

neomoscan, neoseptal, niroklar, triformin, weigoman

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neomoscan[®] FA 12

Alkaline detergent for the food industry - Liquid concentrate



Properties:

neomoscan FA 12 is a liquid, highly alkaline, active-foaming cleaning agent with very good resistance to water hardness. The particular combination of high alkalinity with strong, foaming, special wetting agents means quick penetration even of very encrusted and carbonated deposits containing grease and protein. Even stubborn deposits are detached from surfaces and emulsified and dispersed in the cleaning solution.

neomoscan FA 12 cleaning solutions are also fully effective where there are high levels of water hardness and they do not lose their foaming ability.

Main fields of application:

The use of neomoscan FA 12 is specially recommended in the case of very heavy soiling. The preferred field of application is the cleaning of stainless steel cooking and smoking cabinets.

neomoscan FA 12 working solutions do not attack surfaces made from stainless steel, normal steel, alkali-resistant plastics or rubber.

neomoscan FA 12 is not suitable for the cleaning of aluminium, light alloys and non-ferrous heavy metals, or tin-plated and galvanised materials.

Only for professional use.

Dosage:

Depending on the installation, work can take place using 5 - 10 weight-% solutions at 60 – 80 °C as a circulation via the lid ventilators or by means of suitable sprayers, high pressure cleaners or, preferably, using low pressure foam cleaning devices (here at a concentration of 2 - 5 weight-%), directly impinging on the soiled surfaces.

With the assistance of low-pressure foamer devices, neomoscan FA 12 produces stable foam, which adheres for a long time even to vertical surfaces. After a working time of 10 - 20 min, rinse with water.

To remove particularly stubborn smoke-tar and grease encrustations, the practice of working using a spray of a highly concentrated parent solution (20 - 30 weight-%) has proven to be best. The walls of the heated smoke installation are sprayed with this solution. After 10 - 15 minutes of working time, it is reworked using a diluted solution.

Tools made from stainless steel and alkali-resistant plastics in the meat and fish-processing industries are placed in a 1 - 3 weight-% neomoscan FA 12 solution and, after a sufficient working time, rinsed under running water. Stainless steel boiling pans are filled with hot water between 60 and 80 °C. 1 - 3 weight-% of neomoscan FA 12 is added and allowed to work for 30 - 60 min and the tools are then rinsed well with water. These containers can also be cleaned using a low-pressure foam procedure.

Controlled, safe and economic application is ensured by our weigomatic dosing systems. We are a specialist company in accordance with the German WHG (Water Conservation Law). Suited to the relevant conditions and requirements we plan, install and maintain central and distributed dosing units.

According to the law on food and requisites (LMBG), surfaces that come into contact with food must be rinsed with drinking water after each cleaning and disinfection to remove residues.

Do not mix with other products.

Determining concentration:

10 ml of neomoscan FA 12 working solution are mixed with 2 drops of phenolphthalein solution and titrated with 0.1 N hydrochloric acid until the colour changes from red to colourless.

ml of 0.1 N hydrochloric acid used x 0.121 = Gew.- % neomoscan FA 12

neomoscan[®] FA 12

Alkaline detergent for the food industry - Liquid concentrate




Technical data:

Appearance: Yellow-brown, clear liquid
Density at 20 °C: 1.41 g/cm³
pH value (1 % in deionised water): approx. 12.7
Alkaline capacity (ml of 0.1 N hydrochloric acid used in titration of 400 mg concentrate against phenolphthalein): approx. 33

Ingredients:

Ingredients according to Regulation (EC) No 648/2004 on detergents:
5-15 %: non-ionic surfactants

Storage information:

Always store at a temperature between 0 and 30 °C.
Usable for 2 years when stored as recommended.
Expiry date: refer the stamp mark on the label after the 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 Material Safety Data Sheet.

neomoscan[®] FA 2

Alkaline detergent for the food industry – Liquid concentrate



Main fields of application:

Cleaning of chocolate moulds, e.g. made of polycarbonate, of baking moulds and baking trays and other surfaces and equipment used in the chocolate and confectionary production, in bakeries and the delicatessen industry. neomoscan FA 2 is used for automated and manual cleaning as well as in immersion baths.

Furthermore, neomoscan FA 2 is used for cleaning tasks, especially involving fat-containing soiling, via steam jet devices and high-pressure cleaning devices and in brush cleaning systems.

For professional use only.

Properties:

neomoscan FA 2 is an alkaline detergent for items made of sensitive materials with the following properties:

- good material compatibility, also suitable for polycarbonate
- emulsifying and dispersing efficacy
- excellent wetting and complexing ability
- free of active chlorine
- suitable for stainless steel, aluminium and aluminium alloys as well as customary plastic

Dosage:

neomoscan FA 2 is used in cleaning plants, for manual cleaning as well as in immersion baths. The dosing amount depends on the degree of soiling and is 0.5 - 2 % (w/w). In the case of stubborn soiling the dosage may be increased up to 5 % (w/w). The application is done at 40-80 °C.

When cleaning chocolate moulds made of polycarbonate in cleaning plants the following application parameters are to be observed:

0.3 – 0.5 % (w/w) neomoscan FA 2 at temperatures of up to 60 °C in the washing tank. For rinsing the use of the proven rinse aid neodisher KN is recommended. The water quality should at least be softened water with max. 2 °d (German hardness) or demineralized water.

Surfaces that come into contact with food must be rinsed with drinking water after each cleaning and disinfection to remove residues.

Do not mix with other products.

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

Controlled, safe and economical application is ensured by our weigomatic[®] dosing systems. We are a specialist company in accordance with the German WHG (Water Conservation Act). Suited to the relevant conditions and requirements we plan, install and maintain central and distributed dosing units.

Determining concentration:

10 ml neomoscan FA 2 working solution is mixed with 1 - 2 drops of phenolphthalein solution and titrated with 0.1 N hydrochloric acid until the colour changes from red to colourless.

ml of 0.1 N hydrochloric acid used x 0.35 = % (w/w) neomoscan FA 2

Technical data:

Appearance: Clear, colourless liquid

Density (20 °C): approx. 1.31 g/cm³

pH-range (determined in deionised water, 20 °C): 0.3 – 2.0 % (w/w): 11.6 – 12.4

Alkaline capacity (ml of 0.1 N hydrochloric acid used in titration of 400 mg concentrate against phenolphthalein): approx. 11

neomoscan[®] FA 2

Alkaline detergent for the food industry – Liquid concentrate



Ingredients:

Ingredients according to Regulation (EC) No 648/2004 on detergents:
< 1 %, amphoteric surfactants, phosphates

Storage information:

Always store at a temperature range between -10 and 30 °C.

Usable for 3 years when stored as recommended. For expiry date refer to the stamp mark on the label behind the hour glass 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 Material Safety Data Sheet.



Alkaline cleaning agent for the food industry

Liquid concentrate

Fields of application:

- Cleaning of production systems, containers, tanks, lines, boilers and separators using automated CIP processes or circulation processes in the food industry.
- Cleaning of oven racks, e.g. in the baking industry.

Performance spectrum:

neomoscan FA 20 is a highly alkaline cleaning agent. It contains surfactants, complexing agents and dispersants and has the following properties:

- Reliably removes organic residue such as protein and fat
- Effective contaminant-absorption capacity and pronounced contaminant-carrying capacity
- Good wetting properties
- Has a defoaming action from 30 °C upwards
- Sprayable
- Phosphate-free
- Suitable for stainless steel and alkali-resistant plastics and seals
- Not suitable for aluminium and light alloys, copper, brass and non-ferrous alloys as well as tinned and galvanised surfaces

Application and dosage:

- Cleaning of production systems, containers, tanks, lines, boilers and separators using automated CIP processes and in circulation processes: The application concentration is 0.5 – 3.0 % (w/w) depending on the application, water hardness and degree of soiling in the temperature range of 50 – 135 °C.
- Cleaning of oven racks in automatic systems: The application concentration is 2.0 – 5.0 % (w/w) depending on application, water hardness and degree of soiling in the temperature range of 80 – 90 °C

General notes on application:

- For professional use only.
- In order to avoid product residues, rinse all surfaces with drinking water, especially those that come in contact with food, after each cleaning and disinfection measure.
- Do not mix with other products.
- Rinse out dosing system including suction hoses with water before changing product.
- Dose only from the original container.
- Do not use as a concentrate – only as a working solution.
- Please observe the operating instructions given by the manufacturer of the system/device.
- The weigomatic dosing systems and neomatik dosing devices by Dr. Weigert enable controlled, safe and economical application. We are a specialist company in accordance with the German Water Act (WHG). Suited to the individual conditions and requirements, we plan, install and maintain central and distributed dosing systems.

Determining concentration:

After adding one to two drops of phenolphthalein solution, 10 ml of neomoscan FA 20 solution is titrated with 0.1 N hydrochloric acid (HCl) until the colour changes from red to colourless.

$\text{ml of 0.1 N HCl used} \times 0.10 = \% \text{ (w/w)}$
neomoscan FA 20



Technical data:

Appearance	Clear, brownish liquid
pH value	12.8 (1% in fully deionised water, 20 °C)
Density	Approx. 1.4 g/cm ³ (20 °C)
p-value	Approx. 40 (ml of 0.1 N HCl used in titration of 400 mg concentrate against phenolphthalein)


The product specification may contain deviating test parameters. This specification can be obtained on request.

Ingredients:

Ingredients for cleaning agents according to Regulation (EC) No. 648/2004 on detergents:

< 5% phosphonates, non-ionic surfactants

Storage information:

Always store at a temperature between 0 and 30 °C. Usable for 2 years when stored as recommended. For the 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:

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

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

neomoscan[®] FA 4

Alkaline Detergent for the Food Industry - Liquid concentrate



Main fields of application:

Cleaning of surfaces and equipment, e.g. production plants, containers, floors and surfaces manually (e.g. wiping) as well as via spraying, circulation and immersion methods and via brushing machines; especially suitable for use in high-pressure and steam jet cleaners.
For professional use only.

Properties:

neomoscan FA 4 is a universally applicable, mildly-alkaline and slightly foaming detergent with the following properties:

- excellent cleaning performance (especially against fat and protein deposits)
- emulsifying and degreasing
- excellent dispersing and dirt-carrying ability
- excellent material compatibility
- suitable for stainless steel, mild steel, aluminium, iron, brass, copper, tin, glass and alkali-compatible synthetic materials
- lacquered/varnished and coated surfaces must be tested for suitability first

Dosage:

0.5 - 5 weight% at 40 - 60 °C depending on degree of soiling.

When using very hard industrial water a regular acidic cleaning to prevent resp. to remove lime scale is required.

Surfaces that come into contact with food must be rinsed with drinking water after each cleaning and disinfection to remove residues.

Do not mix with other products.

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

Controlled, safe and economical application is ensured by our weigomatic[®] dosing systems. We are a specialist company in accordance with the German WHG (Water Conservation Act). Suited to the relevant conditions and requirements we plan, install and maintain central and distributed dosing units.

Determining concentration:

The working solution concentrations are determined according to a special procedure. A detailed description of the method can be obtained on request.

Technical data:

Appearance:	Clear, yellow liquid
Density (20 °C):	approx. 1.11 g/cm ³
pH value (1 % in deionised water, 20 °C):	approx. 11.5


Ingredients:

Ingredients according to Regulation (EC) No 648/2004 on detergents:
< 5 % anionic surfactants
5 - 15 % phosphates
also perfumes

Storage information:

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

Usable for 3 years when stored as recommended.

Expiry date: refer to the stamp mark on the label after the hourglass symbol 

neomoscan[®] FA 7

Alkaline detergent for the food industry – Liquid concentrate



Main fields of application:

Cleaning of production plants via automated processes (CIP) in the food processing industry as well as for the automated cleaning of transport crates in bakeries and the confectionary and delicatessen production. Especially removes organic residues.

For professional use only!

Properties:

neomoscan FA 7 is a surfactant-containing alkaline cleaning agent with the following properties:

- good wetting and complexing action
- good dirt-carrying ability
- excellent hard water compatibility
- low foam action
- suitable for stainless steel, alkali-compatible plastic and rubber
- not suitable for aluminium, light metals and non-ferrous metals, tin-plated and zinc-plated materials

Dosage:

Automated cleaning of production plants (CIP):

Dosage depending on degree of soiling 1.0 – 4.0 % (w/w) and application at temperatures ranging between 40 - 80 °C.

Cleaning transport crates in cleaning plants:

Dosage depending on degree of soiling 0.2 – 0.7 % (w/w) and application at temperatures ranging between 60 - 70 °C. Depending on the water quality an acidic rinse aid, e.g. neodisher TS, or a neutral rinse aid, e.g. neodisher TN, is to be used.

Surfaces that come into contact with food must be rinsed with drinking water after each cleaning and disinfection to remove residues.

Do not mix with other products.

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

Controlled, safe and economical application is ensured by our weigomatic dosing systems. We are a specialist company in accordance with the German WHG (Water Conservation Act). Suited to the relevant conditions and requirements we plan, install and maintain central and distributed dosing units.

Determining concentration:

10 ml of neomoscan FA 7 working solution is mixed with 1 - 2 drops of phenolphthalein solution and titrated with 0.1 N hydrochloric acid until the colour changes from red to colourless.

ml of 0.1 N hydrochloric acid used x 0.20 = % (w/w) neomoscan FA 7

Technical data:


Appearance:	colourless to yellowish liquid
Density (20 °C):	1.38 g/cm ³
pH-value (1 % in deionised water, 20 °C):	approx. 13.0
Alkaline capacity (ml of 0.1 N hydrochloric acid used in titration of 400 mg of concentrate against phenolphthalein):	approx. 20

Ingredients:

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

Storage information:

Always store at a temperature range 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 hour glass symbol 



neomoscan[®] FM plus

Alkaline cleaning agent for the food industry

Liquid concentrate

Fields of application:

- Manual cleaning of surfaces and equipment in the food industry. Application in wiping and via low-pressure cleaning devices and foamers.

Performance spectrum:

neomoscan FM plus is an alkaline cleaning agent with the following properties:

- Highly pronounced effect against stubborn dirt and fat deposits
- Cleans powerfully and quickly
- Foaming adjustment
- Excellent material compatibility
- Suitable for glass, stainless steel and alkali-resistant plastics and seals
- Preliminary testing must be carried out for aluminium, anodised aluminium and light alloys

Application and dosage:

- For daily cleaning and light soiling:
0.5 – 2.0 % (w/w) in the temperature range up to 50 °C
- For heavy dirt and fat deposits, the application concentration can be increased to a maximum of 10 % (w/w).

General notes on application:

- For professional use only.
- In order to avoid product residues, rinse all surfaces with drinking water, especially those that come in contact with food, after each cleaning and disinfection measure.
- Do not mix with other products.
- Rinse out dosing system including suction hoses with water before changing product.
- Dose only from the original container.



- Do not use as a concentrate – only as a working solution.
- Please observe the operating instructions given by the manufacturer of the system/device.
- The weigomatic dosing systems and neomatik dosing devices by Dr. Weigert enable controlled, safe and economical application. We are a specialist company in accordance with the German Water Act (WHG). Suited to the individual conditions and requirements, we plan, install and maintain central and distributed dosing systems.

Determining concentration:

A few drops of Tashiro's indicator are added to 100 ml batch water and titration is performed with 0.1 N hydrochloric acid until the colour changes from green to red/violet (WW value).

A few drops of Tashiro's indicator are added to 100 ml neomoscan FM plus solution and titration is performed with 0.1 N hydrochloric acid until the colour changes from green to red/violet (LW value).

$$(LW - WW) \times 0.14 = \% (w/w) \text{ neomoscan FM plus}$$

Technical data:

Appearance	Clear, yellowish liquid
pH range	11.6–12.8 (0.5 – 10% in fully deionised water, 20 °C)
Density	Approx. 1.1 g/cm ³ (20 °C)
Viscosity	< 100 mPas (concentrate, 20 °C)

The product specification may contain deviating test parameters. This specification can be obtained on request.




Ingredients:

Ingredients for cleaning agents according to Regulation (EC) No. 648/2004 on detergents:

< 5% non-ionic surfactants,
5–15% anionic surfactants,
also fragrances (limonene)

Storage information:

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

Cloudiness may occur at temperatures below 5 °C and clears up on heating.

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:

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

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

neomoscan[®] S 22

Alkaline detergent for the food industry –
Liquid concentrate



Main fields of application: Cleaning of surfaces, floors, walls and containers as well as production and filling plants in the food industry using the foam cleaning method via low-pressure and foam cleaning devices and via wiping.

For professional use only!

Properties: neomoscan S 22 is an alkaline, active chlorine-containing detergent with the following properties:

- thorough removal of protein and fat-containing soiling
- excellent foaming activity for the effective use via foam cleaning devices
- free of perfumes and colourants
- excellent material compatibility
- suitable for stainless steel, brass, copper, aluminium, tin-plated materials, vitreous enamel, synthetic materials (plastic) and rubber

Dosage: Depending on degree of soiling and application, the concentration of neomoscan S 22 is between 1.5 - 5 (w/w) (weight%) in a temperature range of 40 °C – 60 °C.

To remove residues, surfaces that come into contact with food must be rinsed with drinking water after every cleaning and disinfection.

Do not mix with other products.

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

The instructions of the production and cleaning plants must be observed.

The weigomatic[®] dosing systems resp. neomatik[®] dosing devices by Dr. Weigert enable controlled, safe and economical application. We are a specialist company in accordance with the German Water Conservation Act (Wasserhaushaltsgesetz, WHG). Suited to the individual conditions and requirements we plan, install and maintain central and distributed dosing systems.

Determining concentration: 2 drops of a 3% hydrogen peroxide solution are added to 10 ml neomoscan S 22 solution; the mixture is shaken briefly and after adding 1-2 drops of phenolphthalein solution, the mixture is titrated with 0.1 N hydrochloric acid until the colour changes from red to colourless.

Consumed ml 0.1 N hydrochloric acid x 0.74 = weight.-% neomoscan S 22

Technical data:

Appearance:	Clear, yellow-brown liquid
Density (20 °C):	1.22 g/cm ³
pH value (1 % in deionised water, 20 °C):	approx. 12
Alkaline capacity (ml of 0.1 N hydrochloric acid used in titration of 400 mg of concentrate against phenolphthalein):	approx. 5
Active chlorine content of a 1 % solution:	approx. 500 mg/l

The product specification may contain deviating test parameters. These are available on request.

Ingredients: Ingredients according to Regulation (EC) No 648/2004 on detergents:
5 – 15 % soap
< 5 % non-ionic surfactants, phosphates, chlorine-based bleaching agents

Storage information: Always store at a temperature between 0 °C and 25 °C. Protect from direct sunlight. Usable for 1 year when stored as recommended. For expiry date refer to the stamp mark on the label behind the hourglass symbol ⏳.



neomoscan® TE 350

Alkaline detergent and disinfectant for the food industry

Liquid concentrate



Fields of application:

- Combined cleaning and disinfection of production plants, containers, tanks and pipes in the food industry via automated CIP processes or in the circulation process
- Combined cleaning and disinfection of reusable transport boxes and containers as well as small parts and detachable parts in automated cleaning plants.

Performance spectrum:

neomoscan TE 350 is an alkaline, active-chlorine-containing detergent and disinfectant with the following properties:

- Bactericidal, yeasticidal, fungicidal, virucidal, sporicidal
- Powerfully removes organic soiling, such as animal and vegetable protein and fat
- Foam-free formula
- Included in the IHO¹ list of disinfectants
- Suitable for stainless steel as well as alkali-compatible and active chlorine-compatible plastic and sealings
- Not suitable for aluminium, aluminium alloys and other light metal alloys as well as galvanised materials
- Brass, copper and non-ferrous metal alloys must be tested for suitability first.

Application and dosage:

- Observe the following application parameters, depending on application and desired activity:

Combined cleaning and disinfection (non-pre-cleaned surfaces)	
Bactericidal activity (EN 1276)	27 ml/l (2.7 vol.-%), 5 min, 20 °C

Yeasticidal / fungicidal activity (EN 1650)	13 ml/l (1.3 vol.-%), 15 min, 20 °C
Virucidal activity (EN 14476)	10 ml/l (1.0 vol.-%), 5 min, 20 °C
Sporicidal activity (EN 13704)	33 ml/l (3.3 vol.-%), 15 min, 20 °C

- To increase the cleaning performance the application temperature can be raised to up to 80 °C.

Notes on application:

- For professional use only.
- In order to avoid product residues, rinse surfaces with drinking water, especially those that come in contact with food, after each cleaning and disinfection measure.
- Rinse out dosing system including suction hose with water before changing product.
- Only dose from the original container.
- Do not use as a concentrate – only as a working solution.
- Please observe the operating instructions given by the manufacturer of the system/device.
- The weigomatic dosing systems resp. neomatik dosing devices by Dr. Weigert enable controlled, safe and economical application. We are a specialist company in accordance with the German Water Conservation Act (Wasserhaushaltsgesetz, WHG). Suited to the individual conditions and requirements we plan, install and maintain central and distributed dosing systems.
- *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.

Determining concentration:

2 drops of a 3% hydrogen peroxide solution are added to 10 ml neomoscan TE 350 solution, the mixture is shaken briefly and after adding 1-2 drops of phenolphthalein solution, the mixture is titrated with 0.1 hydrochloric acid until the colour changes from red to colourless.

ml of 0.1 N HCl used x 0.58 = % (w/w) neomoscan TE 350

Technical data:

Appearance	Clear, yellowish liquid
pH-value	approx 12 (1 % in deionised water, 20 °C)
Density	approx. 1.2 g/cm ³ (20 °C)
Alkaline capacity	approx. 7 (ml of 0.1 N (HCl) hydrochloric acid used in titration of 400 mg concentrate against phenolphthalein)
Active chlorine	approx. 250 mg/l (in 1 % solution)

The product specification may contain deviating test parameters. This specification can be obtained on request.

Ingredients:


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

< 5 % phosphates, chlorine-based bleaching agents, polycarboxylates, phosphonates

Active substances in 100 g:

2.5 g sodium hypochlorite

Storage information:

Always store at a temperature between 4 °C and 24 °C. Keep away from sunlight. Usable for 1 year 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:

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 IHO – Industrieverband Hygiene und Oberflächenschutz
[German Association for Hygiene and Surface Protection]

neomoscan[®] TE-S

Alkaline detergent and disinfectant for the food industry - Liquid concentrate



Main fields of application:

Cleaning and disinfection of surfaces, such as walls and floors, of containers, working equipment, working surfaces, exterior surfaces of production and filling plants and transport facilities and for general cleaning and disinfection.

For use in low pressure foaming devices and for wiping.

For professional use only.

Properties:

neomoscan TE-S is an alkaline, active chlorine-containing detergent and disinfectant with the following properties:

- bactericidal and fungicidal in accordance with EN 1276 and EN 1650
- powerfully and rapidly removes organic soiling such as animal and vegetable protein and fat
- high foaming activity for use in foam cleaning devices
- included in the IHO¹ disinfectant list
- suitable for stainless steel, brass, copper, vitreous enamel, alkali-compatible synthetic materials as well as rubber
- not suitable for aluminium, light metal alloys and galvanised materials

Dosage:

Depending on the degree of soiling a pre-rinse with water resp. a pre-cleaning with neomoscan TE-S is recommended. For disinfection dilute neomoscan TE-S in accordance with below-mentioned dosing recommendation, apply on surface and allow to take effect.

Cleaning	20 ml/l (2.0 vol.-%), 10 – 15 min, 20 – 40 °C
Disinfection (cleaned surfaces)	
Bactericidal (EN 1276 and EN 13697)	40 ml/l, (4.0 vol.-%), 15 min, 20 °C
Fungicidal (EN 1650 and EN 13697)	50 ml/l, (5.0 vol.-%), 15 min, 20 °C

Surfaces that come into contact with food must be rinsed with drinking water after each cleaning and disinfection to remove residues.

Do not mix with other products.

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

The weigomatic[®] dosing systems resp. neomatik[®] dosing devices by Dr. Weigert enable controlled, safe and economical application. We are a specialist company in accordance with the German Water Conservation Act (Wasserhaushaltsgesetz, WHG). Suited to the individual conditions and requirements we plan, install and maintain central and distributed dosing systems..

Use disinfectant safely. Always read the label and product information before use.

Expert reports:

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

neomoscan[®] TE-S




Alkaline detergent and disinfectant for the food industry - Liquid concentrate

Determining concentration: The working solution concentrations are determined according to a special procedure. A detailed description of the method can be obtained on request.

Technical data:

Appearance:	Clear, yellow liquid
Density (20 °C):	approx. 1.17 g/cm ³
pH-value (1 % in deionised water, 20 °C):	approx. 12
Alkaline capacity (ml of 0.1 N hydrochloric acid used in titration of 400 mg of concentrate against phenolphthalein):	approx. 6
Active chlorine content of a 1 % solution:	approx. 330 mg/l

Ingredients: Ingredients according to Regulation (EC) No 648/2004 on detergents:
< 5 % non-ionic surfactants, phosphates
5 - 15 % soap
also disinfectants
Active substances in 100 g: 3.5 g sodium hypochlorite

Storage information: Always store at a temperature between 0 and 25 °C. Do not expose to direct sunlight. 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: 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.



neomoscan[®] TE-S 150

Alkaline detergent and disinfectant for the food industry

Liquid concentrate



Fields of application:

- Combined cleaning and disinfection of surfaces, floors, walls, containers, working surfaces, exterior surfaces of production and filling plants and transport facilities as well as for the general cleaning and disinfection in the food industry via low-pressure and foam cleaning devices as well as via wiping.

Performance spectrum:

neomoscan TE-S 150 is an alkaline, active chlorine-containing detergent and disinfectant with the following properties:

- Bactericidal, yeasticidal, fungicidal, virucidal, sporicidal
- Powerfully removes organic soiling, such as animal and vegetable protein and fat
- High foam activity for use in foam cleaning devices
- Included in the IHO¹-list of disinfectants (added, checked on 19 April 2021)
- Suitable for stainless steel as well as alkali-compatible and active chlorine-compatible plastic and sealings
- Not suitable for aluminium, aluminium alloys and other light metal alloys as well as galvanised materials
- Brass, copper and non-ferrous metal alloys must be tested for suitability first.

Application and dosage:

Observe the following application parameters, depending on application and desired activity:

Combined cleaning and disinfection (non-pre-cleaned surfaces)	
Bactericidal activity (EN 1276, EN 13697)	41 ml/l (4.1 vol.-%), 5 min, 20 °C 35 ml/l (3.5 vol.-%), 15 min, 20 °C
Fungicidal activity (EN 1650, EN 13697)	50 ml/l (5.0 vol.-%), 15 min, 20 °C
Virucidal activity (EN 14476)	10 ml/l (1.0 vol.-%), 5 min, 20 °C
Sporicidal activity (EN 13704)	28 ml/l (2.8 vol.-%), 15 min, 20 °C

- To increase the cleaning performance the application temperature can be raised to up to 50 °C.
- Acidic and/or oxidative detergents and disinfectants must not be used for standing disinfection because of the risk of pitting corrosion on stainless steel. The formation of pitting corrosion is favoured by high chloride contents in the water used, high temperatures and still solutions.

Notes on application:

- For professional use only.
- In order to avoid product residues, rinse surfaces with drinking water, especially those that come in contact with food, after each cleaning and disinfection measure.
- Rinse out dosing system including suction hose with water before changing product.
- Only dose from the original container



- Do not use as a concentrate – only as a working solution.
- Please observe the operating instructions given by the manufacturer of the system/device.
- The weigomatic dosing systems resp. neomatik dosing devices by Dr. Weigert enable controlled, safe and economical application. We are a specialist company in accordance with the German Water Conservation Act (Wasserhaushaltsgesetz, WHG). Suited to the individual conditions and requirements we plan, install and maintain central and distributed dosing systems.
- *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.

Determining concentration:

2 drops of a 3% hydrogen peroxide solution are added to 10 ml neomoscan TE-S 150 solution, the mixture is shaken briefly and after adding 1-2 drops of phenolphthalein solution, the mixture is titrated with 0.1 hydrochloric acid until the colour changes from red to colourless.

ml of 0.1 N HCl used x 0.53 = % (w/w)
neomoscan TE-S 150

Technical data:

Appearance	Clear, yellowish liquid
pH-value	approx 12 (1 % in deionised water, 20 °C)
Density	approx. 1.2 g/cm ³ (20 °C)
Alkaline capacity	approx. 7 (ml of 0.1 N (HCl) hydrochloric acid used in titration of 400 mg concentrate against phenolphthalein)
Active chlorine	approx. 250 mg/l (in 1 % solution)

The product specification may contain deviating test parameters. This specification can be obtained on request.


Ingredients:

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

< 5 % phosphates, chlorine-based bleaching agents, polycarboxylates, phosphonates

Active substances in 100 g:
2.5 g sodium hypochlorite

Storage information:

Always store at a temperature between 4 °C and 24 °C. Keep away from sunlight. Usable for 1 year 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.



neomoscan[®] TE-S 150

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 IHO – Industrieverband Hygiene und Oberflächenschutz
[German Association for Hygiene and Surface Protection]



neoseptal® PE 15

Disinfectant for the food, pharmaceutical and cosmetics industry

Liquid concentrate



Fields of application:

- Disinfection of production and filling systems such as containers, tanks, lines and heat exchangers using automated CIP processes or circulation process in the food, pharmaceutical and cosmetics industries.
- Disinfection of small and detachable parts in cleaning systems in the pharmaceutical and cosmetics industries.
- Disinfection of cleaned milking and milk-cooling systems and for interim disinfection of milking clusters using immersion and spraying processes and using automatic rinsing systems. Disinfection of brushes in automatic milking systems in the milk production area.

Performance spectrum:

neoseptal PE 15 is a highly effective disinfectant based on peracetic acid with the following properties:

- Fast and wide-ranging efficacy
- Bactericidal, yeasticidal and fungicidal according to EN 1276 and EN 1650
- Sporocidal according to EN 13704
- Foam-free adjustment – tenside-free
- Included in the IHO list of disinfectants
- Optimally suited to interim disinfection of milking equipment according to EN 1276 and EN 13697
- Included in the input list for organic farming and organic processing in Germany
- Suitable for stainless steel, aluminium, tinned iron and acid-compatible plastics up to an application concentration of 1.0 percent by volume

- Not suitable for copper, brass and other non-ferrous alloys as well as galvanised iron
- For plastic-lined tanks in the drinks industry, preliminary tests need to be carried out or you can contact us.

Application and Dosage:

- The application parameters named below must be adhered to, depending on the efficacy.

Disinfection of cleaned systems in the food, pharmaceutical and cosmetics industries:	
Bactericidal (EN 1276)	0.25 ml/l (0.025 percent by volume), 5 min, 20 °C 2 ml/l (0.2 percent by volume), 15 min, 10 °C
Yeasticidal (EN 1650)	1 ml/l (0.1 percent by volume), 15 min, 20 °C 2 ml/l (0.2 percent by volume), 15 min, 10 °C
Fungicidal (EN 1650)	10 ml/l (1.0 percent by volume), 15 min, 20 °C
Sporocidal (EN 13704)	0.5 ml/l (0.05 percent by volume), 60 min, 20 °C 2.5 ml/l (0.25 percent by volume), 15 min, 20 °C

Interim disinfection of milking equipment	
Bactericidal (EN 1276 and EN 13697)	10 ml/l (1.0 percent by volume), 30 min, 20 °C



- neoseptal PE 15 must not be mixed with active chlorine-containing cleaning solutions.
- Do not let the concentrate come in contact with either organic substances (e.g. oils, grease/fat, rubber, paper, general soiling) or with rust or metal shavings/abrasions
- Acidic and/or oxidative detergents and disinfectants must not be used for standing disinfection due to the risk of pitting corrosion of stainless steel. The formation of pitting corrosion is facilitated by high chloride amounts in the water, high temperatures and still solutions
- When cleaning small and detachable parts it must be observed that the use of neoseptal PE 15 is not suitable for all washers.
- Before the first use of neoseptal PE 15 the compatibility of the product with washer parts and cleaning programs must be checked by the Application Technology Department neomoscan together with the manufacturer of the washer.
- When using neoseptal PE 15 the items to be washed, the cleaning system and the drain pipes must be acid-compatible.
- The weigomatic dosing systems resp. neomatik dosing devices by Dr. Weigert enable controlled, safe and economical application. We are a specialist company in accordance with the German Water Conservation Act (Wasserhaushaltsgesetz, WHG). Suited to the individual conditions and requirements we plan, install and maintain central and distributed dosing systems.
- *Use disinfectants safely. Always read the label and product information before use.*

Notes on application:

- For professional use only.
- In order to avoid product residues, rinse all surfaces with drinking water or deionised water – especially those that come in contact with food or pharmaceutical and cosmetic products – after each cleaning and disinfection measure
- Rinse out dosing system including suction hose with water before changing product.
- Only dose from the original container
- Do not use as a concentrate – only as a working solution
- Please observe the operating instructions given by the manufacturer of the system/device
- The instructions given by the manufacturer of the milking and milk cooling systems are to be observed.

Expert reports:

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

Determining concentration:

The working solutions is determined by a special procedure. A detailed description of the method can be obtained on request.

On request we are pleased to provide you with methods for quantifying the residues of detergents in order to validate the cleaning performance in the pharmaceutical industry.

Technical data:

Appearance	Clear, colourless liquid
pH-value	2.6 (1 % in deionised water, 20 °C)
Density	approx. 1.1 g/cm ³ (20 °C)

The product specification may contain deviating test parameters. This specification can be obtained on request.


Ingredients:

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

Active substances in 100 g: 15.39 peracetic acid



Storage information:

Always store at a temperature between 0 and 25°C. Keep away from sunlight. Usable for 1 year 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:

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 IHO – Industrieverband Hygiene und Oberflächenschutz
[German Association for Hygiene and Surface Protection]

neoseptal[®] plus

Disinfecting cleaner for surfaces and equipment – liquid concentrate



Fields of application:

Combined cleaning and disinfection of working utensils, small and detachable parts as well as (working) surfaces via wiping, via low-pressure and foam cleaning equipment and via immersing; used in the pharmaceutical, cosmetics and food industry.

Use in cooled areas (10 °C and 4 °C).

Use in hygiene sluices, e.g for disinfecting shoe soles.

For professional use only!

Characteristics:

neoseptal plus is a disinfecting cleaner based on quaternary ammonium compounds (quats) and amine derivatives and has the following properties:

- bactericidal and yeasticidal activity confirmed according to the European Standards EN 1276, EN 1650 and EN 13697
- activity against enveloped viruses confirmed according to RKI/DVV¹
- disinfecting performance also tested and confirmed at 4 °C and 10 °C
- excellent cleaning performance
- very good foam activity when using foam devices
- free of perfumes, colourants and aldehydes
- excellent material compatibility
- highly economical due to its low working concentration and short action times
- included in the IHO² list of disinfectants
- suitable for stainless steel, light and ferrous metals and its alloys and plastic
- NBR and anodised aluminium must be tested first

Dosage:

Dilute neoseptal plus according to the below-mentioned dosing recommendation depending on the respective application. The working temperature should not exceed 40 °C.

Application recommendation	
Surface disinfection with wiping or foaming procedure (bactericidal, yeasticidal)	
Cleaning and disinfection (all surfaces – not pre-cleaned and pre-cleaned)	5 ml/l (0.5 Vol.-%), 15 min, 20 °C 20 ml/l (2.0 Vol.-%), 60 min, 10 °C 30 ml/l (3.0 Vol.-%), 60 min, 4 °C
Disinfection (pre-cleaned surfaces)	5 ml/l (0.5 Vol.-%), 15 min, 20 °C 10 ml/l (1.0 Vol.-%), 5 min, 20 °C
also active against enveloped viruses according to RKI/DVV (incl. HIV, HCV, HBV, influenza)	10 ml/l (1.0 Vol.-%), 15 min, 20 °C
Disinfection of small parts in an immersion bath (bactericidal, yeasticidal)	
Cleaning and disinfection (all small parts – not pre-cleaned and pre-cleaned)	10 ml/l (1.0 Vol.-%), 60 min, 20 °C Change solution in case of visible contamination, at least daily
Disinfection (pre-cleaned small parts)	10 ml/l (1.0 Vol.-%), 15 min, 20 °C Change solution in case of visible contamination, at least weekly
Cleaning and disinfection (bactericidal) of shoe soles	
Cleaning with a sole cleaning device (brush system)	from 1 ml/l (0,1 Vol.-%)

¹ Methods of the Robert Koch Institute (RKI) and the German Association for the Control of Virus Diseases (Deutsche Vereinigung zur Bekämpfung von Viruskrankheiten [DVV])

² German Association for Hygiene and Surface Protection (Industrieverband Hygiene und Oberflächenschutz [IHO])

neoseptal[®] plus

Disinfecting cleaner for surfaces and equipment – liquid concentrate



Disinfecting with a disinfection mat	40 ml/l (4.0 Vol.-%), 5 min, 20 °C Change solution in case of visible contamination, at least every 2 days
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Surfaces that come in contact with food must be rinsed with drinking water after each cleaning and disinfection to remove residues.

It is generally recommended to wear gloves when working with disinfectants.

For an economical and controlled dosage the use of manual dosing ancillaries such as mixing equipment is recommended. Please contact us.

Do not mix with other products.

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

Use disinfectant safely. Always read the label and product information before use.

Certificates / listings:

The disinfecting activity has been tested and confirmed by the European standards EN 1276, EN 1650, EN 13697 and the methods of the German Robert Koch Institute (RKI) and the German Association for the Control of Viral Diseases (DVV)¹. We are pleased to provide certificates on request.


Technical data:

Appearance: clear, colourless to yellowish liquid
Density (20 °C): approx. 0.99 g/cm³
pH-range (0.5 - 1.0 weight-% determined in deionised water, 20 °C): approx. 9.0
Viscosity (concentrate, 20 °C) < 50 mPas

Ingredients:

Ingredients according to Regulation (EC) No 648/2004 on detergents:
5 - 15 % non-ionic surfactants, disinfectants
Active substances in 100 g: 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 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.



Acidic Detergent for the food industry

Liquid concentrate



Fields of application:

- Cleaning of production systems, containers, tanks and lines using automated CIP processes or circulation processes in the food industry.
- Machine cleaning of reusable transport boxes and containers in cleaning systems.

Performance spectrum:

niroklar 2000 contains phosphoric acid and special wetting agents, and has the following properties:

- Powerfully dissolves mineral and other acid-soluble deposits
- Emulsifying action
- Infiltrates organic deposits and supports their removal
- Has a good contaminant-carrying capacity and is easy to stack
- Foam-free upwards of 40 °C
- Material-preserving formulation
- Suitable for stainless steel, rubber and acid-resistant plastics and seals
- Highly-effective corrosion inhibitors largely prevent the attack on light and non-ferrous metals and their alloys, taking into account the application conditions.

Application and Dosage:

- Cleaning using automated CIP processes or circulation processes: The application concentration is 0.5 – 2.5 % (w/w), depending on application, degree of soiling and water hardness, in the temperature range of 40 – 80 °C
- Cleaning of reusable transport boxes and containers in cleaning systems:

The application concentration is 0.3 – 0.5 % (w/w), depending on application, degree of soiling and water hardness, in the temperature range of 50 – 65 °C

- niroklar 2000 must not be mixed with active chlorine-containing cleaning solutions.
- Acidic and/or oxidative detergents and disinfectants must not be used for long-term use due to the risk of pitting corrosion of stainless steel. The formation of pitting corrosion is facilitated by high chloride amounts in the water, high temperatures and still solutions.
- When using niroklar 2000 the items to be washed, the cleaning system and the drain pipes must be acid-compatible.

General notes on application:

- For professional use only.
- In order to avoid product residues, rinse all surfaces with drinking water, especially those that come in contact with food, after each cleaning and disinfection measure.
- Do not mix with other products.
- Rinse out dosing system including suction hoses with water before changing product.
- Only dose from the original container
- Do not use as a concentrate – only as a working solution
- Please observe the operating instructions given by the manufacturer of the system/device
- The weigomatic dosing systems and neomatik dosing devices by Dr. Weigert enable controlled, safe and economical application. We are a specialist company in accordance with the German Water Act (Wasserhaushaltsgesetz, WHG). Suited to the individual conditions and requirements, we plan, install and maintain central and distributed dosing systems.



Determining concentration:

After adding one to two drops phenolphthalein solution, 10 ml of niroklar 2000 solution is titrated with 0.1 N sodium hydroxide (NaOH) until the colour changes from colourless to red.

ml of 0.1 N NaOH used x 0.11 = % (w/w)
niroklar 2000

Technical data:

Appearance	Clear, colourless liquid
pH-value	1.8 (1 % in fully deionised water, 20 °C)
Density	approx. 1.3 g/cm ³ (20 °C)
p-value	approx. - 37 (ml of 0.1 N (NaOH) sodium hydroxide solution used in titration of 400 mg of concentrate against phenolphthalein)

The product specification may contain deviating test parameters. This specification can be obtained on request.


Ingredients:

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

5–15 % anionic surfactants

> 30 % phosphates

Storage information:

Always store at a temperature between -20 and 30 °C. Usable for 3 years when stored as recommended. For the 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:

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

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

niroklar[®] AR

Acidic detergent for the food industry – Liquid concentrate



Main fields of application: Exterior cleaning of production and packing plants, tanks and pipes, filling machines and conveyor belts as well as cleaning tiles and glazed tiles of floors and walls in the production, filling and sanitary area.

niroklar AR is applied manually by wiping, via dipping method or suitable cleaning, spraying and low pressure foaming devices.

For professional use only!

Properties: niroklar AR is an acidic detergent based on phosphoric acid in combination with highly effective wetting agents and emulsifiers and has the following properties:

- universally applicable
- reliably removes mineral deposits and emulsifies greasy, oily and pigment-containing dirt residues
- foaming
- suitable for stainless steel, aluminium, acid-compatible synthetic materials as well as tiles, glazed tiles and acid-proof jointing material. With short contact times the treatment of copper and iron is also possible.
- not suitable for galvanised surfaces

Dosage: Depending on the degree of soiling and the application 1.0 – 2.0 weight% at temperatures of 40-60 °C.

Surfaces that come into contact with food must be rinsed with drinking water after each cleaning and disinfection to remove residues.

Do not mix with other products.

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

The instructions given by the manufacturer of the production and cleaning plants must be observed.

The weigomatic dosing systems resp. neomatik dosing devices by Dr. Weigert enable controlled, safe and economical application. We are a specialist company in accordance with the German Water Conservation Act (Wasserhaushaltsgesetz, WHG). Suited to the individual conditions and requirements we plan, install and maintain central and distributed dosing systems.

Determining concentration: 10 ml of niroklar AR working solution is mixed with 1 - 2 drops of phenolphthalein solution and is titrated with 0.1 N caustic soda solution until the colour changes from colourless to red.


ml of 0.1 N caustic soda solution used x 0.17 = weight-% niroklar AR

Technical data:

Appearance:	Clear, yellowish liquid
Density (20 °C):	approx. 1.2 g/cm ³
pH value (1 % in deionised water, 20 °C):	1.8
Acid capacity (ml of 0.1 N NaOH used in titration of 400 mg concentrate against phenolphthalein):	approx. – 24

The product specification may contain deviating test parameters. This specification can be obtained on request.

Ingredients: Ingredients according to Regulation (EC) No 648/2004 on detergents:
< 5 % anionic surfactants
5 - 15 % non-ionic surfactants
15 – 30 % phosphates

Storage information: Always store at a temperature between -10 °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 .

niroklar[®] S 55

Acid detergent for the food industry - Liquid concentrate



Main fields of application: Cleaning of exterior surfaces of tanks, containers, pipes as well as conveyor belts, filling plants, working utensils, surfaces, walls and floors in the food industry.
To be used in a foam process via low pressure and foam cleaning devices.
For professional use only.

Properties: niroklar S 55 is an acidic detergent based on a combination of phosphoric acid and foam-active anionic surfactants with the following properties

- Effectively solves mineral deposits such as limescale and boiler scale
- Rapidly infiltrates organic deposits such as fat and protein
- Forms stable foam when used in low pressure or foam cleaning devices
- Suitable for stainless steel, rubber, acid-compatible synthetic materials, aluminium
- Acid-sensitive non-ferrous metals and non-ferrous metal alloys, such as copper and tin, may only come into contact with a diluted niroklar S 55 solution for a short time

Dosage: Depending on the degree of soiling 2 – 3 weight%. With especially stubborn deposits the concentration can be increased to 10 weight%. The usual temperature range is 20 °C – 40 °C.
Surfaces that come into contact with food must be rinsed with drinking water after each cleaning and disinfection to remove residues.

Do not mix with other products.

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

The weigomatic[®] dosing systems resp. neomatik[®] dosing devices by Dr. Weigert enable controlled, safe and economical application. We are a specialist company in accordance with the German Water Conservation Act (Wasserhaushaltsgesetz, WHG). Suited to the individual conditions and requirements we plan, install and maintain central and distributed dosing systems.

Determining concentration: After adding 1 - 2 drops of phenolphthalein solution, 10 ml of niroklar S 55 working solution is titrated with 0.1 N caustic soda solution until the colour changes from colourless to red.
 $\text{ml of 0.1 N caustic soda solution used} \times 0.13 = \text{weight-\% niroklar S 55}$

Technical data:

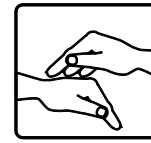
Appearance:	Clear, yellowish liquid
Density (20 °C):	approx. 1.28 g/cm ³
pH value (1 % in deionised water, 20 °C):	approx. 2.1
Acid capacity (ml of 0.1 N NaOH used in titration of 400 mg of concentrate against phenolphthalein):	approx. - 31

Ingredients: Ingredients according to Regulation (EC) No 648/2004 on detergents:
5 - 15 % anionic surfactants
> 30 % phosphates
also perfume (limonene)

Storage information: Always store at a temperature between -20 °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 ⏳.



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 perceptibly 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



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
Triisononoin
Sodium Dihydroxycetyl Phosphate
Capryl Glycol
Xanthan Gum
Galactoarabinan
Glycerin
Lactic Acid
Serine
Sodium Lactate
Sorbitol
TEA-Lactate
Urea
Sodium Chloride
Sodium Benzoate
Allantoin

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.

Hazard warnings and safety advice:

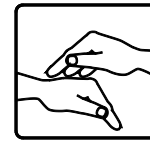
triformin care is not a hazardous product according to the CLP-Regulation (EC) No 1272/2008

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

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)
- VAH¹-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.



triformin[®] safeDIS

Hazard and precautionary statements:

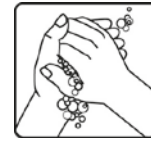
If applied according to the instructions for use the product is safe according to the appropriate guidelines for food processing.

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 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 IHO¹ 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 disinfectants 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:

For safety information see EC safety data sheets. These are available at www.drweigert.com under the category "Service/Downloads".

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

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

MB 4078/3-1

Last updated: 02/2019

Meat, Fish, Delicatessen Industry	Alkaline cleaners								Acid cleaners				Additives				Disinfectants				Special products		
	neomoscan® FA 2	neomoscan® FA 7	neomoscan® FA 12	neomoscan® FA 2036	neomoscan® S 11	neomoscan® S 22	neomoscan® FA 4	neomoscan® Sepa	niroklar® Sauer flüssig	niroklar® 2000	niroklar® S 55	niroklar® AR	doscan® RV 2	doscan® RV 7	doscan® RV-S	doscan® ASM	neoseptal® PE 15 ¹	neoform® K diss ¹	neoform® K sprint ¹	neomoscan® TE-S 150 ¹	neomoscan® TE 350 ¹	caraform® universal	neomoscan® FM plus
	slightly foaming, suitable for aluminium	defoaming ² , for CIP	foaming, smoke resin remover	defoaming ² , for CIP	foaming	active chlorine, foaming, suitable for aluminium	foaming	active chlorine, free of surfactants, for CIP	nitric acid, free of surfactants, for CIP	phosphoric acid, defoaming ² , for CIP	phosphoric acid, foaming	phosphoric acid, foaming	for alkaline CIP-solutions, defoaming ²	for alkaline CIP-solutions, defoaming ²	for acid (nitric acid) CIP-solutions, inhibitors, free of surfactants	defoamer, for CIP	peracetic acid (15 %), free of surfactants, for CIP	disinfecting cleaner, amines, foaming	alcohols, residue-free drying	disinfecting cleaner, active chlorine, foaming	disinfecting cleaner, active chlorine, free of surfactants, for CIP	neutral cleaner	universal and high-performance cleaner
Machines/devices					●	⊙					●	⊙						●	⊙	⊙			
Overall equipment						*	⊙											●	●	⊙		●	⊙
CIP cleaning respectively disinfection				●				*	⊙	●			⊙	⊙	⊙	⊙	●				*		
Smoke chambers/towers			●								⊙												
Boxes/containers	⊙	●		⊙				⊙		●						⊙	⊙				⊙		
Surfaces/devices/equipment																							
Foam cleaning					⊙	⊙					●	⊙						⊙		●			
Manual applications							⊙	⊙				●						⊙			⊙	●	⊙
Cleaning and disinfection of shoe soles							⊙											●					

Recommendation ●
Alternative ⊙
Basic cleaning *

The data of this table represents only a small selection of our offered range of products. The neomoscan team creates custom-tailored cleaning and disinfection concepts. Please contact us. Before using the product, please note the specific parameters for use and the advice on material compatibility.

¹ Use disinfectants safely. Always read the label and product information before use.

² defoaming at warm to hot temperatures

По вопросам продаж и поддержки обращайтесь:

Алматы (7273)495-231
Ангарск (3955)60-70-56
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
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Казань (843)206-01-48
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Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Ноябрьск (3496)41-32-12
Новосибирск (383)227-86-73
Киргизия +996(312)-96-26-47

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Пенза (8412)22-31-16
Петрозаводск (8142)55-98-37
Псков (8112)59-10-37
Пермь (342)205-81-47
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Рязань (4912)46-61-64
Самара (846)206-03-16
Саранск (8342)22-96-24
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Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Казахстан +7(7172)727-132

Сыктывкар (8212)25-95-17
Тамбов (4752)50-40-97
Тверь (4822)63-31-35
Тольятти (8482)63-91-07
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