

HYGIENE IN THE FOOD INDUSTRY

Disinfect to Protect Hygiene in the Food Industry

FOR USE IN

HACCP

CONCEPTS

**COMPLETE SOLUTIONS
FOR YOUR HACCP CONCEPT
FROM DR. SCHUMACHER**

A range of products for all your needs:
Cleaning. Disinfection. Care.

IMPRINT

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LISTINGS

DAAB

IHO

ÖGHMP

RKI A

RKI AB

RKI/DVV

VAH

DAAB – Product tested and recommended by the German Allergy and Asthma Association (www.daab.de). **IHO** – Industry Association for Hygiene and Surface Protection for Industrial and Institutional Use e.V. (www.desinfektionsmittelliste.de). **ÖGHMP** – Products listed in the disinfectant list of the Austrian Society for Hygiene, Microbiology and Preventive Medicine (www.oeghmp.at). **RKI A** – Products listed in the disinfectant list of the Robert Koch Institute according to § 18 IfSG, effective range A. **RKI AB** – Products listed in the disinfectant list of the Robert Koch Institute according to § 18 IfSG, effective range AB. **RKI/DVV** – Virucidal product according to the guidelines of the German Association for Combating Viral Diseases e.V. (DVV) and the Robert Koch Institute (RKI). **VAH** – Products listed in the disinfectant list of the Association for Applied Hygiene e.V. (www.vah-online.de).

SOURCES

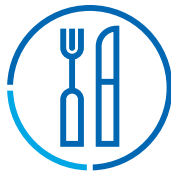
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Gemeinsamer nationaler Bericht des Bundesamtes für Verbraucherschutz und Lebensmittelsicherheit (BVL) und des Robert Koch-Instituts (RKI) zu Lebensmittelbedingten Krankheitsausbrüchen in Deutschland 2020.

Introduction

Hygienic and safe food processing



In canteens, home kitchens, restaurants and other catering establishments around the world, people prepare food every day. If your job involves cooking for other people or processing food, safe hygiene in the workplace is important – and in most places it is also required by law. Modern hygiene concepts specify what must be taken into account in hand and personnel hygiene and what is required when disinfecting surfaces.

Dr. Schumacher products help you identify potential dangers early on and to minimize risks in food processing. Our recommended disinfection and hygiene products meet the high requirements of Hazard Analysis and Critical Control Points (HACCP) concepts for food safety, guaranteeing hygienically safe handling of food – from restaurants to large kitchens to industrial food processing. At Dr. Schumacher, we protect your health and that of the consumer.

Hand and Skin

Thorough cleaning, effective disinfection

**ASEPTOMAN® MED**

Alcoholic
hand disinfectant

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**ASEPTOMAN® FORTE**

Alcoholic
hand disinfectant

Page **12**

**DESCOLIND PURE WASH**

Perfume-free
washing lotion

Page **13**

**DECONTAMAN PRE SOFT**

Antimicrobial
washing lotion

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**DESCOLIND PURE LIGHT CREAM**

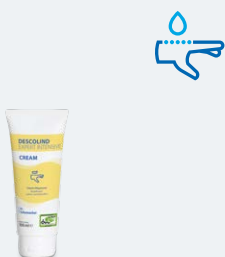
Perfume-free
hand cream

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**DESCOLIND PURE INTENSIVE CREAM**

Perfume-free
intensive hand cream

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**DESCOLIND EXPERT INTENSIVE CREAM**

Hypoallergenic
intensive hand cream

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**DESCOLIND EXPERT PROTECT CREAM**

Hypoallergenic
barrier cream

Page **15**

Surface

From liquid concentrates to ready-to-use disinfectant wipes

**DESCOCEPT SPEZIAL / WIPES**

Alcohol-free rapid disinfectant and
alcohol-free wipes for rapid disinfection

Page **18****CLEANISEPT® / WIPES MAXI**

Liquid concentrate for surface
disinfection and cleaning and
alcohol-free wipes for rapid disinfection

Page **19****DESCOCEPT SENSITIVE PRODUCT FAMILY**

Alcoholic
rapid disinfectant

Page **20****DESCOCEPT PUR**

Alcoholic
rapid disinfectant

Page **22****DESCOCEPT PUR WIPES RTU**

Alcoholic wipes
for rapid disinfection

Page **22****OPTISAL® PLUS**

Liquid concentrate for surface
disinfection and cleaning

Page **23****ULTRASOL® ACTIVE**

Powder concentrate for surface
disinfection and cleaning

Page **23****ULTRASOL OXY® PRODUCT FAMILY**

Sporicidal rapid disinfection for routine disinfection and outbreaks

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Basic Requirements

Basic hygiene measures for food oriented businesses and in the kitchen

P

Pre

R

Requisite

P

Programs

Basic hygiene practices regulate daily work in food oriented businesses. HACCP concepts are based on these basic hygiene measures – so-called Prerequisite Programs (PRP). When selecting the relevant PRPs, the local conditions and the size

of the company must be taken into account. With our HACCP-certified products, we provide you with the right solution for every scenario.



Basic Requirements

 Hygiene zones**Separation of dirty and clean rooms**

- physical separation with walls or separate rooms
- separated processes with cleaning and disinfection between the activities

 Doors**Avoid cross contamination**

- automatic doors
- smooth and water-repellent surfaces

 Walls, floors and ceiling**Material requirements**

- waterproof, water-repellent, washable and non-slip
- intact surfaces without gaps, grooves or holes

 Lighting**Activity appropriate lighting**

- sufficient brightness to detect product defects
- protection against splinters in the event of breakage

 Cross contamination**Attention to risk of cross-contamination**

- in the work area (e.g. dripping water or other condensation)
- in the equipment (e.g. food residues in cutting devices)
- in the kitchen (e.g. cutting boards, knives, dishes)

 Storage separation**Avoid mutual contamination**

- separation of raw items, food containers and packaging material
- compliance with storage requirements (e.g. for chemicals)

 Changing rooms**Separate street clothes, clean work clothes and used work clothes**

- well equipped and sanitary changing areas including a cleaning plan
- split storage lockers with special compartments for freshly cleaned work clothes

 Bathroom facilities**Avoid spreading germs to other areas**

- significant distance between toilets and hygiene areas without openings
- foot or arm pedals for flushing toilets
- instructions for proper hand washing and hand disinfection

 Hand washing stations**Compliance with hand hygiene**

- easily accessible hand washing facilities and disinfectant dispensers between toilets, changing rooms and food areas
- adequate supplies of washing lotion, hand disinfectant and disposable towels

Principles and Control

HACCP-Concept

Lern how to apply it effectively

H

Hazard

A

Analysis

C

Critical

C

Control

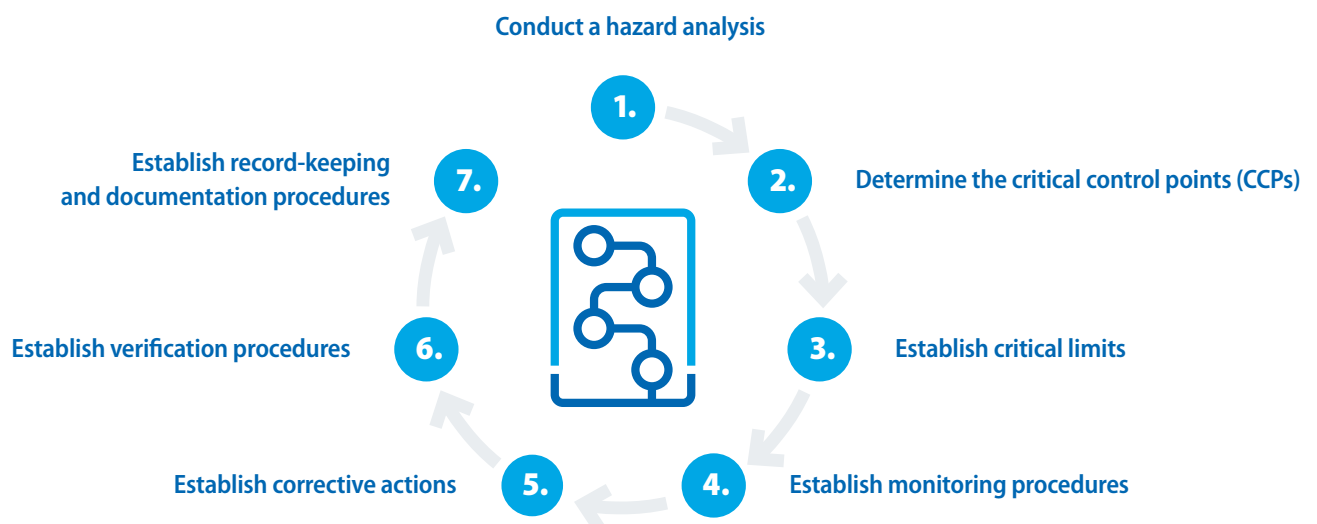
P

Point

HACCP concepts help businesses in the food industry systematically identify, assess and avoid risks when handling food. In just a few easy steps, the concept guides companies to set up control points, check their own actions and document procedures.

Companies in the food industry are obliged to take the principles of risk analysis into account. We at Dr. Schumacher support you in preventing food contamination and ensuring safe hygiene.

✓ 7 steps of the HACCP Concept



HACCP Conform Product Portfolio

You bring the Flavor,
we bring the Hygiene.



**CERTIFIED
EFFICACY**



**SHORT
CONTACT TIMES**



**EXCELLENT
SKIN COMPATIBILITY**



**COMPREHENSIVE
MATERIAL COMPATIBILITY**



**EASY
TO USE**



**ECO-FRIENDLY
MANUFACTURING**





Safely Avoid Contamination

Clean Hands, Done Right

Effective Hand Disinfection



In food processing, the majority of pathogens are spread through the hands. During the work day, germs can get onto hands

through contact with various objects and during food production. Effective hand disinfection is critical in each stage of the process.

✓ Before

- starting work
- preparing sensitive foods
- preparing cold foods (e.g. salads)
- distributing food and meals

✓ After

- going to the bathroom
- breaks (e.g. after eating)
- unclean activities (e.g. packing goods, garbage disposal)
- blowing your nose, sneezing and coughing
- preparing poultry, fresh meat, fish and raw eggs
- cleaning activities
- storage, transport and repair work

✓ Tips for success

Risk analysis

By carrying out a risk analysis of wet work, companies and businesses can effectively protect their employees. The right choice of skin care and skin protection can also support skin health and prevent irritation.

Hand disinfectants

Choose skin-friendly hand disinfectants – because disinfecting is gentler on your skin than washing.

Skin protection

Look for confirmed protective effects according to current test methods. Our products marked with the German Allergy and Asthma Association (DAAB) logo are especially formulated for allergy sufferers.

Skin care

Skin care products promote compliance when they are dye- and perfume-free and absorb quickly into the skin.

PRESERVE**PROTECT**

ASEPTOMAN® MED

Alcoholic hand disinfectant

- Limited virucidal within 30 seconds
- Particularly suitable for frequent use thanks to its low alcohol content
- Effective against Noro-, Rota- and Adenoviruses within the hygienic hand disinfection
- Broad spectrum of efficacy for routine and outbreak use
- Free from perfume, dyes and QACs

ASEPTOMAN MED is well-suited for daily routine thanks to its low alcohol content and broad spectrum of efficacy. ASEPTOMAN MED is effective against noroviruses and adenoviruses in hygienic hand disinfection and fulfills the requirements for use in the case of norovirus, rota virus and adenovirus outbreaks. It is perfume-free and free of cumulative long-term active ingredients that can accumulate on the skin and cause irritation. In addition, ASEPTOMAN MED contains high-quality moisturizing and nourishing ingredients that prevent the skin from drying out.

Spectrum of efficacy and contact time			
	PREVENT	PRESERVE	PROTECT
Application recommendation for hygienic hand disinfection	30 s	30 s	
Composition – 100 g solution contain			
65 g Ethanol			
Single Unit	Unit	Content	REF
pocket-size-bottle	20	150 ml	00-457OP-0015E
dispenser bottle	20	500 ml	00-457OP-005E
dispenser bottle	12	1 L	00-457OP-010E

VAH – VAH-listed for hygienic hand disinfection in 30-seconds.

Prevent – Bactericidal, yeasticidal, all enveloped viruses. **Preserve** – Bactericidal, yeasticidal, all enveloped viruses, Noro-, Rota- and Adenoviruses, tuberculocidal. **Protect** – Bactericidal, yeasticidal, fully virucidal, mycobactericidal, sporicidal.

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



ASEPTOMAN® FORTE

Alcoholic hand disinfectant

- Virucidal in 30 seconds
- Surgical hand disinfection in 1.5 minutes
- Patented combination of alcohol and agents for optimal skin care and protection
- Perfume-free, dye-free, QAC-free

ASEPTOMAN FORTE is a virucidal, ethanol-based hand disinfectant. ASEPTOMAN FORTE achieves a comprehensive spectrum of efficacy with excellent skin compatibility. Virucidal (according to EN 14476) within 30 seconds, has been proven to increase skin hydration and softens and smoothes the skin thanks to a proven skin care system.

Spectrum of efficacy and contact time			
	PREVENT	PRESERVE	PROTECT
Application recommendation for hygienic hand disinfection	30 s	30 s	30 s
Application recommendation for surgical hand disinfection	1,5 min	1,5 min	1,5 min
Composition – 100 g solution contain			
85 g Ethanol			
Single Unit	Unit	Content	REF
pocket-size-bottle	20	150 ml	00-485OP-0015E
dispenser bottle	20	500 ml	00-485OP-005E
dispenser bottle	12	1 L	00-485OP-010E

Sensitive skin



DESCOLIND PURE WASH

Perfume-free cleansing lotion

- For daily hygienic hand washing in all areas
- With allantoin, rehydrating agents and glycerin to prevent the skin from drying out
- Mild, pH-neutral cleanser with a pleasant skin feeling
- Perfume- and dye-free – suitable for use in the food sector (HACCP conform)

DESCOLIND PURE WASH is a pH skin neutral washing lotion for the regular cleansing of sensitive hands and skin. The rehydrating agents and glycerin prevent drying of the skin from frequent hand washing. The creamy, delicate DESCOLIND PURE WASH cleans thoroughly and is economical to use. In addition, DESCOLIND PURE WASH is free of perfumes as well as dyes and is therefore suitable for use on sensitive skin.

Single Unit	Unit	Content	REF
dispenser bottle	20	500 ml	00-631OP-005-01
dispenser bottle	12	1 L	00-631OP-010-01
canister	3	5 L	00-631OP-050-01

**PREVENT**

DECONTAMAN PRE SOFT

Antimicrobial washing lotion

- For antimicrobial hand washing and decontamination
- Achieves all relevant efficacies after 60 s
- Bactericidal, yeasticidal, active against enveloped viruses

DECONTAMAN PRE SOFT is an antimicrobial cleansing lotion to simultaneously clean and decontaminate skin, hair and hands, even in areas with a high load of fat or protein, such as in the food sector e.g. after meal preparation. Suitable for antimicrobial whole-body washing in cases of MRSA contamination or contamination with other multi-resistant Gram-negative bacteria (MRGN) such as *Acinetobacter baumannii* or vancomycin-resistant enterococci (VRE), especially prior to surgery or during longer periods of bed confinement. Thanks to its skin-friendly pH and nourishing ingredients, DECONTAMAN PRE SOFT offers excellent skin compatibility, making it ideal for frequent use and hygienic handwashing in compliance with the VAH guidelines and EN 1499. The formula is free from phenols, alcohol, perfumes, and dyes.

Spectrum of efficacy and contact times

Application recommendation for hygienic handwash ¹	EN 1499 / VAH	dirty conditions	1 min
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Composition – 100 g solution contain

2 g chlorhexidine digluconate
1,5 g 2-phenoxyethanol

Single Unit	Unit	Content	REF
dispenser bottle	20	500 ml	00-532-005E
dispenser bottle	12	1 L	00-532-010E
canister	3	5L	00-532-050E

¹ including phase 2 step 1 and phase 2 step 2 tests (quantitative suspension tests and quantitative carrier tests)

Prevent – Bactericidal, yeasticidal, all enveloped viruses. **Preserve** – Bactericidal, yeasticidal, all enveloped viruses, Noro-, Rota- and Adenoviruses, tuberculocidal. **Protect** – Bactericidal, yeasticidal, fully virucidal, mycobactericidal, sporicidal.

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

Sensitive skin



DESCOLIND PURE LIGHT CREAM

Perfume-free care cream

- PH-neutral oil-in-water emulsion for normal and sensitive skin
- Absorbs particularly quickly into the skin without being greasy and reduces interruptions to work processes to a minimum
- Light care cream, also for on the go
- With moisturizer and allantoin for a pleasant skin feeling
- Perfume- and dye-free and applicable in the food sector (HACCP)

DESCOLIND PURE LIGHT CREAM is a perfume- and dye-free oil-in-water (O/W) emulsion for sensitive skin. DESCOLIND PURE LIGHT CREAM cares for hands following activities that stress skin, such as regular hand washing, long periods of wearing gloves, and tasks involving prolonged contact with moisture. As an O/W emulsion DESCOLIND PURE LIGHT CREAM leaves the skin noticeably cared for without any greasy residues. It absorbs quickly-preventing interference with routine work, making it ideal for users. The light and nourishing formulation with rehydrating agents and moisturizing ingredients as well as allantoin ensures that skin feels soft and smooth. This easy-to-apply hand lotion is also suitable for full body care.

Single Unit	Unit	Content	REF
tube	12	100 ml	00-602DS-001
dispenser bottle	20	500 ml	00-602DS-005

Sensitive skin
Dry skin

DESCOLIND PURE INTENSIVE CREAM

Perfume-free intensive care cream

- Intensive water-in-oil skin care with panthenol, sunflower and almond oil
- Absorbs quickly into the skin
- Contains glycerin as a humectant
- Extra care, especially after skin-stressing activities
- Perfume- and dye-free and therefore applicable in the food sector (HACCP)

DESCOLIND PURE INTENSIVE CREAM is a water-in-oil (W/O) intensive moisturizing cream that richly nourishes sensitive and dry skin with rehydrating agents as well as sunflower and almond oil. Despite its rich formulation, DESCOLIND PURE INTENSIVE CREAM absorbs quickly into the skin and is therefore ideal for hand care after activities that stress the skin, such as frequent hand washing, wearing gloves for long periods, and tasks involving prolonged contact with moisture.

Single Unit	Unit	Content	REF
tube	12	100 ml	00-622IS-001
dispenser bottle	20	500 ml	00-622IS-005

Allergy-prone skin



DESCOLIND EXPERT INTENSIVE CREAM

Hypoallergenic¹ intensively nourishing cream

- Water-in-oil emulsion for allergy-prone skin
- Absorbs quickly into the skin, leaving a smooth protective film that protects the skin from water-soluble substances
- Intensive care cream, good for on the go
- Contains vitamin E, glycerin and beeswax for a pleasant skin feel
- Perfume- and dye-free

DESCOLIND EXPERT INTENSIVE CREAM was developed to protect allergy-prone skin during everyday work and for intensive skincare. The water-in-oil (W/O) emulsion is easy to apply and absorbs quickly, leaving a soft, non-greasy protective film behind. DESCOLIND EXPERT INTENSIVE CREAM is suitable for daily use prior and after activities that stress the skin, such as frequent hand washing, wearing gloves for long periods, and tasks involving prolonged contact with moisture. In addition to its protective function, DESCOLIND EXPERT INTENSIVE CREAM nourishes the skin with conditioning and moisturizing ingredients as well as vitamin E. DESCOLIND EXPERT INTENSIVE CREAM contains 15 % lipids.

Single Unit	Unit	Content	REF
tube	12	100 ml	00-622OP-001-02

¹ Allergy risks minimized. Allergy risks can never be completely ruled out.

Allergy-prone skin



DESCOLIND EXPERT PROTECT CREAM

2 in 1 skin protection and care cream

- Perfume and dye-free oil-in-water skincare and protection cream for allergy-prone skin
- Unique dual action formulation protects the skin against water-soluble substances while nourishing and moisturizing at the same time
- Protective effect confirmed by test methods (in accordance with TRGS 401/ABD)

DESCOLIND EXPERT PROTECT CREAM with 2 in 1 effect was specially developed to protect and care for sensitive and allergy-prone hands while you work. The oil-in-water (O/W) formulation is extremely easy to apply, absorbs quickly into the skin and minimizes work interruptions. DESCOLIND EXPERT PROTECT CREAM contains nourishing lipids and conditioning ingredients like witch hazel, which leave your skin feeling smooth and supple. It is suitable for daily use before activities that are hard on the hands and provides protection in wet environments, preventing cracked and chapped skin. The protective effect of DESCOLIND EXPERT PROTECT CREAM against water-soluble substances (surfactants and alkalines) has been verified using recognized testing methods. DESCOLIND EXPERT PROTECT CREAM is also perfume-free, meeting requirements for use in the food industry (HACCP). It is also suitable for use in wall dispensers.

Single Unit	Unit	Content	REF
tube	12	100 ml	00-623-001-01
dispenser bottle	20	500 ml	00-623-005-01



Optimal Disinfection

Surface disinfection made easy



In areas, such as the food industry, that have a high risk of contamination, a cleaning disinfectant is preferred. Disinfectants that inactivate microorganisms and simultaneously remove dirt from

the surface in one step should be used. At Dr. Schumacher, we offer a large selection of products for surface disinfection: from rapid disinfectants to ready-to-use disposable wipes.

✓ Dry wipe systems

For large surfaces

Wipe dispenser systems combine containers with dry wipe rolls that can be individually soaked with surface disinfectant. As an alternative, ready to use pre-saturated wipes can be inserted directly into the dispenser.

- reliable application with accurate dosing
- prevents cross-contamination
- individually refillable

✓ Rapid Disinfection

Ready to use

Liquid rapid disinfectants come ready to use and can be equipped with a spray head if required. For optimal application, spray the product close to the surface and wipe evenly with a cloth.

- fast-acting efficacy
- for small and large surfaces

✓ Concentrates for Surface Disinfection

Flexible dosing – tailored to demand

Disinfectant concentrates can be either liquid or in powder form. Before use, they are diluted as needed in accordance with the application recommendations.

- flexible and economical application
- precise and dependable dosing
- perfect for treating large surfaces

✓ Rapid disinfection wipes

For small to large surfaces

Convenient and effective: ready-to-use wipes Pre-saturated disinfectant wipes

- reliable application with accurate dosing
- prevents cross-contamination
- ready to use

✓ For sensitive surfaces

Our recommendation: DESCOSEPT SENSITIVE WIPES

For sensitive surfaces like acrylic or Makrolon, and for delicate equipment such as keyboards and displays, we recommend disinfecting with ready-to-use wipes.

Their low-alcohol formulas, paired with premium soft nonwoven fabric, offer outstanding material compatibility.

PREVENT



VAH

IHO

ÖGHMP

Foam application
to prevent aerosols

DESCOCEPT SPEZIAL

Alcohol-free rapid disinfectant

- Particularly suitable for alcohol-sensitive surfaces
- Short contact times allow for rapid re-use of surfaces
- Cleaning and disinfection in one step
- Ideal for surfaces made of acrylic glass

DESCOCEPT SPEZIAL is an alcohol-free, ready-to-use solution for disinfection and cleaning of all kinds of surfaces. Suitable for alcohol-sensitive surfaces and acrylic glass. Based on quaternary ammonium compounds, DESCOCEPT SPEZIAL is alcohol, aldehyde, phenol and perfume-free.

PREVENT



VAH

IHO

ÖGHMP

DESOTEX
Wipes

DESCOCEPT SPEZIAL WIPES

Alcohol-free wipes for rapid disinfection

- Ready to use wipes in a resealable dispenser bucket
- Alcohol-free formulation
- Large wipes for disinfecting surfaces in routine areas

DESCOCEPT SPEZIAL WIPES are alcohol-free, ready-to-use wipes for rapid disinfection and cleaning of all kind of surfaces in routine areas. The large format (30 x 32 cm), alcohol-free wipes enable time-saving and efficient application on various surfaces. The individual wipes are easily extracted from the resealable dispenser bucket. DESCOCEPT SPEZIAL WIPES are effective against bacteria, yeasts (including *Candida auris*) and enveloped viruses. Each refill pack comes with an ULTRASOL OXY SACHET to ensure proper manual reprocessing before refilling the dispenser.

Spectrum of efficacy and contact time

	PREVENT	PRESERVE	PROTECT
Application recommendation for surface disinfection with and without mechanical action	1 min ¹ 5 min ²		

Composition – 100 g solution contain

0,5 g Alkyl (C12-16) dimethylbenzyl ammonium chloride
0,25 g Didecyldimethyl ammonium chloride

Single Unit	Unit	Content	REF
spray bottle	6	750 ml	00-208-0075E
bottle	10	1 L	00-208-010E
canister	3	5 L	00-208-050E

¹ Wiping disinfection. ² Spray disinfection.

Prevent – Bactericidal, yeasticidal, all enveloped viruses. *Preserve* – Bactericidal, yeasticidal, all enveloped viruses, Noro-, Rota- and Adenoviruses, tuberculocidal. *Protect* – Bactericidal, yeasticidal, fully virucidal, mycobactericidal, sporicidal.

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

Spectrum of efficacy and contact time

	PREVENT	PRESERVE	PROTECT
Application recommendation for surface disinfection	1 min		

Composition – 100 g solution contain

0,5 g alkyl (C12-16) dimethylbenzylammonium chloride
0,25 g didecyldimethylammonium chloride

Single Unit	Unit	Content	Size	REF
dispenser and roll	1	100 wipes	30 x 32 cm	00-208-ERS100-01E
refill pack	2	100 wipes	30 x 32 cm	00-208-RS100-01E

PREVENT

VAH

IHO

ÖGHMP

CLEANISEPT®

Liquid concentrate for surface disinfection and cleaning

- **Effective disinfection & cleaning in one step**
- **Good material compatibility especially on alcohol-sensitive surfaces**
- **Color and perfume-free**

CLEANISEPT is a combination preparation for disinfecting and cleaning large surfaces. CLEANISEPT is based on quaternary ammonium compounds. It is perfume-free, contains neither aldehydes nor phenols and is characterized by good cleaning strength. CLEANISEPT is designed for the disinfection of non-porous surfaces. In addition to meeting high hygienic standards, it is particularly suitable for areas in which odor nuisance must be avoided. CLEANISEPT has good material compatibility and may also be used on acrylic glass.

Spectrum of efficacy and contact time

Application recommendation for surface disinfection

PREVENT PRESERVE PROTECT
2,5 % – 15 min
1 % – 60 min

Composition – 100 g solution contain

6,66 g alkyl (C12-16) dimethylbenzylammonium chloride
3,33 g didecylidimethylammonium chloride

Single Unit	Unit	Content	REF
dosage bottle	10	1 L	00-204-010E
bottle	6	2 L	00-204-020-01E
canister	3	5 L	00-204-050E

**PREVENT**

VAH

IHO

ÖGHMP

CLEANISEPT® WIPES MAXI

Alcohol-free wipes for rapid disinfection

- **Easily removable wipes in a resealable flowpack**
- **Alcohol-free formulation**
- **For use in routine disinfection**

CLEANISEPT WIPES MAXI'S larger wipes are suitable for disinfecting and cleaning medium-sized surfaces in routine areas. The individual wipes are easily extracted from the re-sealable and user-friendly flowpack. CLEANISEPT WIPES MAXI are effective against bacteria, yeasts (including *Candida auris*) and enveloped viruses.

Spectrum of efficacy and contact time

Application recommendation for surface disinfection

PREVENT PRESERVE PROTECT
1 min

Composition – 100 g solution contain

0,5 g alkyl (C12-16) dimethylbenzylammonium chloride
0,25 g didecylidimethylammonium chloride

Single Unit	Unit	Content	Size	REF
flowpack	6	100 wipes	20 x 22 cm	00-208-T100E



DESCOSEPT SENSITIVE PRODUCT FAMILY

Alcohol-based rapid disinfection and alcohol-based wipes for rapid disinfection

- Efficient disinfection and cleaning performance
- Wide range of applications for daily work
- Good material and skin compatibility due to a low ethanol content

The DESCOSEPT SENSITIVE product family offers maximum flexibility for users with a variety of application methods and sizes.

DESCOSEPT SENSITIVE is a ready to use, alcohol-based rapid disinfectant based on ethanol, designed for material-friendly disinfection and cleaning of all types of surfaces. In addition to providing effective disinfection in a short time (see table), the product is also highly compatible with various materials.

DESCOSEPT SENSITIVE WIPES feature a patented folding technology with an optimal ratio of non-woven fleece to disinfection solution. This ensures a quick and effective disinfection, while also being gentle on sensitive surfaces and materials.

DESCOSEPT SENSITIVE WIPES XL, with their larger format, are well-suited for disinfecting large surface areas.

DESCOSEPT SENSITIVE WIPES in the 100-wipe flowpack are the sustainable solution made from 100% biodegradable Desotex Bio fleece. The non-woven fabric, made from renewable raw materials, provides better absorption and a more efficient cleaning performance.¹

Spectrum of efficacy and contact time of DESCOSEPT SENSITIVE

	PREVENT	PRESERVE	PROTECT
Application recommendation for surface disinfection with and without mechanical action	2 min ² 5 min ³	3 min ² 5 min ³	
Application recommendation for tuberculocidal surface disinfection with and without mechanical action		1 min	

Spectrum of efficacy and contact time of DESCOSEPT SENSITIVE WIPES/ WIPES XL

	PREVENT	PRESERVE	PROTECT
Application recommendation for surface disinfection	2 min	3 min	
Application recommendation for tuberculocidal surface disinfection		3 min	

Composition – 100 g solution contain

45 g Ethanol

Single Unit	Unit	Content	Size	REF
spray bottle	6	750 ml		00-323DS-0075-02E
bottle	10	1 L		00-323DS-010E
canister	3	5 L		00-323DS-050E
flowpack	9	60 wipes	20 x 22 cm	00-323DS-To60E
flowpack (DESOTEX Bio)	6	100 wipes	20 x 20 cm	00-323DS-T100E
wipes dispenser	4	120 wipes	17,5 x 36 cm	00-323DS-OSEB120E

¹ The biodegradability of our wipe material has been certified in accordance with EN 13432. ² Wipe disinfection. ³ Spray disinfection.

Prevent – Bactericidal, yeasticidal, all enveloped viruses. **Preserve** – Bactericidal, yeasticidal, all enveloped viruses, Noro-, Rota- and Adenoviruses, tuberculocidal. **Protect** – Bactericidal, yeasticidal, fully virucidal, mycobactericidal, sporicidal.

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



Gentle on materials

DESCOCEPT SENSITIVE offers both liquid rapid disinfectants and ready-to-use wipes – ideal for the gentle cleaning and disinfection of sensitive surfaces. With a low alcohol content, they are safe for use on delicate digital devices and, thanks to HACCP certification, perfectly suited for applications in the food industry.

Comprehensive efficacy

DESCOCEPT SENSITIVE WIPES Bio with DESOTEX Bio fleece offers comprehensive efficacy with short contact times. The comparatively low amount of ethanol is gentle on skin and materials. The structure of the organic Bio fleece is more durable and tear-resistant and allows for a large range of coverage on surfaces. This makes it ideal for cleaning and disinfecting medium-sized areas. **DESCOCEPT SENSITIVE WIPES Bio** excel in maintaining their effectiveness, as the impregnating liquid remains evenly distributed, ensuring consistent performance even long after production.

A sustainable solution with DESOTEX Bio

Our innovative DESOTEX Bio wipe is made from a single component – a 100 % renewable wood pulp. It is completely biodegradable and plastic-free, as confirmed by independent laboratory tests.

The impregnating liquid that gives our **DESCOCEPT SENSITIVE WIPES Bio** their effectiveness is also biodegradable. Additionally, our nonwoven raw materials are PEFC-certified, reflecting our long-standing commitment to supporting sustainable forestry.

Moreover, our **DESCOCEPT SENSITIVE WIPES Bio** with organic non-woven fleece carry the DESOTEX Bio seal. The raw materials are primarily sourced from Germany to shorten supply chains and reduce CO₂ emissions. Additionally, the production is powered by electricity from renewable energy sources.

Patented innovation

Our patented folding technology makes the removal of individual wipes quick and easy and helps make the usability of **DESCOCEPT SENSITIVE WIPES** even more efficient. This product is available with both traditional PET non-woven and with our new and improved DESOTEX Bio fleece.



Disinfecting wipes made from PET or bio fleece.



The non-woven fleece of our Bio-Wipes is 100 % biodegradable.



Made from renewable raw materials.



Good material compatibility due to a low-alcohol formulation.



Versatile applications.



Limited virucidal PLUS in 3 minutes.



Applicable within the guidelines of an HACCP concept.

Learn more about
**DESCOCEPT
SENSITIVE WIPES**
www.bio-wipes.de



Residue-free

PRESERVE



VAH

IHO

ÖGHMP

DESCOSEPT PUR

Alcoholic rapid disinfectant

- Ready-to-use
- Residue-free
- Perfume-free

DESCOSEPT PUR is a ready-to-use, aldehyde-free rapid disinfectant based on ethanol for a quick and effective disinfection of all kinds of surfaces. The product is suitable for difficult to reach surfaces. DESCOSEPT PUR is perfume and residue-free and therefore well suited for disinfection in the food industry and commercial kitchens.

Spectrum of efficacy and contact time

	PREVENT	PRESERVE	PROTECT
Application recommendation for surface disinfection with and without mechanical action	5 min	5 min	
Application recommendation for tuberculocidal surface disinfection		30 sek	

Composition – 100 g solution contain

45 g Ethanol

Single Unit	Unit	Content	REF
bottle	10	1L	00-323-010E
canister	3	5L	00-323-050E

Minimal residues

PRESERVE



VAH

IHO

ÖGHMP

DESCOSEPT PUR WIPES RTU

Alcoholic wipes for rapid disinfection

- Ready to use – time-saving application with easily removable wipes in a resealable dispenser system
- Large wipes for disinfecting surfaces in food preparation areas
- Residue-free formulation

DESCOSEPT PUR WIPES RTU are alcoholic, ready-to-use wipes for disinfection and cleaning of food preparation areas and surfaces of all kinds. The large-format alcohol wipes enable a time-saving and efficient application on larger work surfaces. The wipes can be easily extracted from the dispenser system with a re-sealable lid. DESCOSEPT PUR WIPES RTU are effective against bacteria, yeasts, all enveloped viruses as well as noro-, rota-, and adenovirus and are mycobactericidal and tuberculocidal. Each refill pack comes with an ULTRASOL OXY SACHET to ensure proper, manual reprocessing before refilling the dispenser.

Spectrum of efficacy and contact time

	PREVENT	PRESERVE	PROTECT
Application recommendation for surface disinfection	5 min	5 min	
Application recommendation for tuberculocidal surface disinfection		5 min	

Composition – 100 g solution contain

45 g Ethanol

Single Unit	Unit	Content	Size	REF
pack	2	120 wipes	17,5 x 36 cm	00-323-RS120E

PRESERVE**PROTECT**

VAH

IHO

ÖGHMP

OPTISAL® PLUS

Liquid concentrate for surface disinfection and cleaning

- Improved water hardness stability
- High efficiency due to broad spectrum of efficacy
- Suitable for alcohol-sensitive surfaces

OPTISAL PLUS is a liquid concentrate designed for disinfecting and cleaning large surfaces. OPTISAL PLUS is characterised by an excellent cleaning performance and a range of efficacy specially designed for routine applications. In addition to its effectiveness against enveloped viruses (HBV, HIV, HCV), OPTISAL PLUS is highly effective against adenovirus, norovirus and rotavirus. OPTISAL PLUS also demonstrates strong bactericidal, levurocidal, and tuberculocidal efficacy while being entirely odorless and perfume-free.

Spectrum of efficacy and contact time

	PREVENT	PRESERVE	PROTECT
Application recommendation for surface disinfection	2,5 % – 5 min 0,5 % – 60 min	2 % – 30 min 1 % – 60 min	

Application recommendation for tuberculocidal surface disinfection 1,5 % – 60 min

Composition – 100 g solution contain

7,2 g N-(3-aminopropyl)-N-dodecylpropane-1,3-diamine

6,6 g alkyl(C12-16)dimethylbenzylammonium chloride

2,3 g didecyldimethylammonium chloride

Single Unit	Unit	Content	REF
sachet	200	20 ml	00-245-0002-01E
dosage bottle	10	1 L	00-245-010-01E
canister	3	5 L	00-245-050-01E



RKI AB

RKI/DVV

VAH

IHO

ÖGHMP

ULTRASOL® ACTIVE

Powder concentrate for surface disinfection and cleaning

- Reliable disinfection even in the event of an outbreak
- Broad spectrum for high efficacy requirements
- High compatibility with nearly all materials and other disinfectants due to oxidative base
- Suitable for final disinfection

ULTRASOL ACTIVE is a powder concentrate that offers a broad spectrum of efficacy for disinfecting and cleaning all types of surfaces. The conveniently dust-free powder ensures precise and reliable dosing. ULTRASOL ACTIVE is RKI AB-listed and is suitable for surface wipe disinfection in routine use with high efficacy demands, as well as for disinfection during outbreaks. The product's active ingredient, peracetic acid, is generated in a mildly alkaline application solution, delivering broad-spectrum efficacy, as well as good material compatibility and cleaning performance. Even in the presence of high organic loads, ULTRASOL ACTIVE maintains its effectiveness, effortlessly and safely removing dried blood residues. Perfume-free and low-odor, it is suitable for all environments requiring maximum efficacy, exceptional user safety, and reliable cleaning performance.

Spectrum of efficacy and contact time

	PREVENT	PRESERVE	PROTECT
Application recommendation for surface disinfection	1 % – 5 min 0,5 % – 15 min	1 % – 5 Min 0,5 % – 15 Min	2 % – 15 min 1 % – 60 min

Application recommendation for tuberculocidal surface disinfection 2 % – 15 min, 1 % – 60 min

Application recommendation for sporidicidal surface disinfection 2 % – 15 min, 1 % – 30 min

Composition – 100 g solution contain

Active substance: > 750 ppm peracetic acid generated from tetraacetythylenediamine (250 g/kg) and sodium percarbonate (450 g/kg). The active substance is released when the product is dissolved in water (in-situ, 10 g/l for a 1 % solution)

Single Unit	Unit	Content	REF
sachet	100	40 g	00-255-0004
bucket (incl. measuring spoon)	6	1 kg	00-255-010



VAH

ÖGHMP

ULTRASOL OXY® PRODUCT RANGE

Sporicidal rapid disinfection for routine disinfection and outbreaks

- **Broad spectrum of efficacy including virucidal and sporicidal action** (see table)
- **High material compatibility due to oxidative base**
- **Free from toxic and environmentally harmful residues**
- **Cleans and disinfects in a single step**

ULTRASOL OXY is a ready to use rapid disinfectant with a broad spectrum of efficacy (see table) against bacteria and viruses, including spores.

This oxidative-based rapid disinfectant is designed for cleaning and disinfecting surfaces in areas with high efficacy requirements. Due to its oxidative formulation, ULTRASOL OXY offers high material compatibility and can be used on nearly all surfaces. It leaves no toxic or environmentally harmful residues behind.

ULTRASOL OXY WIPES are oxidative-based disinfectant wipes developed for cleaning and disinfecting surfaces in areas with increased hygiene demands. The wipes offer a broad spectrum of efficacy (see table) against bacteria and viruses, including spores.

Like the liquid version, ULTRASOL OXY WIPES are highly compatible with various materials and leave no toxic or environmentally damaging residues on surfaces.

Our ULTRASOL OXY WIPES XL are especially suitable for disinfecting large surfaces due to their larger format. These pre-saturated wipes allow a convenient and time-saving application—even under challenging conditions.



Spectrum of efficacy and contact time of ULTRASOL OXY®

	PREVENT	PRESERVE	PROTECT
Application recommendation for surface disinfection	1 min	1 min	5 min
Application recommendation for tuberculocidal surface disinfection			5 min
Application recommendation against C. diff.			5 min
Application recommendation for sporicidal surface disinfection			15 min

Spectrum of efficacy and contact times of ULTRASOL OXY® WIPES / WIPES XL

	PREVENT	PRESERVE	PROTECT
Application recommendation for surface disinfection	5 min	5 min	5 min
Application recommendation for tuberculocidal surface disinfection			5 min
Application Recommendation against C. Diff.			5 min
Application recommendation for sporicidal surface disinfection			15 min

Composition – 100 g solution contain

7 g Hydrogen Peroxide
0,1 g Peracetic Acid

Single Unit	Unit	Content	Size	REF
bottle	6	2 L		00-270-020
flowpack	6	108 wipes	20 x 20 cm	00-270-T108E
dispenser system	4	120 Wipes	17,5 x 36 cm	00-270-OSEB120E

Oxidative formula
gentle on
**materials and the
environment**

**Broad spectrum
of efficacy²**
for areas requiring
high-level
disinfection

Time-saving
application thanks to
**short
contact times¹**



ULTRASOL OXY®

sporicidal

virucidal

fungicidal

bactericidal

yeastcidal

tuberculocidal

mycobactericidal

coronavirus

norovirus

adenovirus

With the ULTRASOL OXY product family, Dr. Schumacher offers a new product range based on peracetic acid and hydrogen peroxide. In addition to sporicidal and virucidal properties, the products offer a broad spectrum of efficacy², which covers both routine disinfection and disinfection in the event of an outbreak. Due to the oxidative basis, ULTRASOL OXY products have a high level of material compatibility, which in combination with the short exposure times¹, makes them extremely user-friendly and efficient. With this sustainable solution, Dr. Schumacher also complies with strict hygiene and environmental standards.

Disinfection for routine and outbreaks

Due to their broad spectrum of efficacy², ULTRASOL OXY products are suitable for the disinfection of surfaces of all kinds. ULTRASOL OXY can be used flexibly and economically, both in routine disinfection and in the event of an outbreak. The products are therefore suitable for areas with general and specific risks of infection – eliminating the need to use and store additional products.

Easy application

ULTRASOL OXY is suitable for areas where high efficacy, high user-safety and good cleaning performance are required. The short exposure times¹ mean that the surfaces can

be reused quickly. The products are especially recommended for environments where, in addition to comfortable and time-saving application, high hygiene requirements must also be met.

Biocompatible ingredients³

ULTRASOL OXY consists of 99% biodegradable active ingredients³. The active ingredients peracetic acid and hydrogen peroxide break down into ecologically harmless oxygen, water and acetic acid (vinegar). In addition, the products are phenol and aldehyde free and have no carcinogenic properties. ULTRASOL OXY also has a high level of material and product compatibility due to its oxidative basis.

High-level infection prevention

Surfaces are generally very high contact zones and require careful cleaning and disinfection. The active ingredients, peracetic acid and hydrogen peroxide, used in the ULTRASOL OXY products disinfect food preparation tools and surfaces of all kinds quickly and reliably, reducing the risk of infection to users and patrons.

¹ Surface disinfection, tuberculocidal surface disinfection, disinfection against *Clostridium difficile* within 5 minutes, sporicidal surface disinfection within 15 minutes.

² Bactericidal, yeastcidal, fungicidal, tuberculocidal, mycobactericidal, virucidal and sporicidal

³ According to expert opinions

Multifaceted Risks

Successfully fight invisible pathogens

PATHOGENIC MICROORGANISMS AND RECOMMENDED SPECTRUM OF EFFICACY

Pathogen	Campylobacter
Frequency	51 %
Symptoms	Diarrhea, abdominal pain and cramps, fever, fatigue
Sources of infection	Chicken meat, raw milk, undercooked meat, contaminated drinking water
Prevention	Cook meat thoroughly, strict adherence to kitchen and hand hygiene
Spectrum of efficacy	Virucidal against enveloped viruses

Pathogen	Salmonella
Frequency	25 %
Symptoms	Intestinal inflammation with sudden onset of diarrhea, headache and abdominal pain, malaise and sometimes vomiting, slight fever
Sources of infection	Raw eggs, incl. egg foams, mayonnaise, raw meat, minced meat, defrosting liquid from game, poultry
Prevention	Proper storage of hot (> 70 °C) and cold (> 10 °C) foods, strict adherence to kitchen and hand hygiene
Spectrum of efficacy	Virucidal against enveloped viruses

Pathogen	Norovirus
Frequency	5 %
Symptoms	Violent vomiting, severe diarrhea, slight fever
Sources of infection	Salads, berries and raw vegetables
Prevention	Strict adherence to kitchen and hand hygiene, cooking of food
Spectrum of efficacy	Limited virucidal PLUS

Pathogen	Bacillus cereus
Frequency	3 %
Symptoms	Diarrhea: watery diarrhea, abdominal cramps, nausea without vomiting. Vomiting: nausea and vomiting, occasional abdominal cramps
Sources of infection	Rice (rice pudding), dairy products, salads, poor hygiene when handling food and kitchen utensils
Prevention	Strict adherence to kitchen and hand hygiene, eat heated food immediately or keep it hot at temperatures above 65 °C, refrigerate at below 7 °C
Spectrum of efficacy	Sporicidal - if necessary, observe sporicidal efficacy gap of hand disinfectants: 1. hand disinfection limited virucidal, 2. wash hands

Pathogen	Yersinia enterocolitica
Frequency	3 %
Symptoms	Diarrhea, abdominal pain and fever
Sources of infection	Pork, raw milk, contaminated plant foods
Prevention	Cook meat thoroughly, especially pork, strict adherence to kitchen and hand hygiene
Spectrum of efficacy	Virucidal against enveloped viruses

PATHOGENIC MICROORGANISMS AND RECOMMENDED SPECTRUM OF EFFICACY

Pathogen	Hepatitis E Virus
Frequency	2 %
Symptoms	Yellowing of the skin, fever, upper abdominal pain, fatigue
Sources of infection	Pork and game meat, mussels
Prevention	Cook through, strict adherence to kitchen and hand hygiene
Spectrum of efficacy	Virucidal

Pathogen	Listeria monocytogenes
Frequency	2 %
Symptoms	Fever, fatigue and body aches
Sources of infection	Raw animal foods, packaged sausages/salads, raw milk, raw cheese, smoked fish
Prevention	Rapid consumption – vacuum packaging and storage in the refrigerator do not prevent the pathogens from multiplying
Spectrum of efficacy	Virucidal against enveloped viruses

Pathogen	Verotoxin-producing Escherichia coli (VTEC)
Frequency	3 %
Symptoms	Watery diarrhea, nausea, vomiting, abdominal pain. 10–20 % become intestinal inflammation
Sources of infection	Raw foods of animal origin and other perishable foods (dairy products, delicatessen salads)
Prevention	Thorough cooking of meat, especially pork, strict adherence to kitchen and hand hygiene
Spectrum of efficacy	Virucidal against enveloped viruses

Pathogen	Clostridium perfringens
Frequency	2 %
Symptoms	Diarrhea, abdominal cramps, vomiting
Sources of infection	Food produced in large quantities that is rich in animal proteins and only cools slowly, e.g. roasts, sauces, stews, soups
Prevention	Maintain the cold chain, keep the temperature of ready-to-eat food at least 60 °C at all points of the product, maintain kitchen and hand hygiene
Spectrum of efficacy	Sporicidal – if necessary, observe the sporicidal effect gap of hand disinfectants: 1. hand disinfection limited virucidal, 2. washing hands



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