN ISO 17664.
- Storage and transport is only permitted in original packaging.
- Do not mix with other products.

Experts' reports:

Expert reports are available on request.

Technical data:

pH range	6.1 - 6.0 (5 - 15 ml/l, determined in deionised water, 20 °C)
Viscosity	< 50 mPa s (concentrate, 20 °C)
Density	approx. 1.0 g/cm^3 (20 °C)

Ingredients:

Ingredients according to Regulation (EC) No 648/2004 on detergents:
< 5 % non-ionic surfactants
Also disinfectants
Active substances in 100 g: 18 g N,N-didecyl-N-methyl-poly(oxyethyl)ammoniumpropionate

CE-mark: CE 0297 MD

neodisher endo MED complies with European guidelines for medical devices.

If a serious incident occurs with the product, report it to the manufacturer and the relevant national authority.

Storage information:

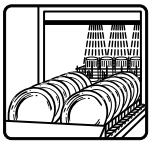
Always store at a temperature between 0 °C and 30 °C. Usable for 3 years when stored as recommended. For expiry date refer to the stamp mark on the label behind the hourglass symbol.

Hazard and precautionary statements:

Dispose only when container is empty and closed. For disposal of product residues, refer to the Safety Data Sheet.

1 Verbund für Angewandte Hygiene [Association of Applied Hygiene]
2 Robert Koch Institute/ Deutsche Vereinigung zur Bekämpfung von Viruskrankheiten [German Association for the Control of Virus Diseases]
3 Industrieverband Hygiene und Oberflächenschutz [German Association for Hygiene and Surface Protection]
4 Carcinogenic, Mutagenic, toxic to Reproduction

neodisher® Entschäumer S



Defoamer

Liquid concentrate

Fields of application:

- Preventing foam in special washers for laboratory glassware in medical laboratories (for blood tests and in serology), and laboratories in industry, the food industry and the cosmetics industry, as well as for automated reprocessing of surgical tables
- Also suitable for defoaming in professional warewashers

Performance spectrum:

- Prevents the development of foam during the removal of foam-generating residues such as surfactants, proteins or soaps
- Suitable for use as an additional component with all neodisher detergents for the preliminary or main cleaning
- Based on emulsifying silicone oils, excellent defoaming action even at low temperatures

Special properties:

- Universally applicable
- Highly concentrated and economical
- Odour-neutral

Application and dosage:

neodisher Entschäumer S is used in washer disinfectors for laboratory glassware and decontamination systems for surgical tables as well as in professional dishwashers in addition to neodisher detergents for preliminary cleaning and main cleaning. Depending on the quantity and the kind of foaming soiling neodisher Entschäumer S is dosed at 0.05 – 0.1 ml/l via suitable dosing devices or manually.

Avoid overdosing, otherwise precipitation and deposition of silicone residues on the surfaces of the items being cleaned may result.

neodisher Entschäumer S is dosed either during or immediately after the water intake in washer disinfectors with water exchange. In the case of tank machines a suitable metering pump ensures continuous dosing.

Notes on application:

- For professional use only.
- Do not mix with other products.
- Rinse out dosing system including suction hose with water before changing product
- The neodisher Entschäumer S working solution has to be rinsed off completely (preferably with deionised water).
- Reprocessing of surgical tables:
  - Please observe the reprocessing recommendations of the medical device manufacturers according to the requirements of the DIN EN ISO 17664
  - Reprocessing should comply with all ordinances pursuant to the regulations on medical devices and should be performed with appropriate validated processes
- The instructions given by the manufacturer of the washer disinfector and the decontamination system are to be observed
- Storage and transport is only permitted in original packaging.

Technical data:

pH-range	7.0 (concentrate, 20 °C)
Density	approx. 1.0 g/cm^3 (20 °C)
Viscosity	approx. 1,000 mPa s (concentrate, 25 °C)

neodisher® Entschäumer S

Ingredients:

Ingredients according to Regulation (EC) No 648/2004 on detergents:
< 5 % non-ionic surfactants
also preservation agents (benzyloxy)methanol

CE-marks: CE MD

neodisher Entschäumer S complies with European guidelines for medical devices.

If a serious incident occurs with the product, report it to the manufacturer and the relevant national authority.

Storage information:

Always store at a temperature between 5 °C and 30 °C. Usable for 1 year when stored as recommended. For expiry date refer to the stamp mark on the label behind the hourglass symbol.

Hazard and precautionary statements:

neodisher Entschäumer S is not a hazardous product according to the CLP-Regulation (EC) No 1272/2008.

If applied according to the instructions for use the product is safe according to the appropriate guidelines for food processing.

Dispose only when container is empty and closed. For disposal of product residues, refer to Safety Data Sheet.

neodisher® FS

Highly alkaline liquid cleaning agent for use in special washers

Main fields of application:

Automated cleaning of e.g. soldering frames made of stainless steel and laboratory glassware. For removing alkali-soluble or alkali-saponifiable residues.

Characteristics:

neodisher FS is a highly alkaline, phosphate-free detergent with defoaming action. Special complexing agents and dispersing agents enhance the cleaning performance and enable a high dirt absorption and high dirt carrying capacity. Saponifiable or alkali-soluble residues in laboratory glassware, finished parts or other items are dissolved. The special surfactant and defoamer combination supports the cleaning performance of neodisher FS due to improved wetting.

neodisher FS does not contain any silicone compounds, phosphates or active chlorine. It does not attack nickel chromium steel or alkali compatible plastic and Rubber. neodisher FS is not suitable for aluminium, anodised aluminium and light metal alloys.

neodisher FS can only be used with soft water.

Application and dosage:

In special washers: 2 - 3 ml/l using suitable dosing devices.

For the removal of rosin from circuit board carriers:
Cleaning: 3 g/l neodisher FS at 50 - 60 °C
Rinse with addition of neodisher TS rinse aid to ensure rapid drying.

For the removal of metal dust, oils and grease e.g. plastic transport boxes:
Cleaning: 5 g/l neodisher FS at 60 - 70 °C.
Rinse with addition of neodisher TS rinse aid.

The neodisher FS solution has to be rinsed off completely (preferably with deionised water).

Do not mix with other products. Rinse out dosing system including suction hose with water before changing product.

The instructions given by the manufacturer of the washer are to be observed.

Please observe the cleaning recommendations given by the manufacturer of the laboratory glassware and the soldering frames.

For professional use only.

Technical data:

Density (20 °C): 1.5 g/cm³
pH-range (determined in deionised water, 20 °C) 2 - 3 ml/l: 12.5 - 12.7
Viscosity (concentrate, 20 °C): ‹ 50 mPas
Titration factor: 0.18 (in accordance with the neodisher titration instructions)

Ingredients:

Ingredients according to Regulation (EC) No 648/2004 on detergents:
‹ 5 % phosphonates, non-ionic surfactants

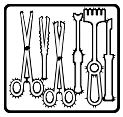
Storage information:

Always store at a temperature between 0 °C and 30 °C.

Usable for 2 years when stored as recommended. For expiry date refer to the stamp mark on the label behind the hourglass symbol ⌛.

neodisher® IP Spray

Lubricant for surgical instruments



Spray

Fields of application:

- Manual lubrication of surgical instruments, especially for hinged instruments

Performance spectrum:

- For the direct lubrication of surgical instruments after automated cleaning if the lubrication in the washer disinfector is inadequate for hinged instruments or if there is no dosing of neodisher IP Konz in the washer disinfector
- When neodisher IP Spray is used as intended, the biocompatibility of the treated instruments is not affected. (Biological evaluation of medical devices according to EN ISO 10993-1).

Special properties:

- Based on medical white oil (highly purified mineral oil/paraffinum liquidum of pharmaceutical grade)
- Does not lead to encrustations
- Proven not to interfere with a following steam or hot air sterilisation

Application and dosage:

Spray neodisher IP Spray directly onto the instruments, especially on the joints/hinges. Hold the spray can as vertically as possible. For the spraying of sieves, please use the spray can with a shortened spraying tube. For this, the tube should be removed from the attachment and cut with a pair of scissors to the required length. Then put the spraying tube with the shortened side into the spraying attachment to achieve an optimum spraying result that is not distorted by the cutting edge.

Notes on application:

- For professional use only.
- Reprocessing should comply with all ordinances pursuant to the regulations on medical devices and should be performed with appropriate validated processes.
- Please observe the reprocessing recommendations of the medical device manufacturers according to the requirements of the DIN EN ISO 17664

Ingredients:

Paraffinum liquidum of pharmaceutical grade, non-ionic surfactants, propellant gas propane/butane

CE-mark: CE MD

neodisher IP Spray complies with European guidelines for medical devices.
If a serious incident occurs with the product, report it to the manufacturer and the relevant national authority.

Storage information:

Always store at a temperature between 5 °C and 30 °C. Usable for 3 years when stored as recommended. For expiry date refer to the stamp mark on the bottom of the can behind the hourglass symbol ⧗.

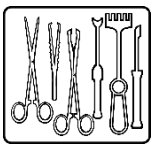
Hazard and precautionary statements:

Dispose only when container is empty and closed. For disposal of product residues, refer to Safety Data Sheet.

Container under pressure. Protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not puncture or burn container even after use.

neodisher® IR

Acidic detergent for intensive cleaning of surgical instruments in immersion baths



liquid concentrate

Fields of application:

- Intensive cleaning of surgical instruments made of stainless steel in immersion baths and ultrasonic baths
- Intensive cleaning using neodisher IR only suitable for instruments made of hardened chrome steel or chrome-nickel steel

Performance spectrum:

- Removes tarnishing, loose rust and rust stains
- Self-acting removal of stubborn inorganic residues on instruments, which can result from various faults in reprocessing, such as unsuitable water and sterilising steam qualities

Special properties:

- Only for surgical instruments made of hardened chrome steel or chrome-nickel steel
- Not suitable for instruments made of unhardened chrome steel, unalloyed steel, light metals and other materials which are not acid-compatible
- Not suitable for chromium-plated or nickel-plated instruments
- With instruments of stainless steel, which do not have a quality guarantee, prior testing must be carried out to determine suitability
- Instruments with carbide inlays are suitable for a thorough cleaning, provided that the restrictions indicated in the instrument manufacturer's instructions for use[1] are taken into account
- With instruments that have been laser-lettered and marked a brightening of the lettering may occur
- Not suitable for the first cleaning of brand-new instruments
- The containers used for intensive cleaning and the effluent pipes, through which the neodisher IR solutions are discharged, must be made of acid-compatible material (Eternit and cast iron pipes are unsuitable). If necessary, the working solution of neodisher IR can be neutralised before discharge with an alkaline detergent (without active chlorine).

Application and dosage:

Intensive cleaning in immersion baths:

Dosage: 10 - 100 ml/l
for instruments with carbide inserts: 10 - 30 ml/l
temperature: max. 50 °C

Instruments are immersed in the warm neodisher IR solution. After a contact time of approx. 1 hour, the instruments are removed, thoroughly rinsed with water and dried. Instruments which appear spotless are conveyed to validated reprocessing.

Intensive cleaning in ultrasonic baths:

Dosage: 15 – 35 ml/l
temperature: max. 50 °C

Instruments are immersed in the warm neodisher IR solution. The contact time should be between 1 and 5 min in accordance with equipment manufacturer's data. The instruments are removed, thoroughly rinsed with water and dried. Instruments which appear spotless are conveyed to validated reprocessing. The instructions of the ultrasonic bath manufacturer must always be observed.

If spots and stains are not completely removed, which may be the case with discolouration built up over a long period, the treatment must be repeated. The contact time in immersion baths may be extended to up to 4 hours. The instruments should under no circumstances remain unchecked in the solutions overnight.

If the stains still remain after immersion, the advice of our applications technology department must be sought, to determine the nature of the discolouration and to work out a special method for its removal. In every case an attempt should be made to determine the cause(s), in order to remedy it as quickly as possible.

[1] According to the requirements of DIN EN ISO 17664

neodisher® IR

Scrubbing with wire brushes must be avoided, as this treatment irreversibly damages the stainless steel surfaces and makes them more susceptible to corrosion.

The neodisher IR solution has to be rinsed off completely (preferably with deionised water).

Notes on application:

- For professional use only.
- Do not mix with other products.
- Reprocessing should comply with all ordinances pursuant to the regulations on medical devices and should be performed with appropriate validated processes.
- Please observe the reprocessing recommendations of the medical device manufacturers according to the requirements of the DIN EN ISO 17664.

Technical data:

pH-value	1,8 - 0,9 (10 - 100 ml/, determined in demineralised water, 20 °C)
Titration factor	0.19 (in accordance with neodisher titration instructions)
Density	approx. 1.4 g/cm^3 (20 °C)

Ingredients:

Ingredients according to Regulation (EC) No 648/2004 on detergents:
< 5 % non-ionic surfactants
> 30 % phosphates

CE-mark: CE MD

neodisher IR complies with European guidelines for medical devices.

If a serious incident occurs with the product, report it to the manufacturer and the relevant national authority.

Storage information:

Always store at a temperature between -15 and 30 °C. The product is sensitive to frost below - 15 °C. Usable for 3 years when stored as recommended. For expiry date refer to the stamp mark on the label behind the hourglass symbol.

Hazard and precautionary statements:

Dispose only when container is empty and closed. For disposal of product residues, refer to the Safety Data Sheet.

neodisher® LM 10

Liquid cleaning agent
for use in immersion baths

Main fields of application:

Manual cleaning of laboratory glassware in immersion baths in Medical and Biological Research, Laboratories in the food industry.

Manual cleaning of cages for experimental animals by immersion.

Characteristics:

neodisher LM 10 is suitable for precleaning items to be washed which will then undergo a main mechanical cleaning process. neodisher LM 10 removes radioactive contaminants and organic residues, which are very stubborn.

neodisher LM 10 is also suitable for pre-cleaning of cages for experimental animals.

All usual glass, porcelain and ceramic materials are safe from attack by neodisher LM 10 solutions. If rubber, plastic and metallic instruments are being washed, their resistance must be checked. neodisher LM 10 can be used with all degrees of water hardness.

Application and dosage:

Cleaning in plunge baths:	normal soiling:	20 ml/L
	Heavy soiling:	50 ml/L
	Extreme soiling:	200 ml/L

Treatment time: 2-5 h, if necessary over night.

Subsequently the neodisher LM 10-solution has to be rinsed out completely by sufficient rinsing.

Do not mix with other products.

Only for professional use.

Technical data:

Density (20 °C): 1.2 g/cm^3
pH-range (determined in deionised water, 20 °C) 20 - 200 ml/L: 12.2 - 13.9
Viscosity (concentrate, 20 °C): ‹ 10 mPas
Titration factor: 1.90 (according with neodisher titration method)

Ingredients:

Ingredients according to Regulation (EC) No 648/2004 on detergents:
‹ 5 % chlorine-based bleaching agents
5-15 % phosphates

Storage information:

This product is sensitive to heat and sunlight. Store in a cool place.
Sensitive to frost below - 5 °C.

Hazard and precautionary statements

Dispose only when container is empty and closed. For disposal of product residues, refer to the Material Safety Data Sheet.

neodisher® LM 2

Liquid, mildly alkaline cleaning agent
for use in immersion and ultra sonic baths as well as in pipette washers

Main fields of application:

- Manual cleaning of laboratory glassware and surgical instruments in immersion and ultra sonic baths in hospitals, dental practices, medical, industrial and biological laboratories.
- Manual cleaning of utensils and cages for experimental animals.
- Cleaning of pipettes in special washers.
-

Characteristics:

neodisher® LM 2 contains low-foam surfactants and various cleaning enhancers. neodisher® LM 2 solutions are easily rinsed and do not produce any interfering foam. Due to this low-foam formulation the items to be cleaned can be machine washed without being rinsed beforehand.

neodisher® LM 2 removes organic residues, e.g. encrusted blood and protein residues as well as droppings from experimental animal cages and inorganic residues. The removal of dental cement is supported.

neodisher® LM 2 is extremely well suited to the ultrasonic cleaning of surgical and dental instruments, particularly micro instruments. If laboratory glassware is autoclaved before machine cleaning, a wet autoclaving with the addition of neodisher® LM 2 (30 ml/L) is recommended. Afterwards soil residues can be more easily removed in machine cleaning.

None of the usual laboratory utensil materials, e.g. glass, ceramic, stainless steel and plastic will be harmed by neodisher® LM 2 solutions. Objects made of light metals should be tested first.

The product can be used with any water hardness.

Application and dosage:

Manual cleaning of laboratory glassware and surgical instruments:
5 - 20 ml/l in immersion and ultrasonic baths
10 - 30 ml/l in pipette washers
Action time: 10 - 30 min.

The neodisher LM 2 solution has to be rinsed off completely with water (preferably deionised water).

Do not mix with the concentrates of other products.

For professional use only!

Technical data:

Density (20 °C): 1.2 g/cm³
pH-range (determined in deionised water, 20 °C) 5 - 30 ml/l : 10.6 - 11.3
Viscosity (concentrate, 20 °C): ‹ 10 mPas

Ingredients:

Ingredients according to Regulation (EC) No 648/2004 on detergents:
‹ 5 % amphoteric surfactants, anionic surfactants
15 - 30 % phosphates

CE-marks:

neodisher® LM 2 conforms to the requirements of the legislation for medical devices according to the European directive 93/42/EC.

Storage information:

The product is sensitive to frost. Usable for 3 years when stored as recommended.

neodisher® LM 3

Alkaline detergent for manual and automated cleaning of laboratory glassware - liquid concentrate

Main fields of application:

Manual and automated cleaning of laboratory glassware in medical, biological and water laboratories as well as in laboratories in the phosphate and metal industry.

Characteristics:

neodisher LM 3, with its highly-active low-foam wetting agent, has an excellent cleaning effect on all types of residues such as blood, protein and food residues, inorganic and organic residues as well as those with radioactive components.

Because of its low-foaming characteristic, neodisher LM 3 can be used for manual pre-cleaning and the laboratory glassware can be machine cleaned without a prior rinse.

neodisher LM 3 can also be used for the automated cleaning of laboratory glassware. neodisher LM 3 is well suited for use in special washers for e.g. viscosimeters or pipettes because it does not create foam.

neodisher LM 3 is phosphate-free. The concentrate contains less than 50 ppm P_2O_5. A 2 % solution in distilled water contains less than 1 ppm P_2O_5 and is therefore ideal for cleaning laboratory glassware in laboratories doing water, phosphate, metal, enzyme or serological analyses.

Laboratory utensils made of glass, ceramic, stainless steel and plastics will not be attacked. neodisher LM 3 is not suitable for aluminium, anodised aluminium and light metal alloys.

Application and dosage:

In immersion baths:	normal soiling:	20 ml/l (2 %)
	heavy soiling:	50 ml/l (5 %)
	extreme soiling:	200 ml/l (20 %)
	treatment time:	2 - 5 hrs, if necessary overnight
In ultrasonic baths:		2 – 20 ml/ (0.2 - 2.0 %)

In special washing machines via dosing devices:

for pipettes:	5 – 50 ml/l (0.5 - 5 %), depending on process or pre-cleaning
for viscosimeters:	5 – 50 ml/l (0.5 - 5 %)
for laboratory glassware:	5 – 10 ml/l (0.5 - 1 %)

Do not clean goods with neodisher LM 3 solutions which are sensitive to surfactants or alkalinity.

The neodisher LM 3 working solution has to be rinsed off completely (preferably with deionised water).

The instructions given by the manufacturer of the washer disinfector and the laboratory glassware are to be observed.

Rinse out dosing system including suction hose with water before changing product.

Do not mix with other products.

For professional use only.

Technical data:

Density (20 °C): 1.1 g/cm^3
pH-range (determined in deionised water, 20 °C) 20 – 200 ml/l: 12.3 - 13.3
Viscosity (concentrate, 20 °C): ‹ 10 mPa s
Titration factor: 1.6 (in accordance with neodisher titration method)

Ingredients:

Ingredients according to Regulation (EC) No 648/2004 on detergents:
‹ 5 % amphoteric surfactants

neodisher® LM 3

Alkaline detergent for manual and automated cleaning of laboratory glassware - liquid concentrate

Storage information:

Store in a frost-free place. Always store at a temperature between 0 °C and 30 °C. Usable for 2 years when stored as recommended. For expiry date refer to the stamp mark on the label behind the hourglass symbol ⧖.

Hazard and precautionary statements:

Dispose only when container is empty and closed. For disposal of product residues, refer to the Safety Data Sheet.

neodisher® MediClean advanced

Detergent for reprocessing thermostable and thermolabile instruments

Liquid concentrate

Fields of application:

- Automated cleaning of thermostable and thermolabile instruments including MIS instruments and micro-instruments, dental instruments, anaesthesia equipment, containers and other medical utensils
- Manual cleaning of thermostable and thermolabile instruments in immersion baths or ultrasonic baths
- Suitable for the manual and automated cleaning of da Vinci EndoWrist instruments and other instruments used in robot-assisted surgery

Performance spectrum:

- Reliably removes residues of dried and denatured blood, protein, fat, mucus, secretion and bone meal with a simultaneous high degree of material protection.
- Supports the removal of biofilms
- Fulfils the current recommendations of the German Robert-Koch-Institute (RKI) for minimising the transmission risk of the new variant of the Creutzfeldt-Jakob Disease (vCJD) when reprocessing medical devices
- Suitable for instruments, optics and utensils made of stainless steel (e.g. 1.4301), instrument steel (e.g. 1.4034), titanium, glass, ceramics, reprocessable plastics, materials of anaesthesia equipment and anodised aluminium
- Anodised aluminium must be tested first for suitability due to differing qualities.

Special properties:

- Highly concentrated: maximum yield for optimum economy and conservation of resources
- Excellent cleaning performance with minimised dosing amounts
- Low-foaming; dosing possible directly after the water inlet of the cleaning stage
- Increased efficiency when removing dull discolourations and deposits
- Gives brilliance to the instruments
- The reduction of biofilms has been tested and confirmed in accordance with ISO/TS 15883-5:2005
- When used for manual pre-cleaning, no rinsing of the cleaner solution is necessary for subsequent mechanical reprocessing
- A neutralisation step is not necessary
- Good rinsing properties

Application and dosage:

neodisher MediClean advanced can be used in washer disinfectors as well as in immersion and ultrasonic baths.
The dosing amount can be adapted to the area of application, the degree of soiling of the instruments and the requirements of the operator for the process used.
The following parameters are recommended when using neodisher MediClean advanced:

Automated cleaning of thermostable and thermolabile instruments	1 - 3 ml/l (0.1 – 0.3 %)*, 40 - 60 °C, 5 - 15 min **
Automated cleaning of containers made of anodised aluminium	1 - 2 ml/l (0.1 – 0.2 %)*, 40 - 50 °C, 3 - 5 min **
Automated cleaning of instruments used in robot-assisted surgery	2 - 3 ml/l (0.2 – 0.3 %)*, 40 - 60 °C, 10 - 30 min ***
Manual cleaning of thermostable and thermolabile instruments in immersion and ultrasonic baths	1 - 10 ml/l (0.1 – 1.0 %)*, 5 - 30 min**
Manual cleaning of instruments used in robot-assisted surgery in immersion and ultrasonic baths	5 - 10 ml/l (0.5 – 1.0 %)*, 5 - 30 min**/***

* the dosing amount depends on the degree of contamination
** the contact times depend on the water quality, the degree of soiling and the cleaning mechanics
*** The reprocessing recommendations of the medical device manufacturer in accordance with the requirements of DIN EN ISO 17664 and the procedure tests must be taken into account.

Use suitable dosing devices.

neodisher® MediClean advanced

neodisher MediClean advanced can be used with deionised water, softened water and drinking water. For automated methods, a maximum total hardness < 3°dH (< 0.5 mmol CaO/l) is required for the cleaning step and the intermediate rinse according to relevant recommendations.
For optimum results the use of deionised water is recommended in the cleaning step as well as in the final rinse.
When using deionised water in the final rinse water stains are avoided and anodised aluminium is protected at the same time.
When reprocessing ophthalmological instruments an additional intermediate rinse with water prior to the final rinse is recommended.
The working solution for manual cleaning is to be renewed daily and in the case of visible soiling.

Notes on application:

- For professional use only.
- Do not mix with other products.
- Rinse out dosing system including suction hose with water before changing product.
- Reprocessing should comply with all ordinances pursuant to the regulations on medical devices and should be performed with appropriate validated processes.
- The information on manual cleaning assumes application in procedures with consideration of sufficient cleaning mechanics (e.g. careful brush cleaning for endoscopes).
- The neodisher MediClean advanced working solution has to be rinsed off completely (preferably with deionised water).
- Please observe the reprocessing recommendations of the medical device manufacturers according to the requirements of the DIN EN ISO 17664.
- The instructions given by the manufacturer of the washer disinfector are to be observed.

Technical data:

pH-range	10.5 - 10.7 (1 - 10 ml/l, determined in deionised water, 20 °C), in mains water or softened water as well as with carried-over pre-rinsing water, the pH-value can be different.
Density	approx. 1.1 g/cm³ (20 °C)
Viscosity	< 10 mPa s (concentrate, 20 °C)
Titration factor	0.46 (according to the neodisher MediClean advanced titration instructions)

Ingredients:

Ingredients according to Regulation (EC) No 648/2004 on detergents:
5 - 15 % phosphonates, < 5 % non-ionic and anionic surfactants
also: enzymes

CE-marks: CE MD

neodisher MediClean advanced complies with European guidelines for medical devices.

If a serious incident occurs with the product, report it to the manufacturer and the relevant national authority.

Storage information:

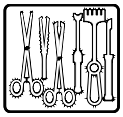
Store in a cool but frost-free place. Always store at a temperature between 0 °C and 25 °C. Keep away from sunlight. Usable for 2 years when stored as recommended. For expiry date refer to the stamp mark on the label behind the hourglass symbol.

Changes in the colour of the product may occur when storing in factory-sealed trade units. This has no impact on the properties of the product which are relevant for application.

Hazard and precautionary statements:

Dispose only when container is empty and closed. For disposal of product residues, refer to Safety Data Sheet.

neodisher® MediDry special



Rinse aid for the automated reprocessing of thermostable and thermolabile instruments

Liquid concentrate

Field of application:

Rinsing of medical devices such as surgical instruments incl. ophthalmological instruments, MIS instruments, anaesthesia utensils, instrument containers, implants as well as baby bottles in washer disinfectors

Performance spectrum:

- Supports the drying, especially of plastic materials
- Suitable for all materials, especially for accessories of anaesthesia utensils made of polysulfone (PSU) and polyphenylsulfone (PPSU) such as connectors of laryngeal masks, adaptors and container lids
- When neodisher MediDry special is used as intended the biocompatibility of the treated instruments is not affected (biological assessment of medical devices according to EN ISO 10993-1)

Special properties:

- Free of surfactants
- Acidic, neutralises alkaline residues
- Reduces the formation of stains when softened water is used in the final rinse
- Excellent material compatibility; prevents tension cracks in plastic materials during sterilisation

Application and dosage:

neodisher MediDry special is used in the final rinse in washer disinfectors. The dosing amount depends amongst other things on the water quality and the material of the items to be washed and is 0.3 - 1 ml/l.

Use suitable dosing devices.

General notes on application:

- For professional use only.
- Do not mix with other products.
- Rinse out dosing system including suction hose with water before changing product.
- The reprocessing of medical devices should comply with all ordinances pursuant to the Medical Device Directive and should be performed with appropriate validated processes.
- Please observe the reprocessing recommendations of the medical device manufacturers according to the requirements of the DIN EN ISO 17664.
- The instructions given by the manufacturer of the washer disinfector are to be observed.

Technical data:

pH-range	3.8 - 3.5 (0.3 - 1 ml/l, determined in deionised water, 20 °C)
Density	approx. 1.04 g/cm^3 (20 °C)
Viscosity	< 10 mPa s (concentrate, 20 °C)

Ingredients:

Ingredients according to Regulation (EC) No 648/2004 on detergents:

< 5% polycarboxylates

also preservatives (methylchloroisothiazolinone/methylisothiazolinone)

CE-mark: CE MD

neodisher MediDry special complies with European guidelines for medical devices.

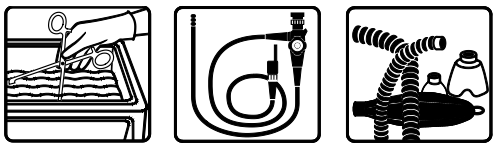
If a serious incident occurs with the product, report it to the manufacturer and the relevant national authority.

Storage information:

Always store at a temperature between 0 °C and 30 °C.

Usable for 3 years when stored as recommended. For expiry date refer to the stamp mark on the label behind the hourglass symbol ⌛.

neodisher® MultiZym



Detergent for the manual reprocessing of thermostable and thermolabile instruments

Liquid concentrate

Fields of application:

Manual cleaning of thermostable and thermolabile instruments, incl. MIS and micro instruments, dental instruments, flexible endoscopes, anaesthesia utensils, containers and other medical utensils in immersion and ultrasonic baths

Performance spectrum:

- Reliably removes residues such as dried and denatured blood, fats and secretions
- Achieves depletion of organic materials and prevents the redeposition of protein residues
- Removes biofilms
- Excellent material compatibility: suitable for stainless steel, instrument steel, optics, commonly used synthetic materials, anodised aluminium, silicone and materials used in anaesthesia utensils
- Good visibility of instruments in the solution
- Usable at all degrees of water hardness

Special properties:

- First-class cleaning performance
- Multi-enzymatic formula based on protease, lipase and amylase for an active residue-free cleaning action
- Free of boric acid and borates, free of perfumes and colorants

Application and dosage:

neodisher MultiZym can be used in immersion baths or ultrasonic baths. The dosing amount and application parameters depend among other things on the area of application and the degree of soiling of the instruments. The following parameters are recommended when using neodisher MultiZym:

Application recommendations	
Manual cleaning / normal dirt load	1 - 2.5 ml/l, 15 - 50 °C, 2 - 10 min
Manual cleaning / high dirt load	2.5 - 30 ml/l, 15 - 50 °C, 2 - 10 min
Manual cleaning in ultrasonic baths	1 - 30 ml/l, 15 - 50 °C, 2 - 10 min

The solution must be renewed at least daily; immediately in the case of visible soiling.

Notes on application:

- For professional use only.
- For economical and controlled dosing we recommend using manual dosing ancillaries, such as e.g. mixing equipment or dosing caps. Please contact us.
- Reprocessing should comply with all ordinances pursuant to the regulations on medical devices and should be performed with appropriate validated processes.
- The neodisher MultiZym solution has to be rinsed off completely (preferably with deionised water).
- Please observe the reprocessing recommendations of the medical device manufacturers according to the requirements of the DIN EN ISO 17664.
- Do not mix with other products.

Technical data:

pH range	8.4 - 8.6 (1 - 30 ml/l, determined in deionised water, 20 °C)
Viscosity	< 50 mPa s (concentrate, 20 °C)
Density	approx. 1.1 g/cm^3 (20 °C)

Ingredients:

Ingredients according to Regulation (EC) No 648/2004 on detergents:
5-15 % non-ionic surfactants,
< 5 % anionic surfactants,
also enzymes, preservatives (methylisothiazolinone, octylisothiazolinone)

CE-mark: CE MD

neodisher MultiZym complies with European guidelines for medical devices.

If a serious incident occurs with the product, report it to the manufacturer and the relevant national authority.

neodisher® MultiZym

Storage information:

Always store between 0 °C and 25 °C. Keep away from sunlight. Usable for 2 years when stored as recommended. For expiry date refer to the stamp mark on the label behind the hourglass symbol ⌛.

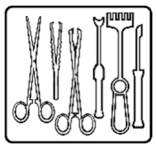
Hazard and precautionary statements:

Dispose only when container is empty and closed. For disposal of product residues, refer to the Safety Data Sheet.

neodisher® PM 5

Mildly alkaline cleaning agent for use in immersion baths

Powder



Fields of application:

- Manual cleaning of laboratory glassware in hospital, medical and biological laboratories as well as laboratories of the food and food processing industry
- Pre-cleaning of reprocessable medical devices, particulary for gynaecological instruments.

Performance spectrum:

- Good cleaning ability to remove food residues, inorganic, organic and gynaecological residues such as lubricants
- Suitable for all types of laboratory utensils, including light metals equipment and stainless steel
- Anodised aluminium parts must be pre-tested

Special properties:

- Good material compatibility
- Very easily rinsed off
- Suitable for all water hardnesses

Application and dosage:

neodisher PM 5 can be used in immersion baths. To achieve optimal cleaning results, neodisher PM 5 must be completely dissolved.
The dosage and the application parameters depend, amongst other things, on the area of application and the degree of soiling of the instruments and laboratory glassware.

The following parameters are recommended when using neodisher PM 5:

Application recommendation	
Manual cleaning of laboratory glassware (normal soiling)	5 g/l (0.5 %), 20 - 50 °C, 10 - 20 min
Manual cleaning of laboratory glassware (stubborn soiling)	10 – 20 g/l (1 – 2 %), 20 - 50 °C, 2 – 4 hours, if need be: leave immersed in solution over night
Pre-cleaning of medical devices	5 – 20 gl/l (0.5 – 2 %), 20 – max 45 °C, 2 – 4 hours

The working solution is to be renewed daily and in case of visible soiling.

Due to the cleaning with neodisher PM 5, the inner walls of pipettes and measuring devices are kept fully wettable, therefore the use of chromium sulphuric acid is unnecessary.

Layers of sorbents of self-coated plates in thin layer chromatography can be cleaned completely using 1 - 2 % solutions of neodisher PM 5.

Notes on application:

- The neodisher PM 5 solution has to be rinsed off completely (preferably with deionised water).
- Do not mix with other products.
- Reprocessing of medical devices should comply with all ordinances pursuant to the regulations on medical devices and should be performed with appropriate validated processes.
- For professional use only.
- Please observe the reprocessing recommendations of the medical device manufacturers according to the requirements of DIN EN ISO 17664.
- The instructions given by the manufacturer of the lab glasses and the washer disinfector are to be observed

neodisher® PM 5

Technical data:

pH range	11.2 – 11.8 (0.5 – 2 %, determined in demineralised water, 20 °C)
Bulk weight	1,100 – 1,200 g/l
Titration factor	1.21 (in accordance with the neodisher titration method)

Ingredients:

Ingredients according to Regulation (EC) No 648/2004 on detergents:
< 5% anionic surfactants, non-ionic surfactants, oxygen-based bleaching agents
> 30% phophates.

CE-mark: CE MD

neodisher PM 5 complies with European guidelines for medical devices.
If a serious incident occurs with the product, report it to the manufacturer and the relevant national authority.

Storage information:

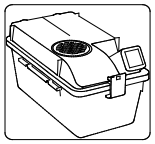
Keep containers tightly closed. Product is affected by moisture.

Always store at a temperature between -10 °C to 25 °C. Usable for 2 years when stored as recommended. For expiry date refer to the stamp mark on the label behind the hourglass symbol ⌛.

Hazard and precautionary statements:

Dispose only when container is empty and closed. For disposal of product residues, refer to the Safety Data Sheet.

neodisher® PolyKlar



Rinse aid for the automated reprocessing of animal cages

Fields of application:
Rinsing of animal cages and accessories as well as cage, storage and transport racks during automated reprocessing

Performance Spectrum:
- Improves and accelerates drying considerably, particularly of plastic materials
- Suitable for materials usually used for animal cages, e.g. polysulfones, polycarbonates, polyphenylsulfones and polyetherimides

Special Properties:
- Free of surfactants, acidic formulation - neutralises alkaline residues
- Excellent material compatibility, prevents the formation of stress cracks during autoclaving
- Toxicologically safe

Application and dosage:
neodisher PolyKlar is used in specially designed washers for animal cages and accessories as well as cage, storage and transport racks. The dosing amount depends among other things on the material of the items to be washed and is 0.5 - 2.0 ml/l.

Use suitable dosing devices.

For the automated cleaning of animal cages and accessories we recommend using neodisher LaboClean FLA in the alkaline process and neodisher N in the acidic process.

General instructions on use:
- Do not mix with other products.
- Rinse out dosing system including hose with water before changing product.
- For professional use only.
- The instructions given by the manufacturer of the washer are to be observed.
- Please observe the recommendations on reprocessing given by the manufacturers of the animal cages and the items to be washed as well as the recommendations of the working group for cage processing (AK KAB) in the current issue of the AK KAB brochure “Cage Processing in Animal Facilities properly done”.

Technical data:

pH-range	3.6 - 3.2 (0.5 - 2 ml/l, determined in deionised water, 20 °C)
Density	approx.1.0 g/cm^3 (20 °C)
Viscosity	< 10 mPa s (concentrate, 20 °C)

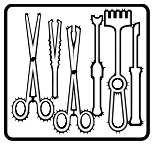
Ingredients:
Ingredients according to Regulation (EC) No 648/2004 on detergents:
< 5 % polycarboxylates,
also: preservatives (chloromethylisothiazolinones/ methylisothiazolinones)

Storage information:
Always store at a temperature between 0 °C and 30 °C. Usable for 3 years when stored as recommended. For expiry date refer to the stamp mark on the label behind the hourglass symbol ⌛.

Hazard and precautionary statements:
Dispose only when container is empty and closed. For disposal of product residues, refer to Safety Data Sheet.

neodisher® PreStop

Corrosion inhibitor for the pre-treatment of surgical instruments



Spray foam

Fields of application:

- Corrosion inhibitor for spraying onto surgical instruments in operating theatres directly after use

Performance spectrum:

- Corrosion inhibitor: prevents pitting corrosion on stainless steel instruments which can be caused by adhesive residues of blood or physiological saline solution
- Self-acting pre-cleaning already in the OR
- Suitable for surgical instruments incl. MIS instruments
- Anodised aluminium must be tested for suitability before use

Special properties:

- Prevents drying of surgical residues by keeping the instruments wet
- Facilitates subsequent cleaning
- Inhibits the growth of micro-organisms on instruments during contact time (bacteriostatic)

Application and dosage:

neodisher PreStop is applied undiluted with the foam sprayer onto the surgical instruments within the disposal container directly after the operation; ensuring a complete wetting. The disposal container must then be kept closed. The instruments treated with neodisher PreStop can be stored for up to 72 hours. Then rinse carefully and reprocess as usual.

General instructions for use:

- For professional use only.
- For applying neodisher PreStop the foam sprayer which is within the scope of delivery is to be used.
- Do not mix with other products.
- neodisher PreStop must be rinsed off with water (preferably deionised).
- Reprocessing should comply with all ordinances pursuant to the regulations on medical devices and should be performed with appropriate validated processes.
- Please observe the reprocessing recommendations of the medical device manufacturers according to the requirements of the DIN EN ISO 17664.

Technical data:

pH-value	9.5 (undiluted, 20 °C)
Density	Approx.. 1.0 g/cm^3 (20 °C)

Ingredients:

< 5 % anionic and amphoteric surfactants
also enzymes, preservatives (3-Iodo-2-propinyl butylcarbamate, 1,2-benzisothiazol-3(2H)-one)

CE-mark: CE MD

neodisher PreStop complies with European guidelines for medical devices.
If a serious incident occurs with the product, report it to the manufacturer and the relevant national authority.

Storage information:

Always store at a temperature between 0 °C and 25 °C. Keep container tightly closed. Keep away from sunlight. Usable for 2 years when stored as recommended. For expiry date refer to the stamp mark on the label behind the hourglass symbol.

Hazard and precautionary statements:

neodisher PreStop is not a hazardous product according to the CLP-Regulation (EC) No 1272/2008.
Dispose only when container is empty and closed. For disposal of product residues, refer to Safety Data Sheet.

neodisher® ProTech 10*

* formerly neodisher 722

**Liquid, alkaline cleaning agent for use in special washers;
free of phosphates and active chlorine, complexing agent free**

Main fields of application:

For the mechanical cleaning of production parts in industrial applications, such as coated data glass plates, as well as in the metal industry, where complexing agent-free detergents are required.

Characteristics:

neodisher ProTech 10 is a liquid, alkaline detergent. Saponifiable or alkali-soluble residue on production parts or other materials are dissolved.

neodisher ProTech 10 contains no silicone compounds, phosphates, active chlorine or other complexing agents. Nickel chrome steel, plastics and rubber (resistant against alkalinity) are not attacked. neodisher ProTech 10 is unsuitable for cleaning aluminum, eloxal und light alloys.

neodisher ProTech 10 can only be used with soft water.

Application and dosage:

2 - 4 ml/l

Subsequently the neodisher ProTech 10-solution has to be rinsed out completely by sufficient rinsing. Do not mix with other products.

Rinse out dosing system including hose with water before changing product.

Only for professional use.

Technical data:

Density (20 °C): 1.45 g/cm^3
pH-range (determined in deionised water, 20 °C) 2 - 4 ml/l: 12.3 - 12.6
Viscosity (concentrate, 20 °C): ‹ 50 mPas
Titration factor: 0.21 (in accordance with neodisher titration method)

Ingredients:

Alkali

Storage information:

The product is sensitive to frost. The colour of neodisher ProTech 10 can change due to the storage conditions, the application properties will not be affected.

Hazard and precautionary statements:

If applied according to the instructions for use the product is safe according to the appropriate guidelines for food processing.

Dispose only when container is empty and closed. For disposal of product residues, refer to the Material Safety Data Sheet.

neodisher® ProTech 16

Liquid corrosion protective
for use in special washing machines

Main fields of application:

Additive to protect from corrosion in automated cleaning of finished or semimanufactured components of corrosion-sensitive steels in the metalworking industry.

Characteristics:

neodisher ProTech 16 is a liquid, alkaline corrosion protective for use in washers with aqueous working solutions. A particular active ingredient combination gives neodisher ProTech 16 good wetting properties with a foam-reducing action.

neodisher ProTech 16 is suitable as a temporary corrosion protection on metal surfaces. It was developed to be suitable for automated cleaning of sensitive steels and can be added directly after the alkaline cleaning step into the intermediate rinse or the final rinse to protect from corrosion.

neodisher ProTech 16 contains no oxidising agent or silicon compounds.

Parts which have been treated with neodisher ProTech 16 can be post-treated, e.g. powder coated or mordanted.

Application and dosage:

In special washing machines:
The addition of 0.1 - 0.3 ml/l of neodisher ProTech 16 into the intermediate rinse or into the final rinse (softened or deionised water) at a temperature up to 60 °C provides temporary corrosion protection for steels.

Do not mix with other products. Only for professional use.

Technical data:

Density (20 °C): 1.03 g/cm³
pH-range (determined in deionised water, 20 °C) 0.1 - 0.3 ml/l: 9.9 - 10.8
Viscosity (concentrate, 20 °C): ‹ 50 mPas

Ingredients:

Ingredients according to Regulation (EC) No 648/2004 on detergents:
‹ 5 % amphoteric surfactants

Storage information:

Sensitive to frost below - 15 °C.

Hazard and precautionary statements:

Dispose only when container is empty and closed. For disposal of product residues, refer to the Material Safety Data Sheet.

neodisher® ProTech 5

pH-neutral detergent for use in special washers – liquid concentrate

Main fields of application:

Automated cleaning of printed circuit boards, plastic housings, assemblies and other highly sensitive materials in the printed circuit board industry and in the industrial sector.

Characteristics:

neodisher ProTech 5 is a special detergent in neutral pH formulation with excellent material compatibility. The special combination of special surfactants and solvents gives neodisher ProTech 5 highly effective wetting and cleaning characteristics for the removal of fluxes and dust in a low-foam composition. neodisher ProTech 5 contains neither acids or alkalis, nor oxidizing agents or silicone compounds.

neodisher ProTech 5 is suitable for cleaning surfaces made of metal, plastic and other sensitive materials. It was developed especially for use in special washers for cleaning highly sensitive components. Because of its excellent material compatibility, neodisher ProTech 5 is particularly suitable for the cleaning of printed circuit boards and removes the fluxes used during printed circuit board production.

Application and dosage:

neodisher ProTech 5 is used in special washers. 5 – 10 ml/l neodisher ProTech 5, depending on application and degree of soiling, is dosed via dosing units.

Cleaning of circuit boards:
Fluxes with solid components based on resin (colophony) are removed in special washers with a concentration of 10 ml/l in deionised water at 60 - 85 °C.

Cleaning of plastic housings:
Dust from the plastic housings of display screens is removed almost without trace in special washers with 5 ml/l at operating temperatures of 60 - 85 °C. To achieve better drying the addition of neodisher TS to the final rinse is recommended.

Subsequently the neodisher ProTech 5-solution has to be rinsed off completely by sufficient rinsing.

For economical and controlled dosing we recommend using central dosing systems, automated dosing systems and if required other dosing ancillaries. Please contact us..

The instructions given by the manufacturer of the washer are to be observed.

Do not mix with other products.

Rinse out dosing system including hose with water before changing product.

For professional use only.

Technical data:

Density (20 °C): 1.0 g/cm³
pH-range (determined in deionised water, 20 °C) 5 - 10 ml/l: 6.0 - 6.3
Viscosity (concentrate, 20 °C): < 100 mPa s

Ingredients:

Ingredients according to Regulation (EC) No 648/2004 on detergents:
> 30 % nonionic surfactants

Storage information:

Sensitive to frost below - 15 °C.

neodisher ProTech 8

Mildly alkaline detergent, powder

Free of oxidising agents and silicone compounds

For the automated cleaning of soldering frames and surfaces made of stainless steel, aluminium, ceramics, glass and alkaline compatible plastics. Especially suitable for removing flux and colophony. Material compatible, with excellent defoaming properties. Good compatibility with hardness constituents in water.

Container	Content	Item no.
Bucket	8 kg	4013 76

neodisher® ProTech 9

**Liquid mildly alkaline cleaning agent
for use in special washing machines**

Main fields of application:

Mechanical cleaning of printed circuit boards in the electronics industry.

Characteristics:

neodisher ProTech 9 has a mildly alkaline formulation and removes flux, dust and other disruptive residues from printed circuit boards.

neodisher ProTech 9 is suitable for cleaning surfaces made of alkali-resistant metals and plastics.

Because of its proportion of special surfactants, neodisher ProTech 9 has a good wetting and anti-foam action.
neodisher ProTech 9 contains neither oxidising agents nor silicon compounds.

Application and dosage:

In special washing machines:1 - 3 ml/l using suitable dosing devices.

Notes:

For cleaning of items with alkali-soluble or dispersible and emulsifiable residues:

Metering 3 ml/l neodisher ProTech 9 in softened water.

Cleaning temperatures between 60 ° and 85 °C.

To accelerate drying, a rinse-aid may be added to the final rinse water.

Subsequently the neodisher ProTech 9-solution has to be rinsed out completely by sufficient rinsing.

Do not mix with other products.

Technical data:

Density (20 °C): 1.4 g/cm^3
pH-range (determined in deionised water, 20 °C) 1 - 3 ml/l: 11.0 - 12.0
Viscosity (concentrate, 20 °C): ‹ 50 mPas
Titration factor: 0.71 (in accordance with neodisher titration method)

Ingredients:

Ingredients according to Regulation (EC) No 648/2004 on detergents:
‹ 5 % nonionic, kationic and amphoteric surfactants
15 - 30 % phosphates

Storage information:

Sensitive to frost below - 15 °C. Usable for 2 years when stored as recommended.

Hazard and precautionary statements:

Dispose only when container is empty and closed. For disposal of product residues, refer to the Material Safety Data Sheet.

neodisher® SBK

Special rinse aid for use in washer-disinfectors for bedpans

Liquid concentrate

Fields of application:

- Complexing water hardness and rinsing when reprocessing bedpans and urine bottles in bedpan washer-disinfectors with steam disinfection

Performance spectrum:

- Effectively prevents lime residues in steam generators, pipes and jets also at high degrees of water hardness
- With special components for effectively complexing water hardness
- For rapid and stain-free drying

Special properties:

- Foam-reducing; suitable for all acid-compatible washer-disinfectors for bedpans and urine bottles with steam disinfection
- Suitable for all degrees of water hardness
- Acidic, based on organic acids

Application and dosage:

neodisher SBK is used in bedpan washer-disinfectors with steam disinfection. neodisher SBK is dosed using dosing equipment installed in the washer-disinfector. The dosing amount is 0.5 - 1.5 ml/l depending on water hardness. Dosing systems and steam generators must be acid-compatible.

For removing stubborn soiling we recommend the additional use of neodisher SBR extra, a special detergent for bedpans and urine bottles.

Notes on application:

- For professional use only.
- Rinse out dosing system including suction hose with water before changing product.
- Reprocessing should comply with all ordinances pursuant to the regulations on medical devices and should be performed with appropriate validated processes.
- Please observe the reprocessing recommendations of the medical device manufacturers according to the requirements of the DIN EN ISO 17664.
- The instructions given by the manufacturer of the washer disinfector are to be observed.
- Do not mix with other products.

Technical data:

pH-range	3.7 - 3.0 (0.5 - 1.5 ml/l, determined in deionised water, 20 °C)
Viscosity	< 50 mPa s (concentrate, 20 °C)
Density	approx. 1.1 g/cm^3 (20 °C)

Ingredients:

Ingredients according to Regulation (EC) No 648/2004 on detergents:
< 5 % polycarboxylates
also preservatives (potassium sorbate, methylchloroisothiazolinone/methylisothiazolinone)

CE-marks: CE MD

neodisher SBK complies with European guidelines for medical devices.

If a serious incident occurs with the product, report it to the manufacturer and the relevant national authority.

Storage information:

Always store at a temperature between 0 °C and 30 °C. Usable for 3 years when stored as recommended. For expiry date refer to the stamp mark on the label behind the hourglass symbol ⌛.

neodisher® SBN plus

Special rinse aid for use in washer-disinfectors for bedpans

Liquid concentrate

Fields of application:

- Complexing water hardness and rinsing when reprocessing bedpans and urine bottles in bedpan washer-disinfectors with steam disinfection

Performance spectrum:

- Effectively prevents lime residues in steam generators, pipes and jets also at high degrees of water hardness
- With special components for effectively complexing water hardness
- With surfactants in a low-foam formula for optimized, rapid and stain-free drying without limescale deposits

Special properties:

- With a fresh and pleasant odour, reliably covers unpleasant odours
- Suitable for all degrees of water hardness
- Acidic, based on organic acids

Application and dosage:

neodisher SBN plus is used in bedpan washer-disinfectors with steam disinfection. neodisher SBN plus is dosed using dosing equipment installed in the washer-disinfector. The dosing amount is 0.5 - 1.5 ml/l depending on water hardness. Dosing systems and steam generators must be acid-compatible.

For removing stubborn soiling we recommend the additional use of neodisher SBR extra, a special detergent for bedpans and urine bottles.

Notes on application:

- For professional use only.
- Rinse out dosing system including suction hose with water before changing product.
- Reprocessing should comply with all ordinances pursuant to the regulations on medical devices and should be performed with appropriate validated processes.
- Please observe the reprocessing recommendations of the medical device manufacturers according to the requirements of the DIN EN ISO 17664.
- The instructions given by the manufacturer of the washer disinfector are to be observed.
- Do not mix with other products.

Technical data:

pH-range	3.5 - 3.1 (0.5 - 1.5 ml/l, determined in deionised water, 20 °C)
Viscosity	< 50 mPa s (concentrate, 20 °C)
Density	approx. 1.1 g/cm^3 (20 °C)

Ingredients:

5 - 15 % non-ionic surfactants
< 5 % polycarboxylates
also preservatives (methylchloroisothiazolinone/methylisothiazolinone), perfumes

CE-marks: CE MD

neodisher SBN plus complies with European guidelines for medical devices.

If a serious incident occurs with the product, report it to the manufacturer and the relevant national authority.

Storage information:

Always store at a temperature between 0 °C and 30 °C. Usable for 3 years when stored as recommended. For expiry date refer to the stamp mark on the label behind the hourglass symbol.

Hazard and precautionary statements:

For safety information see Safety Data Sheets.

neodisher® SBR extra

Detergent for use in washer disinfectors for bedpans

Liquid concentrate

Fields of application:

- Automated cleaning of bedpans and urine bottles in bedpan washer disinfectors

Performance spectrum:

- Removes even stubborn stains such as saponified lime residues and residues from cytostatic agents from human excrements

Special properties:

- Low-foam formulation
- Can be used in water of any hardness
- Also usable in suitable bedpan washer disinfectors for the complexing of water hardness and rinsing

Application and dosage:

neodisher SBR extra can be used in bedpan washer disinfectors that are equipped with a dosing pump for detergents. The dosage is 1 - 3 ml/l depending on the water hardness and the degree of contamination in the cleaning step.

Notes on application:

- For professional use only.
- Rinse out dosing system including suction hose with water before changing product.
- The neodisher SBR extra-solution has to be rinsed off completely with water.
- Reprocessing should comply with all ordinances pursuant to the regulations on medical devices and should be performed with appropriate validated processes.
- Please observe the reprocessing recommendations of the medical device manufacturers according to the requirements of the DIN EN ISO 17664.
- The instructions given by the manufacturer of the washer disinfector are to be observed.
- Do not mix with other products.

Technical data:

pH range	11.2 - 11.5 (1 - 3 ml/l, determined in deionised water, 20 °C)
Viscosity	< 50 mPa s (concentrate, 20 °C)
Density	approx. 1.2 g/cm³ (20 °C)

Ingredients:

Ingredients according to Regulation (EC) No 648/2004 on detergents:
< 5 % phosphonates
15 - 30 % EDTA

CE-mark: CE MD

neodisher SBR extra complies with European guidelines for medical devices.

If a serious incident occurs with the product, report it to the manufacturer and the relevant national authority.

Storage information:

Always store at a temperature between 0 °C and 30 °C. Usable for 3 years when stored as recommended. For expiry date refer to the stamp mark on the label behind the hourglass symbol.

Hazard and precautionary statements:

Dispose only when container is empty and closed. For disposal of product residues, refer to the Safety Data Sheet.

neodisher® SBX

Complexing agent for the automated reprocessing of bedpans

Liquid concentrate

Fields of application:

- Complexing water hardness to prevent the formation of lime deposits during the automated reprocessing of bedpans and urine bottles

Performance spectrum:

- Prevents lime residues in steam generators, pipes and jets

Special properties:

- For sequestration of water hardness
- Suitable for all degrees of water hardness
- Mildly alkaline formulation

Application and dosage:

neodisher SBX is used in bedpan washer disinfectors with steam disinfection. neodisher SBX is dosed via the dosing system integrated in the bedpan washer disinfector. The dosing amount is 1–3 ml/l depending on the degree of water hardness.

neodisher SBX can be dosed directly into the water used for steam generation or alternatively it may be dosed into a water reservoir in the bedpan washer disinfector, from which the water is taken for the cleaning step and the steam generation.

For removing stubborn soiling we recommend the additional use of neodisher SBR extra, a special detergent for the automated cleaning of bedpans and urine bottles.

Notes on application:

- For professional use only.
- Rinse out dosing system including suction hose with water before changing product.
- Reprocessing should comply with all ordinances pursuant to the regulations on medical devices and should be performed with appropriate validated processes.
- Please observe the reprocessing recommendations of the medical device manufacturers according to the requirements of the DIN EN ISO 17664.
- Do not mix with other products.
- The instructions given by the manufacturer of the washer disinfector are to be observed.

Technical data:

pH-range	10.0 – 10.2 (1 - 3 ml/l, determined in deionised water, 20 °C)
Viscosity	< 50 mPa s (concentrate, 20 °C)
Density	approx. 1.2 g/cm^3 (20 °C)

Ingredients:

Ingredients according to Regulation (EC) No 648/2004 on detergents:
15 - 30 % polycarboxylates

CE-marks: CE MD

neodisher SBX complies with European guidelines for medical devices.

If a serious incident occurs with the product, report it to the manufacturer and the relevant national authority.

Storage information:

Store in a cool and frost-free place. Always store at a temperature between 0 °C and 30 °C. Usable for 3 years when stored as recommended. For expiry date refer to the stamp mark on the label behind the hourglass symbol ⌛.

neodisher® SBX

Hazard and precautionary statements:

neodisher SBX is not a hazardous product according to the CLP-Regulation (EC) No 1272/2008.

Dispose only when container is empty and closed. For disposal of product residues, refer to the Safety Data Sheet.

neodisher® Septo Active

Disinfectant for the manual reprocessing of thermostable and thermolabile instruments

Granulate

Fields of application:

- Manual disinfection of thermostable and thermolabile instruments, including flexible endoscopes
- Also for manual cleaning with disinfecting action in immersion baths and ultrasonic baths

Performance spectrum:

- Bactericidal, fungicidal, mycobactericidal, virucidal and sporicidal activity has been confirmed and certified
- Disinfecting activity has been tested and proved according to European standards[1], VAH[2] and DVV/RKI[3] methods
- Good cleaning performance, no protein fixation
- Coated granulate – low dust, easily soluble
- Suitable for materials such as stainless steel, anodized aluminium, plastic (incl. silicone)
- Not suitable for instruments made of brass and copper or for mechanically pre-damaged chromed or nickel-plated surfaces
- VAH[2]-listed
- ÖGHMP[4]-listed
- On the list of the IHO[5] for disinfectants

Special properties:

- Excellent material compatibility
- Usable at all degrees of water hardness
- pH neutral formula with a pleasant odour, free of perfumes
- Based on peracetic acid – no incompatibilities with other active substances
- Free of aldehydes, amines and quaternary ammonium compounds

Application and dosage:

neodisher Septo Active can be used in immersion baths or ultrasonic baths. Depending on the desired activity a solution is prepared according to the application recommendations listed below. For this neodisher Septo Active is completely dissolved in maximally lukewarm water by stirring. The working solution is ready to use after 15 minutes.
The medical devices are disassembled resp. opened according to manufacturer's instructions and are cleaned or soaked for disinfection in the working solution.
All surfaces must be completely wetted with the disinfectant solution. Air bubbles must be removed. The treatment time in ultrasonic baths should not exceed the time given in the instrument manufacturer's instructions.

Application recommendation (20 °C)	
Disinfecting cleaning bactericidal, yeasticidal, active against enveloped viruses (incl. e.g. HBV, HIV, HCV)	10 g/l (1.0 %), 5 min
incl. sporicidal against Clostridium difficile	10 g/l (1.0 %), 15 min
Disinfection bactericidal, mycobactericidal, fungicidal, virucidal (incl. e.g. rotavirus, norovirus, HAV), sporicidal against Clostridium difficile	20 g/l (2.0 %), 15 min
incl. sporicidal	20 g/l (2.0 %), 60 min*

* When routinely reprocessed with the immersion method with a contact time of 60 minutes material alterations, especially with plastics, cannot be excluded and can therefore shorten the service life of medical devices.

For the exact dosage with the neodisher dosing cap or dosing from the sachet, please refer to the corresponding dosing table.

neodisher® Septo Active

Dosing table		
solution volume	**desired concentration of the working solution**	
	1.0 %	2.0 %
	required amount of granulate (scale of neodisher graduated dosing cap)	
3 l	37.5 ml	75 ml
5 l	62.5 ml	125 ml
10 l	125 ml	250 ml
30 l	375 ml	750 ml

Note on application: Prepare the required water volume in the bath. Then add the corresponding amount of granulate according to the table with the aid of the neodisher dosing cap (for volume refer to the scale of the cup) or add from the sachet (1 sachet = 100 g).

With the aid of the neodisher test strips (item no. 981320) the concentration of the working solution can be determined. The solution is to be renewed at least daily resp. immediately if it is visibly dirty or if too low an amount of active substance is indicated.
The neodisher Septo Active solution must not be allowed to dry.

General notes on application:

- For professional use only!
- For controlled dosing please use manual dosing and application aids, such as e.g. the neodisher dosing cap, if necessary.
- It is generally recommended to wear gloves when working with disinfectants.
- Do not mix with other products.
- Storage and transport is only permitted in original packaging.
- Reprocessing should comply with all ordinances pursuant to the regulations on medical devices and should be performed with appropriate validated processes.
- The neodisher Septo Active working solution has to be rinsed off completely with water (preferably with deionised water).
- Please observe reprocessing recommendations of the medical device manufacturers according to the requirements of DIN EN ISO 17664.

Expert reports:

The disinfecting activity has been confirmed by certification. We will be pleased to provide certificates on request.

Technical data:

pH-range	7.6 - 7.9 (20 g/l, determined in mains water, 20°C)
Bulk density	approx. 800 g/l

Ingredients:

Ingredients according to Regulation (EC) No 648/2004 on detergents:
< 5 % phosphates, non-ionic surfactants
> 30 % oxygen-based bleaching agents
The active substance peracetic acid is formed when preparing the working solution. A 1.0% working solution (10 g granulate per litre water) contains 0.15% peracetic acid.

CE-mark: CE MD 0297

neodisher Septo Active complies with European guidelines for medical devices.

If a serious incident occurs with the product, report it to the manufacturer and the relevant national authority.

Storage information:

Always store at a temperature between 0 °C and 25 °C. Keep away from sunlight. Usable for 2 years when stored as recommended. For expiry date refer to the stamp mark on the label behind the hourglass symbol ⌛.

neodisher® Septo Active

Hazard and precautionary statements:

Dispose only when container is empty and closed. For disposal of product residues, refer to the Safety Data Sheet.

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1 EN 13727, EN 14561, EN 13624, EN 14562, EN 14348, EN 14563, EN 14476, EN 17111, EN 17126
2 Verbund für Angewandte Hygiene e.V. (Association of Applied Hygiene)
3 Deutsche Vereinigung zur Bekämpfung der Viruskrankheiten/ Robert Koch-Institut (German Association for the Control of Virus Diseases/Robert Koch Institute, Germany)
4 Österreichische Gesellschaft für Hygiene, Mikrobiologie und Präventivmedizin (Austrian Society of Hygiene, Microbiology and Preventive Medicine)
5 Industrieverband Hygiene und Oberflächenschutz (Industry Association Surface Protection and Hygiene, Germany)

neodisher® Septo Fin

Disinfectant for the manual reprocessing of thermostable and thermolabile instruments

Liquid concentrate

Fields of application:

- Manual disinfection of thermostable and thermolabile instable instruments, including flexible endoscopes, TEE probes, MIS instruments and anaesthetic equipment

Performance spectrum:

- Bactericidal (incl. MRSA, H.pylori), mycobactericidal (incl. tuberculosis pathogen), fungicidal, virucidal and sporicidal (C. difficile) activity has been confirmed and certified
- Disinfecting activity has been tested and proved according to European standards, VAH[1] and DVV/RKI[2] methods
- Low-foam formulation, suitable for semi-automatic circulation processes.
- Compatible with all neodisher process chemicals for reprocessing in washer disinfectors resp. AERs
- Suitable for materials such as stainless steel, chrome nickel steel, anodised aluminium, plastics (incl. silicone), rubber, porcelain and glass, non-ferrous metals
- VAH[1]-listed, ÖGHMP[3]-listed, on the list of the IHO[4] list of disinfectants
- Pleasant odour, mildly perfumed

Special properties:

- Free of formaldehyde and glyoxal
- Excellent material compatibility
- Usable at all degrees of water hardness

Application and dosage:

neodisher Septo Fin can be used in immersion baths and semi-automatic machines. Depending on the desired activity a solution is prepared according to the application recommendations listed below.

Before disinfecting, the instruments resp. endoscopes are to be cleaned thoroughly, e.g. with the detergents neodisher MediClean forte or neodisher endo CLEAN. Then rinse the instruments resp. endoscopes thoroughly, immerse them in the neodisher Septo Fin-solution and adhere to the respective action time. Instruments are to be dismantled and opened as far as possible. All surfaces must be completely wetted with the disinfectant solution. Air bubbles must be removed.

Disinfecting activity (20 °C, clean conditions)	
bactericidal, yeasticidal (VAH, EN 13727, EN 13624, EN 14561, EN 14562)	30 ml/l (3.0 %), 15 min 20 ml/l (2.0 %), 30 min 10 ml/l (1.0 %), 60 min
mycobactericidal (EN 14348, EN 14563)	50 ml/l (5.0 %), 30 min 40 ml/l (4.0 %), 60 min
fungicidal (EN 13624, EN 14562)	50 ml/l (5.0 %), 60 min
Sporicidal against C. difficile (EN 17126)	40 ml/l (4.0 %), 24 hrs
active against enveloped viruses (EN 14476, EN 17111, RKI/DVV[2])	10 ml/l (1.0 %), 15 min
virucidal (EN 14476, EN 17111)	40 ml/l (4.0 %), 15 min 30 ml/l (3.0 %), 30 min

neodisher® Septo Fin

After expiry of the action time rinse the instruments thoroughly with running water of at least drinking water quality (preferably with deionised water).
The stability of an unused working solution is 28 days. However, contaminated working solutions are to be renewed daily, in the case of visible soiling immediately according to the Robert-Koch-Institute guidelines.

Notes on application:

- For professional use only!
- It is generally recommended to wear gloves when working with disinfectants.
- For controlled dosing we recommend using manual dosing aids, e.g. dosing equipment for disinfectants such as neomatik mediDOS. Please contact us.
- Do not mix with other products.
- Storage and transport is only permitted in original packaging.
- Reprocessing should comply with all ordinances pursuant to the Medical Device Directive and should be performed with appropriate validated processes.
- Please observe the reprocessing recommendations of the medical device manufacturers according to the requirements of the DIN EN ISO 17664.Before and after using aldehyde-containing disinfectants such as neodisher Septo Fin no amine-containing products should be used as to avoid the formation of layers.

Expert reports:

The disinfecting activity has been confirmed by certification. We will be pleased to provide certificates on request.

Technical data:

pH-value	Approx. 4.0 (10 - 70 ml/l, determined in deionised water, 20 °C)
density	Approx. 1.1g/cm^3 (20 °C)
viscosity	< 50 mPa s (concentrate, 20 °C)

Ingredients:

Active substances in 100 g: 15 g glutaral

CE-mark:

CE 0297 MD

neodisher® Septo Fin complies with European guidelines for medical devices.
If a serious incident occurs with the product, report it to the manufacturer and the relevant national authority.

Storage information:

Always store at a temperature between 0 °C and 30 °C. Usable for 3 years when stored as recommended. For expiry date refer to the stamp mark on the label behind the hourglass symbol ⌛.

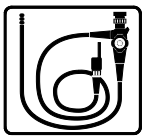
Hazard and precautionary statements:

Dispose only when container is empty and closed. For disposal of product residues, refer to the Safety Data Sheet.

[1] Verbund für Angewandte Hygiene e.V. (Association of Applied Hygiene)
[2] Deutsche Vereinigung zur Bekämpfung der Viruskrankheiten (German Association for the Control of Virus Diseases)/ Robert Koch Institute, Germany
[3] Österreichische Gesellschaft für Hygiene, Mikrobiologie und Präventivmedizin (Austrian Society of Hygiene, Microbiology and Preventive Medicine)

neodisher® Septo Plus

Detergent and disinfectant for the manual reprocessing of thermostable and thermolabile instruments



Liquid concentrate

Main fields of application:

- Manual cleaning and disinfection of thermostable and thermolabile instruments (incl. flexible endoscopes) and dental instruments
- Disinfecting pre-cleaning of thermostable and thermolabile instruments (incl. flexible endoscopes) and dental instruments in immersion baths or ultrasonic baths e.g. prior to automated reprocessing for optimum personnel safety

Performance spectrum:

- Certified bactericidal and yeasticidal activity in accordance with VAH[1] methods and EN[2] standards as well as activity against enveloped viruses in accordance with EN[2] standards and RKI/DVV[3]
- Suitable for stainless steel, anodised aluminium, non-ferrous metals (copper and brass), silicone, synthetic materials, hard plastic, hard rubber and ceramics
- VAH[1]-listed, on the IHO[4] disinfectant list

Special properties:

- Excellent cleaning performance, does not fixate proteins
- Excellent material compatibility
- Pleasant odour, perfume-free
- Free of CMR[5] disinfecting active substances
- Free of amines, compatible with disinfectants containing aldehydes and peracetic acid

Application and dosage:

neodisher Septo Plus can be used in immersion baths and ultrasonic baths. Depending on desired activity a solution is prepared in accordance with the dosing recommendation. The instruments are placed in the solution (bubble-free) and the necessary contact time is to be observed.

We recommend using cold, softened water or soft water with less the 3 °d when preparing neodisher Septo Plus working solutions. The water hardness should not exceed 20 °d.

Under dirty conditions (non-pre-cleaned instruments) 20 °C	
bactericidal, yeasticidal (VAH)	10 ml/l (1.0 %), 15 min
bactericidal (EN 13727, EN 14561), yeasticidal (EN 13624, EN 14562)	10 ml/l (1.0 %), 5 min or 5 ml/l (0.5 %), 15 min
Active against enveloped viruses (incl. HIV, HBV, HCV) (EN 14476, EN 17111)	10 ml/l (1.0 %), 5 min or 5 ml/l (0.5 %), 15 min
Active against enveloped viruses (incl. HIV, HBV, HCV) (DVV/RKI)	15 ml/l (1.5 %), 5 min or 10 ml/l (1.0 %), 15 min
Rotavirus (EN 14476, EN 17111)	10 ml/l (1.0 %), 15 min
Polyoma SV 40 (EN 14476, EN 17111)	20 ml/l (2.0 %), 15 min or 15 ml/l (1.5 %), 30 min

The shelf life of the unused solution is 28 days. Contaminated solutions however must be renewed daily or immediately if visibly dirty in accordance with the guidelines of the Robert Koch Institute (RKI).

Notes on application:

- For professional use only.
- For controlled dosing we recommend using manual dosing aids, such as dosing equipment for disinfectants. Please contact us.
- It is generally recommended to wear protective gloves when working with disinfectants.
- Reprocessing should comply with all ordinances pursuant to the regulations on medical devices and should be performed with appropriate validated processes.
- The neodisher Septo Plus solution is to be thoroughly rinsed off with water (preferably deionised).
- Please observe the reprocessing recommendations of the medical device manufacturers according to the requirements of the DIN EN ISO 17664.
- Not suitable for high-level disinfection of medical devices

- Do not mix with other products.

Expert reports:

The disinfecting activity has been confirmed by certification. We will be pleased to provide certificates on request.

Technical data:

pH-range	6.1 - 6.0 (5 - 20 ml/l, determined in deionised water, 20 °C)
Viscosity	< 50 mPa s (concentrate, 20 °C)
Density	approx. 1.0 g/cm^3 (20 °C)

Ingredients:

Ingredients according to Regulation (EC) No 648/2004 on detergents:
< 5 % non-ionic surfactants
also disinfectants

Disinfecting active substances in 100 g:
18 g N,N-didecyl-N-methyl-poly(oxyethyl)ammoniumpropionate

CE-mark: CE 0297 MD

neodisher Septo Plus complies with European guidelines for medical devices.

If a serious incident occurs with the product, report it to the manufacturer and the relevant national authority.

Storage information:

Always store at a temperature between 0 and 30 °C.
Usable for 3 years when stored as recommended. For expiry date refer to the stamp mark on the label behind the hourglass symbol ⌛.

Changes in the colour of the product may occur when storing in factory-sealed trade units. This has no impact on the properties of the product, which are relevant for application.

Hazard and precautionary statements:

Dispose only when container is empty and closed. For disposal of product residues, refer to the Safety Data Sheet.

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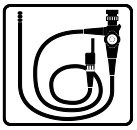
1 Verbund für Angewandte Hygiene [Association of Applied Hygiene]
2 according to the European Standards EN13727, EN13624, EN14561, EN14562, EN 14476 and EN 17111
3 according to the guidelines of the Robert-Koch Institut (RKI) [Robert Koch-Institute] and the Deutsche Vereinigung zur Bekämpfung von Viruskrankheiten (DVV) [German Association for the Control of Virus Diseases]
4 Industrieverband Hygiene und Oberflächenschutz [Industry Association for Hygiene and Surface Protection]
5 Carcinogenic, Mutagenic, toxic to Reproduction

neodisher® Septo PreClean

Cleaning and disinfecting agent for the manual reprocessing of thermostable and thermolabile instruments



Liquid concentrate

Fields of application:

- Disinfecting pre-cleaning of thermostable and thermolabile instruments, dental instruments and flexible endoscopes e.g. prior to automated reprocessing for optimum personnel safety
- Wet disposal of surgical instruments and dental instruments over longer periods of time, e.g. overnight or over the weekend
- Also suitable for the manual cleaning and disinfection of thermostable and thermolabile instruments, including flexible endoscopes

Performance spectrum:

- Bactericidal and yeasticidal activity according to VAH[1] methods and European standards[2], also active against enveloped viruses according to European standards[2] and RKI/DVV[3]. Confirmed by certification
- Suitable for stainless steel, anodised aluminium, non-ferrous metals (copper and brass), silicone, plastics
- VAH[1]-listed, On the IHO[4]-disinfectant list

Special properties:

- Excellent cleaning performance, non-protein-fixing
- Excellent material compatibility
- Free of aldehydes and quaternary ammonium compounds

Application and dosage:

neodisher Septo PreClean is used in immersion and ultrasonic baths. Depending on the desired activity the working solution must be prepared according to the dosing recommendations. Place the instruments resp. endoscopes without air bubbles into the working solution and adhere to the below-mentioned contact times.

For preparing the neodisher Septo PreClean working solution we recommend the use of softened water or soft water of less than 10 °d (1.8 mmol/l). The water hardness should not exceed 20 °d (3.6 mmol/l).

For wet disposal instruments can remain in the neodisher Septo PreClean working solution for up to 72 hours.

Disinfecting performance (20 °C, dirty conditions)	
Bactericidal (EN 13727, EN 14561, VAH)	5 ml/l (0.5 %), 15 min
Yeasticidal (EN 13624, EN 14562, VAH)	5 ml/l (0.5 %), 15 min
Active against enveloped viruses (incl. HIV, HBV, HCV) (EN 14476, EN 17111)	15 ml/l (1.5 %), 15 min
Active against enveloped viruses (incl. HIV, HBV, HCV) (RKI/DVV)	10 ml/l (1.0 %), 15 min

The unused working solution of neodisher Septo PreClean can be used for up to 7 days. Contaminated solutions however must be replaced daily or immediately if visibly dirty in accordance with the guideline of the Robert Koch Institute.

The neodisher Septo PreClean working solution has to be rinsed off completely with water (preferably deionised water). Small residues of neodisher Septo PreClean, which could remain on the instruments and be carried into the washer disinfector, neither cause foam nor a pressure loss in circulation pumps.

Aldehydic products should not be used before or after disinfection with neodisher Septo PreClean.

General instructions on use:

- For professional use only!
- For economical and controlled dosage, dosing ancillaries such as dosing device neomatik mediDOS are available. Please contact us.
- It is generally recommended to wear gloves when working with disinfectants.
- Reprocessing should comply with all ordinances pursuant to the regulations on medical devices and should be performed with appropriate validated processes.

neodisher® Septo PreClean

- Please observe the instrument manufacturer´s recommendations for reprocessing according to the requirements of DIN EN ISO 17664.
- Not suitable for high-level disinfection of medical devices
- Do not mix with other products.

Expert reports:

The disinfecting activity has been confirmed by certification. Expert reports are available on request.

Technical data:

pH-range	8.9 - 8.7 (5 - 15 ml/l, determined in deionised water, 20 °C)
Viscosity	< 50 mPa s (concentrate, 20 °C)
Density	approx. 1.0 g/cm^3 (20 °C)

Ingredients:

Ingredients according to Regulation (EC) No 648/2004 on detergents:
< 5 % non-ionic surfactants
5 - 15 % amphoteric surfactants
also disinfectants, perfumes (limonene)

Active substances in 100 g:
8.0 g laurylpropylene diamine

CE-mark: CE 0297 MD

neodisher Septo PreClean complies with European guidelines for medical devices.

If a serious incident occurs with the product, report it to the manufacturer and the relevant national authority.

Storage information:

Always store at a temperature between 0 °C and 30 °C. Usable for 3 years when stored as recommended. For expiry date refer to the stamp mark on the label behind the hourglass symbol.

Changes in the colour of the product may occur when storing in factory-sealed trade units. This has no impact on the properties of the product which are relevant for application.

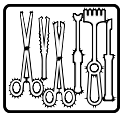
Hazard and precautionary statements:

Dispose only when container is empty and closed. For disposal of product residues, refer to Safety Data Sheet.

1 Verbund für Angewandte Hygiene [Association of Applied Hygiene], (VAH) Germany
2 according to European Standards EN13727, EN13624, EN14561, EN14562, EN 14476, EN 17111
3 according to the guidelines of the Robert Koch-Institute (RKI) and the Deutschen Vereinigung zur Bekämpfung von Viruskrankheiten (DVV) [German Association for the Control of Virus Diseases]
4 Industrieverband Hygiene und Oberflächenschutz [Industry Association Surface Protection and Hygiene], (IHO), Germany

neodisher® SystemSpecial

Acidic detergent and neutralisation component for reprocessing thermostable and thermolabile instruments



Liquid concentrate

Fields of application:

Acidic cleaning or neutralising component for the automated reprocessing of surgical instruments incl. MIS instruments and micro instruments, anaesthesia utensils, containers and other medical utensils

Performance spectrum:

Acidic component which is dosed during the neutralisation step of the washer disinfector when using neodisher SystemAct and neodisher SystemClean.

- Prevents the formation of mineral deposits caused by e.g. suboptimal water qualities
- Neutralises alkaline residues from the main cleaning step during automated reprocessing, e.g. with ophthalmological instruments

Special properties:

- Based on organic acids
- Excellent material compatibility
- With weigomatic RFID transponder for automatic product identification with the weigomatic system ALPHA component dosing system in order to prevent product mix-ups

Application and dosage:

neodisher SystemSpecial is used in washer disinfectors for acidic cleaning and/or neutralisation.

We recommend the following parameters when using neodisher SystemSpecial:

Acidic cleaning / neutralisation	1 - 2 ml/l

neodisher SystemSpecial is dosed via the weigomatic system ALPHA component dosing system which has been specially designed for dosing high concentrates.

Suitable dosing devices must be used in washer disinfectors.

For avoiding water stains the use of deionised water in the final rinse is recommended. At the same time this protects anodised aluminium.

General instructions for use:

- For professional use only
- Do not mix components as concentrates
- Do not mix with other products
- The neodisher SystemSpecial solution has to be rinsed off completely with water (preferably deionised)
- Rinse out dosing system including suction hose with water before changing product
- Reprocessing should comply with all ordinances pursuant to the regulations on medical devices and should be performed with appropriate validated processes
- Please observe the reprocessing recommendations of the medical device manufacturers according to the requirements of the DIN EN ISO 17664
- The instructions of the manufacturer of the washer disinfector are to be observed

Technical data:

pH-range	3.0 – 2.6 (1 – 5 ml/l determined in deionised water, 20 °C)
Viscosity	< 10 mPa s (concentrate, 20 °C)
Density	approx. 1.2 g/cm^3 (20 °C)
Titration factor	0.36 (according to neodisher SystemSpecial titration instructions)

neodisher® SystemSpecial

Ingredients:

Ingredients according to Regulation
(EC) No 648/2004 on detergents:
preservatives (2-octyl-2H-isothiazol-3-one)

CE-mark: CE MD

neodisher SystemSpecial complies with European guidelines for medical devices.
If a serious incident occurs with the product, report it to the manufacturer and the relevant national authority.

Storage information:

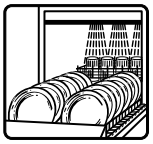
Always store at a temperature between -3 °C and 30 °C. Usable for 3 years when stored as recommended. For expiry date refer to the stamp mark on the label behind the hourglass symbol ⧗.

Changes in the colour of the product may occur when storing in factory-sealed trade units. This has no impact on the properties of the product which are relevant for application.

Hazard and precautionary statements:

Dispose only when container is empty and closed. For disposal of product residues, refer to Safety Data Sheet.

neodisher® TN



Neutral special rinse aid for difficult-to-wet materials

Liquid concentrate

Fields of application:

- Rinsing dishes, glasses, cutlery, trays and utensils in professional dishwashers as well as containers and trolleys in decontamination units in all food processing areas, such as professional kitchens, butcher‘s shops and bakeries
- Rinsing difficult-to-wet materials such as bed frames, bedside cupboards and trolleys in decontamination units in clinics and in the care sector

Performance spectrum:

- Achieves a brilliant rinsing result due to excellent wetting of all materials
- Good material compatibility, specially matched to the various materials of bedframes and bedside cupboards
- Especially suitable for use with soft water
- When neodisher TN is used as intended, the biocompatibility of the treated medical devices is not affected. (Biological evaluation of medical devices according to EN ISO 10993-1)

Special properties:

- Achieves excellent wetting and stain and streak-free drying; also of difficult-to-wet parts made of synthetic materials
- Reduced consumption
- Even and residue-free drying

Application and dosage:

neodisher TN can be used in professional dishwashers and decontamination units.
neodisher TN is dosed into the final rinse water via an automatic dosing device. Dosage depends on water quality, shape and material of the items to be washed and the temperature of the rinse water. The optimum dosage of neodisher TN should be adjusted when commissioning the washer.

Depending on water quality, items to be washed and temperature of the rinse water	0.1 – 0.8 ml/l

When working with hard or salty water a special water treatment is recommended to achieve an optimal rinsing result. In order to avoid water stains we recommend using deionised water in the final rinse step.

Notes on application:

- For professional use only.
- Do not mix with other products.
- Rinse out dosing system including suction hose with water before changing product.
- The instructions given by the manufacturer of the dishwasher are to be observed.
- Reprocessing should comply with all ordinances pursuant to the regulations on medical devices and should be performed with appropriate validated processes.
- Please observe the reprocessing recommendations of the medical device manufacturers according to the requirements of the DIN EN ISO 17664, the reprocessing recommendations of the manufacturer of the bedframes and the recommendations of the Working Group Bedframe and Trolley Decontamination Units [Arbeitskreis Bettgestell- und Wagendekontaminations-anlagen (AK-BWA)] in the current issue of the AK-BWA brochure “Automated Decontamination” [„Maschinelle Dekontamination“].
- Storage and transport is only permitted in original packaging.

neodisher® TN

Technical data:

pH range	6.7 – 7.0 (0.1 – 0.8 ml/l, determined in deionised water, 20 °C)
Viscosity	< 50 mPa s (concentrate, 20 °C)
Density	approx. 1.0 g/cm^3 (20 °C)

Ingredients:

Ingredients according to Regulation (EC) No 648/2004 on detergents:
< 5 % phosphonates, polycarboxylates
15 - 30 % non-ionic surfactants
also preservatives: Reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one [EC No. 247-500-7] and 2-methyl-2H-isothiazol-3-one [EC No. 220-239-6] (3:1)

CE mark: CE MD

neodisher TN complies with European guidelines for medical devices.

If a serious incident occurs with the product, report it to the manufacturer and the relevant national authority.

Storage information:

Always store at a temperature between 0 °C and 30 °C. Usable for 3 years when stored as recommended. For expiry date refer to the stamp mark on the label behind the hourglass symbol ⌛.

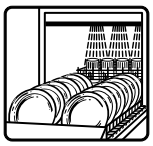
Hazard and precautionary statements:

neodisher TN is not a hazardous product according to the CLP Regulation (EC) No 1272/2008.

If applied according to the instructions for use the product is safe according to the appropriate guidelines for food processing.

Dispose only when container is empty and closed. For disposal of product residues, refer to the Safety Data Sheet.

neodisher® TS



Rinse Aid for Dishes

Liquid concentrate

Field of application:

- Rinsing dishes, food containers and trolleys in washers in all food processing companies, such as professional kitchens, butcher's shops and bakeries
- Also suitable for rinsing animal cages, accessories and racks for cages, storage and transport in specially designed washers

Performance spectrum:

- All kinds of items are evenly wetted and dry without leaving streaks
- Considerably improves and accelerates drying
- Significantly prevents lime deposits in rinsing nozzles and rinsing zones
- Suitable for materials, such as porcelain, stoneware, glass, stainless steel, plastic (e. g. animal cages made of polycarbonate, polyetherimide), aluminium as well as anodized aluminium
- Parts made of polysulfone (PSU) or polyphenylsulfone (PPSU) can form stress cracks when treated with rinse aids. For cages made of these materials the special rinse aid neodisher PolyKlar is to be used

Special properties:

- Reliably dries even difficult-to-wet materials, such as e. g. plastic
- Highly concentrated
- Acidic formula, neutralises carried-over alkali residues and alkaline water

Application and dosage:

neodisher TS is used in dishwashers, decontamination units for trolleys and specially designed washers for animal cages and accessories as well as cage, storage and transport racks. neodisher TS is dosed into the final rinsing water via an automatic dosing device.

The dosing amount also depends on the water quality, material of the items to be washed and the temperature of the rinsing water and is 0.1 – 0.8 ml/l. The optimum dosing of neodisher TS should be adjusted when starting up the washer.

Depending on water quality, items to be washed and temperature of rinsing water	0.1 – 0.8 ml/l

neodisher TS can be used with all degrees of water hardness. In the case of water exceeding 3 °d total hardness (> 0.54 mmol/l), water treatment is recommended.

When using neodisher TS the dosing system is to be checked for acid compatibility.

General notes on application:

- For professional use only.
- Do not mix with other products.
- Rinse out dosing system including suction hose with water before changing product.
- The instructions of the manufacturers of the dishwashers, decontamination units and specially designed washers are to be observed.
- Please also observe the reprocessing recommendations of the manufacturers of the trolleys and animal cages and the recommendations of the "Arbeitskreis Bettgestell- und Wagendekontaminations-anlagen (AK-BWA)" [Working Group Bedframe and Trolley Decontamination Units] in the current issue of the AK-BWA brochure "Maschinelle Dekontamination" [Automated Decontamination] and the recommendation of the "Arbeitskreis Käfigaufbereitung (AK KAB)" [Working Group Cage Reprocessing] in the current issue of the AK KAB brochure "Käfigaufbereitung in der Tierhaltung" [Reprocessing Animal Cages].
- Storage and transport is only permitted in original packaging.

neodisher® TS

Technical data:

pH-range	approx. 4.2 – 3.5 (0.1 – 0.8 ml/l, determined in deionised water, 20 °C)
Viscosity	< 50 mPas (concentrate, 20 °C)
Density	approx. 1.1 g/cm^3 (20 °C)

Ingredients:

Ingredients according to Regulation (EC) No 648/2004 on detergents:
15 - 30 % nonionic surfactants,
< 5 % phosphonates,
also preservatives (methylchloroisothiazolinone)

Storage information:

Always store at a temperature between 0 °C and 30 °C.
Usable for 3 years when stored as recommended. For expiry date refer to the stamp mark on the label behind the hourglass symbol ⌛.

Hazard and precautionary statements:

If applied according to the instructions for use the product is safe according to the appropriate guidelines for food processing.

Dispose only when container is empty and closed. For disposal of product residues, refer to the Safety Data Sheet.

neoform® Active

Disinfecting cleaner for surfaces

Granulate

Fields of application:

- Cleaning and disinfecting surfaces of medical devices, medical equipment and other surfaces in hospitals, doctors' practices, old people's homes, laboratories and public institutions

Performance spectrum:

- Bactericidal, fungicidal, mycobactericidal, virucidal and sporicidal activity has been confirmed and certified
- Activity confirmed in the 4-field-test (EN 16615)
- Disinfecting activity has been tested and proved according to European standards, VAH[1] and (DVV/RKI)[2] methods
- Coated granulate – low dust, easily soluble
- Suitable for materials such as stainless steel, anodized aluminium, plastic (incl. silicone)
- Not suitable for instruments made of brass and copper or mechanically pre-damaged chromed or nickel-plated surfaces
- VAH[1]-listed, on the list of the IHO[3] for disinfectants with virucidal activity

Special Properties:

- Broad activity spectrum, even at low concentrations resp. short contact times
- Excellent cleaning performance, does not fixate proteins
- pH neutral formula with a pleasant odour, free of perfumes
- Based on peracetic acid, free of aldehydes, amines and quaternary ammonium compounds, can be combined alternately with disinfectants based on alkylamine and quaternary ammonium compounds

Application and dosage:

neoform Active is used for the combined cleaning and disinfection of surfaces at room temperature via wiping. Depending on the desired activity a solution is prepared according to the application recommendations listed below. For this neoform Active is completely dissolved in maximally lukewarm water by stirring. The working solution is ready to use after 15 minutes. Wipe the surfaces with the working solution. Adhere to the below-mentioned contact times. Ensure sufficient ventilation.

Disinfecting performance (20°C) dirty conditions (non-pre-cleaned surfaces)	
bactericidal (VAH[1], EN 13727, EN 16615)	10 g/l (1.0 %), 5 min
yeasticidal (VAH[1], EN 13624, EN 16615)	10 g/l (1.0 %), 5 min
fungicidal (EN 13624)	20 g/l (2.0 %), 60 min
mycobactericidal (EN 14348)	20 g/l (2.0 %), 30 min
activity against enveloped viruses (incl. HIV, HBV, HCV) (EN 14476, RKI/DVV[2])	10 g/l (1.0 %), 5 min
limited spectrum virucidal activity (norovirus, adenovirus, incl. all enveloped viruses) (EN 14476)	20 g/l (2.0 %), 15 min
virucidal (EN 14476)	20 g/l (2.0 %), 30 min
sporicidal (EN 13704)	10 g/l (1.0 %), 15 min
VAH[1] list	10 g/l (1.0 %), 5 min

For the exact dosage with the neodisher dosing cup or dosage from the sachet, please refer to the corresponding dosing table.

Dosing table		
	desired concentration of the working solution	
Solution	1.0 %	2.0 %
	required amount of granulate (scale of neodisher graduated dosing cup)	
2 l	25 ml	50 ml
3 l	37.5 ml	75 ml
5 l	62.5 ml	125 ml
10 l	125 ml	250 ml

neoform® Active

Solution	desired concentration of the working solution	
	1.0 %	2.0 %
	required amount of granulate	
2,5 l		50 g = 1 sachet
5 l	50 g = 1 sachet	100 g = 2 sachets
10 l	100 g = 2 sachets	200 g = 4 sachets

Note on application: Prepare the required water volume in the bucket. Then add the corresponding amount of granulate according to the dosing table.

With the aid of the neodisher test strips (item no. 981320) the concentration of the working solution can be determined. The solution is to be renewed at least once per working day or if too low an amount of active substance is indicated.

After cleaning and disinfecting, surfaces must be rinsed with drinking water as these may cause changes in the material. With coloured materials (e.g. plastics) a change of colour cannot always be excluded due to the oxidising/bleaching properties of the working solutions.

General notes on application:

- For professional use only!
- For the economical and controlled dosage, the use of manual dosing aids such as mixing equipment or dosing cups is recommended.
- It is generally recommended to wear gloves when working with disinfectants.
- Storage and transport is only permitted in original packaging.
- The reprocessing of medical devices should comply with all ordinances pursuant to the Medical Device Directive and should be performed with appropriate validated processes.
- Please observe the reprocessing recommendations of the instrument manufacturer in accordance with the requirements of the DIN EN ISO 17664.
- Do not mix with other products.
- *Use disinfectants safely. Always read the label and product information before use.*

Expert reports:

The disinfecting activity has been tested and confirmed by certification. We will be pleased to provide certificates on request.

Technical data:

pH-value	approx. 7.6 - 7.9 (20 g/l, determined in mains water, 20°C)
Bulk density	800 g/l

Ingredients:

Ingredients according to Regulation (EC) No 648/2004 on detergents:
‹ 5 % phosphates, non-ionic surfactants
› 30 % oxygen-based bleaching agents
The active substance peracetic acid is formed when preparing the working solution. A 1.0% working solution (10 g granulate per litre water) contains 0.15% peracetic acid.

CE-mark: CE 0297

neoform Active conforms to the European directive 93/42/EEC, Annex I, concerning medical devices.

Storage information:

Always store at a temperature between 0 °C and 25 °C. Do not expose to direct sunlight.
Usable for 2 years when stored as recommended. For expiry date refer to the stamp mark on the label behind the hourglass symbol.

Hazard and precautionary statements:

Dispose only when container is empty and closed. For disposal of product residues, refer to the Safety Data Sheet.

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[1] Verbund für Angewandte Hygiene [Association of Applied Hygiene, Germany]
[2] according to the guidelines of the Robert Koch-Institute (RKI) and the Deutschen Vereinigung zur Bekämpfung von Viruskrankheiten (DVV) [German Association for the Control of Virus Diseases]
[3] Industrieverband Hygiene und Oberflächenschutz [Industry Association Surface Protection and Hygiene, Germany]

neoform® Classic

Disinfecting cleaner for surfaces

Liquid concentrate

Fields of application:

- Cleaning and disinfecting surfaces of medical devices, medical equipment and other surfaces in hospitals, doctors' practices, old people's homes, laboratories and public institutions
- Also suitable for use with the Dr. Weigert fleece wipe dispensing system neoform wipes RTF

Performance spectrum:

- Bactericidal, yeasticidal, tuberculocidal activity as well as activity against enveloped viruses and limited spectrum virucidal activity confirmed and certified
- Activity confirmed in the 4-field-test (EN 16615)
- Disinfecting activity has been tested and proved according to European standards and VAH[1] methods
- VAH[1]-listed, on the IHO[2] disinfectant list
- The application in the Dr. Weigert fleece wipe dispensing system neoform wipes RTF fulfils the requirements of the current VAH recommendation[3]

Special Properties:

- Wide activity spectrum, even at low concentrations resp. short contact times
- Good cleaning performance
- Free of aldehydes
- Excellent material compatibility

Application and dosage:

neoform Classic is used for the combined cleaning and disinfection of surfaces at room temperature via wiping. For achieving the desired activity dilute neoform Classic according to the below-mentioned dosing recommendations. Wipe the surfaces with the working solution. Adhere to the below-mentioned contact times.

For instructions on how to use the product with the neoform wipes RTF fleece wipe dispensing system please refer to the neoform wipes RTF data sheet. The soaked neoform wipes can be used for up to 28 days when the wipe system is kept tightly closed.

Disinfecting performance (20°C) dirty conditions (non-pre-cleaned surfaces)	
Bactericidal VAH, EN 13727, EN 16615)	5 ml/l (0.5 %), 5 min
yeasticidal (VAH, EN 13624, EN 16615)	5 ml/l (0.5 %), 5 min
tuberculocidal (EN 14348)	15 ml/l (1.5 %), 60 min
activity against enveloped viruses (incl. HIV, HBV, HCV) (EN 14476)	10 ml/l (1.0 %), 15 min 5 ml/l (0.5 %), 30 min
limited spectrum virucidal activity (norovirus, adenovirus, incl. all enveloped viruses) (EN 14476)	20 ml/l (2.0 %), 120 min
Rotavirus (EN 14476)	20 ml/l (2.0 %), 90 min

When used on surfaces of medical devices a rinsing step or a wiping step with drinking water is necessary after the contact time has expired. This relates in particular to powder-coated and stainless steel surfaces as these may cause surface changes in the material.

Aldehydic products should not be used before or after disinfection with neoform Classic. If an aldehyde containing product was used beforehand an intermediate rinse should be carried out.

General notes on application:

- For professional use only!

neoform® Classic

- For the economical and controlled dosage, the use of manual dosing aids such as mixing equipment or dosing caps is recommended. Please contact us.
- It is generally recommended to wear gloves when working with disinfectants.
- Reprocessing should comply with all ordinances pursuant to the regulations on medical devices and should be performed with appropriate validated processes.
- Do not mix with other products.
- *Use disinfectants safely. Always read the label and product information before use.*

Expert reports:

The disinfecting activity has been tested and confirmed by certification.
We will be pleased to provide certificates on request.

Technical data:

pH-value	10 (concentrate, 20 °C)
Viscosity	< 10 mPa s
Density	approx. 1.0 g/cm^3 (20 °C)

Ingredients:

Ingredients according to Regulation (EC) No 648/2004 on detergents:
Disinfectant
active substances in 100 g:
9 g N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine
0.9 g amines, N-C12-14-(even-numbered)-alkyltrimethylene derivates, reaction products with chloroacetic acid

CE-mark: CE 0297 MD

neoform Classic complies with European guidelines for medical devices.

If a serious incident occurs with the product, report it to the manufacturer and the relevant national authority.

Storage information:

Always store at a temperature between 0 °C and 30 °C. Usable for 3 years when stored as recommended. For expiry date refer to the stamp mark on the label behind the hourglass symbol ⌛.

Changes in the colour of the product may occur when storing in factory-sealed trade units. This has no impact on the properties of the product which are relevant for application.

Hazard and precautionary statements:

Dispose only when container is empty and closed. For disposal of product residues, refer to the Safety Data Sheet.

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[1] Verbund für Angewandte Hygiene [Association of Applied Hygiene, Germany]
[2] Industrieverband Hygiene und Oberflächenschutz [Industry Association Surface Protection and Hygiene, Germany]
[3] Empfehlung zur Kontrolle kritischer Punkte bei der Anwendung von Tuchspendersystemen im Vortränksystem für die Flächendesinfektion (Hyg Med 2012; 37-11) [Recommendation for checking critical points when using wipes dispenser systems in a pre-soak system for surface disinfection]

neoform® K plus

Disinfecting cleaner for surfaces and equipment

Liquid concentrate

Fields of application

- Combined cleaning and disinfection of surfaces and equipment in the food industry and in professional kitchens as well as surfaces and equipment that do not come into contact with food, such as in the pharmaceutical and cosmetics industries
- Also suitable in cooling areas up to 4 °C
- Also used for shoe sole hygiene in brush washing systems as well as disinfecting mats, e.g. in hygiene sluices
- Combined cleaning and disinfection of personal protective equipment[1]
- Also suitable for use with the Dr. Weigert fleece wipe dispensing system neoform wipes RTF

Performance spectrum:

- Bactericidal, yeasticidal and active against enveloped viruses, activity according to EN-standards[2] confirmed by experts
- Effectively removes contamination from surfaces such as work surfaces, equipment and floors, and disinfects at the same time
- Excellent foam activity when used via foam devices
- Excellent material compatibility
- Suitable for all materials such as chrome nickel steel, standard steel, light and non-ferrous metals and their alloys as well as plastics
- Anodised aluminium must be tested first
- Included in the IHO[3] list of disinfectants
- The application in the Dr. Weigert fleece wipe dispensing system neoform wipes RTF fulfils the requirements of the current VAH recommendation[4]

Special properties:

- Excellent cleaning performance
- Free of perfumes and colouring agents
- VAH[4]-listed

Application and dosing:

Application is possible via wiping, dipping or the foam method.
Depending on the application, dilute neoform K plus as per the stated dosing recommendation.

Wiping and application via low-pressure cleaning devices and foamers:
Apply the solution on the surfaces to be cleaned and disinfected, or wipe the equipment to be cleaned and disinfected with the solution. After the contact time has elapsed, thoroughly rinse the surfaces that come into contact with food with water of at least drinking water quality. The application temperature should not exceed 40 °C.

Cleaning and disinfection of personal protective equipment[1] in immersion baths:
Personal protective equipment[1] must be fully wetted with the application solution throughout the entire immersion period. Then rinse thoroughly with running water of at least drinking water quality.

The application solution should be renewed daily, and more frequently in the case of visible soiling.

For instructions on how to use the product with the neoform wipes RTF fleece wipe dispensing system please refer to the neoform wipes RTF data sheet. The soaked neoform wipes can be used for up to 28 days when the wiping wipe system is kept tightly closed.

Application recommendation at 20 °C (bactericidal, yeasticidal)	
For cleaning and disinfecting surfaces and equipment (not pre-cleaned)[2]	5 ml/l (0.5%), 15 min
For disinfecting surfaces and equipment (pre-cleaned)[2]	5 ml/l (0.5%), 15 min 10 ml/l (1.0%), 5 min

neoform® K plus

Disinfecting activity (surfaces and equipment)		
	Clean conditions (pre-cleaned)	Dirty conditions (not pre-cleaned)
Bactericidal (EN 1276 and EN 13697)	5 ml/l (0.5%), 5 min, 20 °C 10 ml/l (1.0%), 60 min, 10 °C 30 ml/l (3.0%), 60 min, 4 °C	5 ml/l (0.5%), 15 min, 20 °C 20 ml/l (2.0%), 60 min, 10 °C 30 ml/l (3.0%), 60 min, 4 °C
Yeasticidal (EN 1650 and EN 13697)	10 ml/l (1.0%), 5 min, 20 °C 5 ml/l (0.5%), 15 min, 20 °C 10 ml/l (1.0%), 15 min, 10 °C 10 ml/l (1.0%), 60 min, 4 °C	5 ml/l (0.5%), 15 min, 20 °C 20 ml/l (2.0%), 15 min, 10 °C 20 ml/l (2.0%), 60 min, 4 °C
Activity against enveloped viruses (EN 14476, EN 17111 [2](including HIV, HBV, HCV)	5 ml/l (0,5 %), 15 min, 20 °C	

Shoe sole hygiene	
Cleaning of soles in brush washing systems	At least 1 ml/l (0.1%)
Shoe sole disinfection in disinfecting baths and disinfecting mats (bactericidal, yeasticidal)[2]	40 ml/l (4%), 5 min, 20 °C

Reprocessing of personal protective equipment[1] in an immersion bath	
Cleaning and disinfection of personal protective equipment[1] in an immersion bath (bactericidal according to EN 13727 and EN 14561, yeasticidal according to EN 13624 and EN 14562, activity against enveloped viruses according to EN 14476 and 17111)	10 ml/l (1.0%), 15 min, 20 °C

General instructions for use:

- For professional use only.
- It is generally recommended to wear gloves when working with disinfectants.
- For economical and controlled dosing, the use of manual dosing ancillaries such as mixing equipment or dosing accessories is recommended. Please contact us.
- Do not mix with other products.
- Storage and transport is only permitted in original packaging.
- Use disinfectants safely. Always read the label and product information before use.
- Please follow the reprocessing recommendations of the personal protective equipment[1] manufacturer.

Certificates:

The disinfecting activity has been confirmed by experts. neoform K plus was used and positively assessed by various testing and certification bodies in the context of personal protective equipment[1] certification with regard to material compatibility.

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We are pleased to provide certificates on request.

Technical data:

pH value	9.0 (5.0–10.0 ml/l, determined in fully deionised water, 20 °C)
Viscosity	< 50 mPas (concentrate, 20 °C)
Density	approx. 1.0 g/cm^3 (20 °C)

Ingredients:

Ingredients according to Regulation (EC) No. 648/2004 on detergents:
5–15 % non-ionic surfactants
Active substances in 100g:
10.0 g didecyldimethylammonium chloride
2.0 g N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine

Storage information:

Always store at a temperature between 0 °C and 30 °C.
Usable for three years when stored as recommended.
For the expiry date, refer to the stamp mark on the label behind the hourglass symbol.

Hazard and precautionary statements:

If applied according to the instructions for use, the product is safe according to the applicable guidelines for food processing.
Dispose only when container is empty and closed.
For disposal of product residues, refer to the Safety Data Sheet..

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1 Personal protective equipment including diving gear (PPE) / **2** According to European standards EN 1276, EN 1650, EN 13697, EN13727, EN14561, EN 13624, EN 14562, EN 14476, EN 17111 / **3** Industrieverband für Hygiene und Oberflächenschutz (German Association for Hygiene and Surface Protection) **/ 4** Association of Applied Hygiene

neoform® MED FF

Disinfectant cleaner for surfaces
Liquid concentrate

Fields of application:

- Cleaning and disinfecting surfaces of medical devices, medical equipment and other surfaces in hospitals, in doctors' practices, old people's homes as well as laboratories.
- Also suitable for use with the Dr. Weigert fleece wipe dispensing system neoform wipes RTF

Performance spectrum:

- Certified bactericidal, yeasticidal and tuberculocidal activity according to VAH[1]-methods, virucidal activity according to RKI/DVV[2]-methods as well as active against Clostridium difficile according to EN method
- VAH[1]-listed
- The application in the Dr. Weigert neoform wipes RTF fleece wipe dispensing system fulfils the requirements of the current VAH recommendation[3]

Special properties:

- Broad activity spectrum and good cleaning performance
- Also suitable for disinfection in the event of an outbreak of C. difficile
- Free of formaldehyde

Application and Dosage:

neoform MED FF is used for combined cleaning
and disinfection of surfaces at room temperature via wiping. For achieving the desired activity, dilute neoform MED FF according to the below-mentioned dosing recommendations.

Wipe the surfaces to be cleaned and disinfected with the solution and adhere to the below-mentioned contact times.

For instructions on how to use the product with the neoform wipes RTF fleece wipe dispensing system, please refer to the neoform wipes RTF data sheet. The soaked neoform wipes can be used for up to 28 days when the wipes system is kept tightly closed.

Disinfecting performance (20 °C)		
	clean conditions (pre-cleaned surfaces)	dirty conditions (non-pre-cleaned surfaces)
bactericidal / yeasticidal (VAH)	10 ml/l (1.0%), 5 min 5 ml/l (0.5%), 15 min 2.5 ml/l (0.25%), 60 min	15 ml/l (1.5%), 5 min 10 ml/l (1.0%), 15 min 5 ml/l (0.5%), 30 min 2.5 ml/l (0.25%), 60 min
tuberculocidal (VAH)	40 ml/l (4.0 %), 30 min 10 ml/l (1.0 %), 60 min	40 ml/l (4.0 %), 30 min 10 ml/l (1.0 %), 60 min
active against enveloped viruses (RKI/ DVV) (incl. HIV, HBV, HCV)	5 ml/l (0.5 %), 5 min	-
virucidal (RKI/DVV)	20 ml/l (2.0 %), 60 min	-
active against C. difficile (EN 13704)	30 ml/l (3.0 %), 30 min	-

When used on surfaces of medical devices a rinsing step or a wiping step with drinking water is necessary after the contact time has expired. This relates in particular to powder-

neoform MED FF

coated and stainless steel surfaces as these may cause surface changes in the material

General notes on application:

- For professional use only!
- For the economical and controlled dosage the use of manual dosing aids such as mixing equipment or dosing cups is recommended. Please contact us.
- It is generally recommended to wear gloves when working with disinfectants.
- Reprocessing should comply with all ordinances pursuant to the regulations on medical devices and should be performed with appropriate validated processes.
- Do not mix with other products.
- *Use disinfectants safely. Always read the label and product information before use.*

Expert reports:

The disinfecting activity has been confirmed by certification. We will be pleased to provide certificates on request.

Technical data:

pH-value	4.5 (concentrate, 20 °C)
Density	approx. 1.0 g/cm3 (20 °C)
Viscosity	< 10 mPa s

Ingredients:

Ingredients according to Regulation (EC) No 648/2004 on detergents: < 5 % non-ionic surfactants also disinfectants

Active substances in 100 g:
5.0 g benzalkonium chloride
3.0 g didecyldimethylammonium chloride
8.0 g glutaral

CE-Kennzeichnung: CE 0297 MD

neoform MED FF complies with European guidelines for medical devices.

If a serious incident occurs with the product, report it to the manufacturer and the relevant national authority.

Storage information:

Always store at a temperature between 0 °C and 25 °C. Keep container tightly closed.

Usable for 3 years when stored as recommended. For expiry date refer to the stamp mark on the label behind the hourglass symbol.

Hazard and precautionary statements:

Dispose only when container is empty and closed. For the disposal of product residues, refer to Safety Data Sheet.

1 Verbund für Angewandte Hygiene [Association of Applied Hygiene]
2 according to the guidelines of the Robert Koch-Institute (RKI) and the Deutschen Vereinigung zur Bekämpfung von Viruskrankheiten [DVV, German Association for the control of Virus Diseases]
3 recommendation for checking critical points when using wipes dispenser systems in a pre-soak system for surface disinfection (Hyg Med 2012; 37-11)

neoform MED rapid

Rapid disinfectant for medical devices

Ready-for-use solution

Fields of application:

- Specific and rapid disinfection of surfaces of medical devices such as surgical tables in hospitals as well as in doctors' and dentists' practices

Performance spectrum:

- Bactericidal, yeasticidal, fungicidal and tuberculocidal activity confirmed in accordance with VAH[1] and EN methods[2] as well as activity against enveloped viruses confirmed according to the test guidelines of the RKI/DVV[3] by certification
- Also limited spectrum virucidal activity (active against noro and adenovirus) and active against rotavirus
- The surfaces to be disinfected must be compatible with alcoholic disinfectants
- Not suitable for disinfecting acrylic glass (perspex)
- VAH[1]-listed
- Included in the IHO[4] list of disinfectants

Special properties:

- Wide activity spectrum, even with short contact times
- Rapid and stain-free drying, no rinsing with fresh water necessary
- Free of aldehydes, colourants and perfumes

Application and dosage:

Apply neoform MED rapid undiluted on clean and dry surfaces and disinfect by wiping. Surfaces must be completely wetted with neoform MED rapid. To achieve the desired activity, the below-mentioned contact times must be strictly adhered to.

	Clean conditions, 20 °C (cleaned surfaces)
bactericidal (VAH[1], EN 13727, EN 16615)	undiluted, 1 min
yeasticidal (VAH[1], EN 13624, EN 16615)	undiluted, 1 min
fungicidal (EN 13624)	undiluted, 20 min
tuberculocidal (EN 14348)	undiluted, 30 sec
Active against enveloped viruses (incl. HIV, HBV, HCV) (EN 14476, RKI/DVV[3])	undiluted, 15 sec
Limited virucidal activity (adenovirus, norovirus, incl. all enveloped viruses) (EN 14476)	undiluted, 2 min
Active against norovirus (MNV[5]) (EN 14476)	undiluted, 2 min
Active against adenovirus (EN 14476)	undiluted, 1 min
Active against rotavirus (EN 14476)	undiluted, 1 min
VAH[1] list	undiluted, 5 min

Due to its alcohol content, neoform MED rapid must not be applied in too large amounts (apply max. 50 ml per m^2 on the surfaces to be treated and max. 100 ml per m^2 base area). Please thoroughly read and observe the hazard and precautionary statements.

General instructions for use:

- For professional use only.
- For economical and controlled dosage the use of manual dosing aids is recommended. Please contact us.
- It is generally recommended to wear gloves when working with disinfectants.
- Reprocessing should comply with all ordinances pursuant to the regulations on medical devices and should be performed with appropriate validated processes.
- Please observe the reprocessing recommendations given by the manufacturer of the medical devices and surfaces.Do not mix with other products.

Expert reports:

The disinfecting activity has been confirmed by certification. We will be pleased to provide certificates on request.

neoform MED rapid

Technical data:

Viscosity	< 10 mPa s (undiluted, 20 °C)
Density	approx. 0.9 g/cm^3 (20 °C)
Flash point	27 °C according to DIN 22791

Ingredients:

Active substances in 100 g:
35.0 g propan-1-ol,
25.0 g ethanol

CE-mark: CE MD 0297

neoform MED rapid complies with European guidelines for medical devices.

If a serious incident occurs with the product, report it to the manufacturer and the relevant national authority.

Storage information:

Always store at a temperature between -15 °C and 25 °C. Keep container tightly closed. Usable for 3 years when stored as recommended.
For expiry date refer to the stamp mark on the label behind the hourglass symbol ⧖.

Hazard and precautionary statements:

Dispose only when container is empty and closed. For disposal of product residues, refer to Safety Data Sheet.

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1 Verbund für Angewandte Hygiene [Association of Applied Hygiene, Germany]
2 European test methods
3 according to the guidelines of the Robert Koch-Institute (RKI) and the Deutschen Vereinigung zur Bekämpfung von Viruskrankheiten (DVV) [German Association for the Control of Virus Diseases]
4 Industrieverband Hygiene und Oberflächenschutz [Industry Association Surface Protection and Hygiene, Germany]
5 Murine norovirus

neoform® Rapid

Rapid disinfectant for medical devices and surfaces

Ready-for-use solution

Fields of application:

Specific and rapid disinfection of

- surfaces of medical devices, e.g. surgical tables and other surfaces in hospitals and doctors‘ and dentists’ practices
- surfaces and equipment in the pharmaceutical and cosmetics area
- surfaces in the laboratory area, e.g. laboratory benches

Also suitable for use with the Dr. Weigert fleece wipe dispensing system neoform wipes RTF.

Performance spectrum:

- Bactericidal, yeasticidal, fungicidal and tuberculocidal activity confirmed in accordance with VAH[1] and EN methods[2]; activity against enveloped viruses confirmed according to the test guidelines of the RKI/DVV[3] by certification
- Also limited spectrum virucidal activity (active against noro- and adenovirus) as well as active against rotavirus
- The application in the Dr. Weigert fleece wipe dispensing system neoform wipes RTF fulfils the requirements of the current VAH recommendation[4]
- The surfaces to be disinfected must be compatible with alcoholic disinfectants
- Not suitable for disinfecting acrylic glass (perspex)
- VAH[1]-listed
- Included in the IHO[5] disinfectant list

Special properties:

- Wide activity spectrum, even with short contact times
- Rapid and stain-free drying, no rinsing with fresh water necessary
- Free of aldehydes, colourants and perfumes

Application and dosage:

Apply neoform Rapid undiluted on clean and dry surfaces and disinfect by wiping. Surfaces must be completely wetted with neoform Rapid. To achieve the desired activity, the below-mentioned contact times must be strictly adhered to.

For instructions on how to use the product with the neoform wipes RTF fleece wipe dispensing system please refer to the neoform wipes RTF data sheet. The soaked neoform wipes can be used for up to 28 days when the wipes system is kept tightly closed.

	Clean conditions, 20 °C (cleaned surfaces)
bactericidal (VAH[1], EN 13727, EN 16615)	undiluted, 1 min
yeasticidal (VAH[1], EN 13624, EN 16615)	undiluted, 1 min
fungicidal (EN 13697)	undiluted, 3 min
tuberculocidal (EN 14348)	undiluted, 30 sec
virucidal activity against enveloped viruses (incl. HIV, HBV, HCV) (EN 14476, RKI/DVV[3])	undiluted, 15 sec
limited spectrum virucidal activity (adenovirus, norovirus, incl. all enveloped viruses) (EN 14476)	undiluted, 2 min
active against norovirus (MNV[6]) (EN 14476)	undiluted, 2 min
active against adenovirus (EN 14476)	undiluted, 1 min
active against rotavirus (EN 14476)	undiluted, 1 min
VAH[1]-list	undiluted, 5 min

Due to its alcohol content, neoform Rapid must not be applied in too large amounts (max. 50 ml per m^2 on the surfaces to be treated and max. 100 ml per m² base area). Please thoroughly read and observe the hazard and precautionary statements!

Notes on application:

- For professional use only.
- For economical and controlled dosage the use of manual dosing aids is recommended. Please contact us.
- It is generally recommended to wear gloves when working with disinfectants.

neoform® Rapid

- Reprocessing should comply with all ordinances pursuant to the regulations on medical devices and should be performed with appropriate validated processes.
- Please observe the reprocessing recommendations given by the manufacturer of the medical devices and surfaces.
- Do not mix with other products.
- *Use disinfectant safely. Always read the label and product information before use.*

Expert reports:

The disinfecting activity has been confirmed by certification. We will be pleased to provide certificates on request.

Technical data:

Viscosity	< 10 mPa s (undiluted, 20 °C)
Density	approx. 0.9 g/cm^3 (20 °C)
Flash point	approx. 27 °C according to DIN 22719

Ingredients:

Active substances in 100 g:
35.0 g propan-1-ol
25.0 g ethanol

CE-mark: CE 0297 MD

neoform Rapid complies with European guidelines for medical devices.

If a serious incident occurs with the product, report it to the manufacturer and the relevant national authority.

Storage information:

Always store at a temperature between -15 °C and 25 °C. Keep container tightly closed. Usable for 3 years when stored as recommended. For expiry date refer to the stamp mark on the label behind the hourglass symbol ⧖.

Hazard and precautionary statements:

Dispose only when container is empty and closed.

For disposal of product residues, refer to Safety Data Sheet

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1 Verbund für Angewandte Hygiene [Association of Applied Hygiene, Germany]
2 European test methods
3 according to the guidelines of the Robert Koch-Institute (RKI) and the Deutschen Vereinigung zur Bekämpfung von Viruskrankheiten (DVV) [German Association for the Control of Virus Diseases]
4 Empfehlung zur Kontrolle kritischer Punkte bei der Anwendung von Tuchspendersystemen im Vortränksystem für die Flächendesinfektion (Hyg Med 2012; 37-11) [Recommendation for checking critical points when using wipes dispenser systems in a pre-soak system for surface disinfection]
5 Industrieverband Hygiene und Oberflächenschutz [Industry Association Surface Protection and Hygiene, Germany]
6 Murine norovirus

neoform® wipes RTF

ready to fill

Disposable fleece wipe dispensing system for use with detergents and disinfectants

Plastic bucket with fleece wipe roll

Fields of application:

- Cleaning and disinfection of surfaces, appliances, medical devices and medical equipment in combination with suitable Dr. Weigert detergents and disinfectants in hospitals, old people's homes/nursing homes, in chemical and pharmaceutical areas, laboratories as well as in food processing companies and professional kitchens
- Also suitable for high-risk areas such as neonatology or haematological oncology in accordance with the VAH[1] recommendation[2]

Performance spectrum:

- Multi-purpose, compatible with a broad range of Dr. Weigert surface disinfectants, proved using the 4-fields-test (EN 16615)
- Disinfecting action of the soaked fleece wipes during the maximum shelf life of 28 days proved using the 4-fields-test (EN 16615)
- Stable dispensing system with integrated wipe roll and stable handle enable simple, safe and user-friendly handling
- High hygiene safety thanks to re-sealable system prevents drying and contamination
- Meets – in combination with the below-mentioned surface disinfectants – the requirements of the "recommendation for controlling critical points when using wipe dispensing systems in a pre-soaking system for surface disinfection" of the VAH[1]

Special properties:

- Absorbent, lint-free and tearproof disposable fleece wipes for optimum results
- Specially designed drop-shaped opening enables easy separation of the disposable fleece wipe and therefore allows easy re-sealing
- Disposable fleece wipe dispenser system – saves time and cost-intensive reprocessing
- Tamper-evident closure
- Stackable and space-saving

Application and dosage:

1. Before preparing the ready-to-use disposable wipe dispensing system disinfect hands and wear protective gloves.
2. Removal of the wipe dispenser lid by opening the tamper-evident closure. Then slowly fill centrally at least 2.25 L of the ready-to-use, alcoholic surface disinfectant resp. at least 2.5 L of the application solution of the Dr. Weigert product in the required concentration in accordance with the application recommendation.
3. Pull the first fleece wipe from the middle of the wipe roll through the opening of the dispensing lid, pull to the tapered end of the opening, tear off and discard.
4. Place the lid on the bucket and tightly close the opening. Fill in the preparation information on the wipe dispenser system (product name, batch, date of preparation, concentration, use-by date). After 30 min the fleece wipes are completely soaked and ready to use.
5. Wipe the surfaces to be cleaned or disinfected carefully with the soaked neoform wipes. For safe disinfection make sure the surfaces are completely wetted and observe the product specific contact time. Then discard the fleece wipe.
6. Keep the wipe dispenser system tightly closed after taking out the neoform wipes.
7. Disposal system: After depletion or after expiry of the shelf life, properly recycle wipes, any product residues and dispenser system.

The soaked neoform wipes can be used for up to 28 days if the dispenser system is properly closed.

neoform® wipes RTF

ready to fill

Compatibility:

The neoform wipes RTF disposable wipe dispensing system can be used with the following Dr. Weigert surface disinfectants:

- neoform Classic
- neoform MED FF
- neoform Rapid
- neoform K plus
- neoform K sprint
- neoform K dis

Please observe the application recommendations given in the product data sheet of the respective surface disinfectant. These are available under the category “Service/Downloads” at www.drweigert.com.

Notes on application:

- For professional use only.
- Not suitable for baby care.
- Not suitable for skin disinfection.
- Do not dispose in sanitary facilities.
- Do not use dried wipes.

Technical data:

Material	100 % PET
Wipes per roll	115
Weight per roll	425 g
Size of fleece wipe	30 x 25 cm

Storage information:

Protect from dust, humidity and direct sunlight. Store closed container at room temperature. It is recommended to limit the storage time of the closed container to a maximum of 5 years.

Hazard and precautionary statements:

Dispose only when container is empty and closed.

[1] Verbund für Angewandte Hygiene [Association of Applied Hygiene]
[2] Mitteilung der Desinfektionsmittel-Kommission im VAH unter Mitwirkung der „4+4-Arbeitsgruppe“: Zur Verwendung von Tuchspendersystemen in Bereichen mit besonderem Infektionsrisiko, Hyg Med 2014
[Notification of the Disinfectants Commission in the VAH with the participation of the "4 + 4 Working Group" On using wipes dispensing systems in areas of increased risk of infection, Hyg Med 2014]

triformin® care

Skin care cream

Fields of application:

- Skin care after working and in breaks in the public health sector such as in hospitals, clinics, doctors' practices, nursery homes, in chemical and pharmaceutical fields as well as in food processing companies such as professional kitchens, butchers' shops and dairies.

Performance spectrum:

- Very rich oil/water emulsion
- Especially for the care of stressed and dry skin
- Smoothens the skin perceivably and protects it against the loss of moisture
- Very gentle to the skin, confirmed in dermatological reports

Special Properties:

- Effective care with high quality jojoba oil
- Absorbed rapidly
- Keeps the skin smooth and elastic
- Free of perfumes
- Also suitable for the skin care of the whole body

Application and dosage:

Apply triformin care on the clean and dry skin and rub it in thoroughly.
For an optimum skin care triformin care should be used regularly after hand cleaning in breaks or after work.

For protecting the skin we recommend the use of the special skin protection cream triformin protect before work.

In addition to regular skin care with triformin care we recommend a gentle hand cleaning with triformin HR or hygienic hand washing with the hand decontaminant triformin decon.

General instructions on use:

- For professional use only
- For dosing triformin care from the 500 ml bottle we recommend the triformin dispenser 500
- Do not mix with other products

triformin® care

Technical data:

pH-value	approx. 5.0 (concentrate, 20 °C)
viscosity	< 10 Pa s (concentrate, 20 °C)
density	0.97 g/cm^3

Ingredients:

Aqua
Alcohol Denat.
Palmitic Acid
Stearic Acid
Paraffinum Liquidum
Propylene Glycol
Simmondsia Chinensis (Jojoba) Seed Oil
Glyceryl Stearate
Ceteareth-20
Dimethicone
Triisononanoin
Sodium Dihydroxycetyl Phosphate
Capryl Glycol
Xanthan Gum
Galactoarabinan
Glycerin
Lactic Acid
Serine
Sodium Lactate
Sorbitol
TEA-Lactate
Urea
Sodium Chloride
Sodium Benzoate
Allantoin

Hazard warnings and safety advice:

triformin care is not a hazardous product according to the CLP-Regulation (EC) No 1272/2008

Dispose only when container is empty and closed. For disposal of product residues, refer to the Material Safety Data Sheet.

Storage information:

Always store at a temperature ranging between 10 and 30 °C.
The closed bottles and tubes of triformin care can be stored for at least 30 months. Usable for 12 months after opened first.

Sales unit	Content
bottles	6 x 500 ml
tubes	12 x 100 ml

triformin® protect

Skin protection cream

Fields of application:

Skin protection during daily work in the field of healthcare such as e.g. hospitals, clinics, doctors' practices, nursing homes, in chemical and pharmaceutical areas as well as in the food processing industry such as e.g. professional kitchens, butcher's shops and dairies.

Performance Spectrum:

- Economical water-in-oil emulsion
- Effectively protects the skin from drying out
- Long-lasting protection and intensive care
- Very gentle to the skin (skin-friendliness), confirmed by dermatological certificates

Special properties:

- Protects the skin from drying out
- Intensive care due to selected ingredients
- Free of perfumes
- Beeswax ensures direct skin care
- Also suitable for the whole body

Application and dosage:

Apply triformin protect on clean and dry skin and rub in thoroughly, also between the fingers and on the nails. For optimum skin protection triformin protect should always be used before work and after longer breaks. Before using gloves make sure that triformin protect has been sufficiently absorbed.

In addition to skin protection with triformin protect we recommend prior gentle hand cleaning with triformin wash, triformin wash pure or hygienic hand washing with the hand decontaminant triformin decon.

For intermediate hand care we recommend the skin care cream triformin care.

General instructions on use:

- For professional use only!
- For dosing triformin protect from the 500 ml bottle we recommend the triformin dispenser 500.
- Do not mix with other products.
- The use of triformin protect does not exempt from the duty of using of prescribed protective measures.

Technical data:

Viscosity	approx. 1.800 Pa s (concentrate, 20 °C)
Density	0.9560 - 0,9610 g/cm^3

Ingredients:

AQUA, PARAFFINUM LIQUIDUM, ETHYLHEXYL STEARATE, ISOPROPYL PALMITATE, ALCOHOL DENAT., GLYCERIN, CETYL PEG/PPG-10/1, DIMETHICONE, PHENOXYETHANOL, CERA ALBA, HYDROGENATED CASTOR OIL, SODIUM CHLORIDE, TOCOPHERYL ACETATE, BENZOIC ACID, DEHYDROACETIC ACID

Storage information:

Store in a frost-free place. Always store at a temperature between 0 °C and 30 °C.
The closed bottles and tubes of triformin protect can be stored for at least 30 months at room temperature. Usable for 12 months after opening.

Hazard and precautionary statements:

triformin protect as a cosmetic product is not subject to Regulation (EC) No 1272/2008.

Dispose only when container is empty and closed.

A safety data sheet is available on request.

triformin® safeDIS

Hand disinfectant

Ready-for-use solution

Fields of application:

- Hygienic hand disinfection

Performance spectrum:

- Bactericidal, yeasticidal and virucidal (including norovirus)
- VAH[1]-listed

Special properties:

- With skin care and re-moisturising components
- Excellent skin tolerance, confirmed in dermatological reports
- Alcohol-based, free of colouring agents and perfumes and therefore suitable for the food industry

Application and dosage:

For hygienic hand disinfection apply 3 ml triformin safeDIS on the clean and dry skin and allow it to act for 30 sec. Keep your hands moist when disinfecting them with triformin safeDIS and observe the correct rubbing method for disinfecting all parts of your hands.

Hygienic hand disinfection	
bactericidal, yeasticidal and virucidal activity	3 ml – 30 sec

In addition to hygienic hand disinfection with triformin safeDIS we recommend the skin care cream triformin care and the skin protection cream triformin protect.

General instructions on use:

- For professional use only
- For dosing triformin safeDIS from the 1,000 ml bottle we recommend the triformin dispenser 1.0 resp. from the 500 ml bottle the triformin dispenser 0.5
- Do not mix with other products
- Storage and transport is only permitted in original packaging
- *Use disinfectants safely. Always read the label and product information before use*

Technical data:

pH-value	3.4 (ready-for-use-solution, 20 °C)
Viscosity	1.5 mPa s
Density	0.9 g/cm^3 (20 °C)
Flashpoint	19.5 °C according to Abel-Pensky

Ingredients:

Active substances in 100 g:
64.0 g ethanol
8.0 g propan-1-ol

Storage information:

Keep container tightly closed. Always store at a temperature between -20 °C and +30 °C.
Do not expose to direct sunlight.

Usable for 36 months when stored as recommended.
For expiry date refer to the stamp mark on the label behind the hourglass symbol ⌛.
In-use shelf life: 6 months.

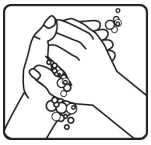
Hazard and precautionary statements:

If applied according to the instructions for use the product is safe according to the appropriate guidelines for food processing.

Dispose only when container is empty and closed. For disposal of product residues, refer to the Safety Data Sheet.

[1] Association of Applied Hygiene

triformin® wash



Washing lotion

Ready-to-use solution

Field of application:

- For frequent daily hand and body cleansing in the healthcare sector such as e.g. hospitals, clinics, doctors' practices, nursing homes, in chemical, cosmetical and pharmaceutical fields as well as in food processing areas e.g. in professional kitchens, butcher‘s shops and dairies

Activity spectrum:

- Very economical mild washing lotion
- Especially suitable for normal, dry and sensitive skin
- Suitable for body hygiene
- Excellent skin tolerance, confirmed by dermatological certificates

Special Properties:

- Based on natural plant-based raw materials
- Mild skin care
- pH-neutral
- With aloe vera and natural honey
- Free of soaps and alkali

Application and dosage:

For cleansing hands apply approx. 3 ml triformin wash on the moist skin and distribute evenly. Observe the correct washing technique to thoroughly cleanse the hands. Rinse with plenty of fresh water. Then thoroughly dry with disposable towel.

For body cleansing apply triformin wash onto the moist skin, rub thoroughly and rinse.

General instructions on use:

- For professional use only
- triformin wash is subject to the European Regulation on cosmetic products EC 1223/2009 as well as the GMP for cosmetics (Good Manufacturing Practice)
- For dosing triformin wash from the 1 L and 500 ml bottle we recommend the triformin dispenser 1.0 or triformin dispenser 0.5 from the Dr. Weigert triformin dispenser range
- In addition to cleansing with triformin wash, we recommend using the skin care lotion triformin care and the skin protection lotion triformin protect

Technical data:

pH range	approx. 5.5 - 5.9 (concentrate, 20 °C)
viscosity	1,800 - 2,600 cP (concentrate, 20 °C)
density	1.0 g/cm^3 (20 °C)

Ingredients:

Aqua, Sodium Laureth Sulfate, Sodium Chloride, Glycerin, Aloe Barbadensis Extract, Cocamidopropyl Betaine, Glycol Distearate, Laureth-4, Parfum, Methylchloroisothiazolinone, Methylisothiazolinone, Citric Acid, Mel, Linalool

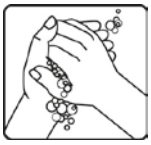
Storage information:

Closed containers of triformin wash can be stored for at least 30 months at room temperature. Shelf life after opening: 12 months.

Hazard warnings and safety advice:

Dispose only when container is empty and closed.

triformin® wash pure



Washing lotion

Liquid concentrate

Field of application:

- Frequent daily hand and body cleansing in the healthcare sector such as e.g. hospitals, clinics, doctors' practices, nursing homes as well as in professional kitchens, chemical, cosmetic and pharmaceutical areas

Activity spectrum:

- Very economical mild washing lotion
- Especially suitable for normal and dry skin
- Also suitable for body hygiene
- Excellent skin tolerance, confirmed by dermatological certificates

Special properties:

- Free of perfume and colouring agents
- Mild care product
- With lipid replenishing components and moisturising glycerin
- Free of soaps and alkali

Application and dosage:

For cleansing hands apply approx. 3 ml triformin wash pure on the moist skin and distribute evenly. Observe the correct washing technique to thoroughly cleanse the hands. Rinse with plenty of fresh water. Then thoroughly dry with disposable towel.
For body cleansing apply triformin wash pure onto the moist skin, rub thoroughly and rinse.

General instructions on use:

- For professional use only.
- triformin wash pure is subject to the European Regulation on cosmetic products EC 1223/2009 as well as the GMP for cosmetics (Good Manufacturing Practice)
- For dosing triformin wash pure from the 1 L and 500 ml bottle we recommend the triformin dispenser 1.0 or triformin dispenser 0.5 from the Dr. Weigert triformin dispenser program
- In addition to cleansing with triformin wash pure we recommend the use of the skin care cream triformin care and the skin protection cream triformin protect

Technical data:

pH range	approx. 6.0 – 7.0 (concentrate, 20 °C)
viscosity	800 – 2.000 cP (concentrate, 20 °C)
density	approx. 1.0 – 1.1 g/cm^3 (20 °C)

Ingredients:

Aqua, Sodium Laureth Sulfate, Sodium Chloride, Glycerin, Glycol Distearate, Laureth-4, Cocamidopropyl Betaine, Methylchloro-isothiazolinone, Methylisothiazolinone, Citric acid, Magnesium Nitrate, Magnesium Chloride

Storage information:

Always store at a temperature between 5 °C and 30 °C. Factory-sealed containers of triformin wash pure can be stored for at least 30 months at room temperature.
In-use shelf life: 12 months.

Hazard and precautionary statements:

Dispose only when container is empty and closed.

weigoman® pure

Alcohol-based hand disinfectant

Ready-to-use solution

Main field of application:

- Hygienic and surgical hand disinfection

Performance spectrum:

- Bactericidal, yeasticidal, tuberculocidal activity and activity against enveloped viruses have been confirmed by certification in accordance with European standards
- Active against Norovirus

Special properties:

- With highly active and synergetically acting moisturisers for improved skin tolerance
- Free of perfumes and colourants
- Suitable for sensitive skin
- Included in the IHO[1] list of disinfectants

Application and dosage:

For hygienic hand disinfection rub weigoman pure undiluted into the skin of the hands and keep it wet for 30 seconds.
For surgical hand disinfection repeatedly rub weigoman pure undiluted onto the hands and lower arms; keep wet for 1.5 minutes.
Ensure that problem areas (gaps between fingers, nail folds) are continuously kept wet.

Hygienic hand disinfection: Bactericidal (EN 13727, EN 1500), yeasticidal (EN 13624), tuberculocidal (EN 14348), virucidal activity against enveloped viruses (EN 14476), active against Norovirus (MNV) (EN 14476)	30 s
Surgical hand disinfection (EN 13727, EN 12791)	1.5 min

Notes on application:

- For professional use only.
- For dosing weigoman pure from the 1,000 ml bottle, we recommend using the triformin dispenser 1.0 resp. when dosing from the 500 ml bottle please use the triformin dispenser 0.5.
- Do not mix with other products.
- Storage and transport is only permitted in original packaging.
- *Use disinfectancts carefully. Always read label and product information before use.*

Technical data:

pH-value	approx. 5.7 (in deionised water, 1:2 v/v)
Density	approx. 0.8 g/cm^3
Flash point	21 °C DIN 51755

Ingredients:

Active substances in 100 g:
63.14 g 2-propanol
14.3 g 1-propanol

Storage information:

Keep container tightly closed. Do not store above 25 °C. Protect from direct sunlight.
Usable for 36 months when stored as recommended. For expiry date refer to the stamp mark on the label behind the hourglass symbol ⧖.
When opened use up within 6 months.

Hazard and precautionary statements:

Dispose only when container is empty and closed. For disposal of product residues, refer to the Safety Data Sheet.

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1 Industrieverband für Hygiene und Oberflächenschutz [German Association for Hygiene and Surface Protection]

По вопросам продаж и поддержки обращайтесь:

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Астрахань (8512)99-46-04
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Белгород (4722)40-23-64
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Оренбург (3532)37-68-04
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Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
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Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Сыктывкар (8212)25-95-17
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