VAH listed

IHO virucidal product list

virucidal acc. to RKI/DVV

ÖGHMP listed

Surface disinfection in **5 min.** (acc. to VAH)

CE 0482

Surface & Aerial disinfection

ULTRASOL® active

Powder concentrate for surface & aerial disinfection based on peracetic acid

- ✓ Broad spectrum high level disinfectant
- ✓ Outstanding cleaning power & superb material compatibility
- ✓ Non-toxic, biodegradable & user friendly
- ✓ Aldehyde free / QAC free
- ✓ Validated product as per EN Norms / DGHM / VAH / RKI
- ✓ Low dosage & Economical in regular use
- ✓ Especially simple, safe & convenient in dosage

Quality & Innovation

Inspired by user needs, ULTRASOL® active is a newly developed, innovative surface & aerial disinfectant. It is a user-friendly, low dusting & odourless powder that is based on peracetic acid. It has excellent bactericidal, fungicidal, tuberculocidal, virucidal & sporicidal activity. It excels in its balance of cost effectiveness with efficacy. ULTRASOL® active is exceptionally effective even at high levels of organic contamination. It's unique formulation allows it to be used for surfaces as well as aerial disinfection with excellent material compatibility.

Active agent

Peracetic acid (PAA) is generated by the reaction of acetic acid and hydrogen peroxide. It is a highly effective disinfectant with a very wide range of antimicrobial activity. It is a powerful agent against bacteria, mycobacteria, fungi, enveloped and non-enveloped viruses as well as bacterial spores.

Mode of Action

The efficacy of peracetic acid is based on the unspecific oxidation of organic matter. It quickly inactivates all kinds of microorganisms without any activity gaps or reduced areas of efficiency. Peracetic acid shows no surfactant error and **counteracts microorganism adaption due to its unspecific mode of action.** Another advantage of peracetic acid is its ability to biodegrade, as it simply decomposes into acetic acid and oxygen, avoiding unnecessary environmental pollution and residual disinfectant on treated surfaces.

Antimicrobial properties

ULTRASOL® active is:
- bactericidal (incl. MRSA)
- tuberculocidal
- yeasticidal
- fungicidal
- virucidal acc. to RKI recommendations
- sporicidal

Technical Information

- ✓ **ULTRASOL® active** creates >750 ppm (1% Solution) Active-agent PAA which is released in-situ
- ✓ **ULTRASOL® active** Powder is protected by special coating procedure and activates only in contact with water
- ✓ **ULTRASOL® active** is colorless and odourless powder concentrate
- ✓ **ULTRASOL® active** ready-to-use solution has a **slightly alkaline pH**
- ✓ **ULTRASOL® active** contains **corrosion inhibitors**
- ✓ Once prepared, the solution can be used up to a maximum of 8 hrs

Application times

Antimicrobial Properties (at high bioburden organic soiling)	1 min.	5 min.	30 min.	60 min.
Sporicidal (C. difficile) Acc. To EN 13704			1.0 % (10 g/l)	0.5 % (5 g/l)
Virucidal (incl. Polio, Adeno, Polyoma, Vaccinia & Noro virus) Acc. To RKI/DVV			1.5% (15 g/l)	1.0 % (10 g/l)
Tuberculocidal Acc. To EN 14348				1.0 % (10 g/l)
Bactericidal, Yeasticidal Acc. To EN 13727 & EN 13624	1.0 % (10 g/l)	0.5% (5 g/l)		
Fungicidal Acc. To EN 13624				1.0 % (10 g/l)

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Advantages

- ✓ Excellent efficacy
- ✓ Replaces traditional, more dangerous chemicals while preserving a full broad spectrum antimicrobial efficacy
- ✓ It has corrosion inhibitors making it suitable for metals as well as plastics
- ✓ Developed to be effective under high levels of organic burden
- ✓ Low concentration are economical in use
- ✓ Non toxic, non CARCINOGENIC completely biodegradable
- ✓ Safe to be used by health care workers
- ✓ Applications include mopping, spraying & fogging

Material compatibility

ULTRASOL® active working solution has been tested and approved for compatibility with the following materials:
Plastics:
Polymethylmethacrylate (PMMA), Polyoxymethylene (POM), Acrylonitrile-butadienestyrene (ABS), Polyethylene (PE), Polyamide (PA), Polysulfone (PS), Polyester (PES), Polypropylene (PP), Polyurethane (PU), Polyvinylchloride (PVC) and silicone.
Floorings:
Rubber, vinyl, PVC, linoleum and tiles.
Metals:
Stainless steel (V2A, V4A).

The compatibility with aluminum and metals such as copper and brass is highly dependent on the concentration used. Testing prior to use is recommended.

Use on polycarbonate (PC) is not recommended due to the risk of stress cracks.

Delivery units

Single unit	Delivery unit	REF
20 g sachet	100	00-255-0002
500 g bottle (incl. measuring cup)	12	00-255-005
1 kg bottle (incl. measuring cup)	6	00-255-010

Preparation

Preparation of ready-to-use solution (0.5%) or (1%) according to dosage chart: Take the right amount of water and add the recommended dose of **ULTRASOL® active** to it. After 10-15 min. with occasional stirring the formation of the active agent per acetic acid is completed and the solution is ready to use. Use personal protective equipment. Rinse equipment with water after use.

Surface disinfection

Apply 0.5% - 1.0% as per the requirement to disinfect & clean all types of surfaces, flooring & inventory, in medical, pharmaceutical industry & public environment. Use clean mop & apply solution evenly & wipe surface thoroughly. Once prepared, the working solution can be used upto a maximum of 8 hours.

Aerial disinfection

Fogging can be done after mopping the surface area like floor/walls (upto 6 feet high) and cover the equipment with sterile towel or cloth.

Dosage Chart

Dosage	0.5 %	1.0 %
2 Ltr	10 Gm	20 Gm
4 Ltr	20 Gm	40 Gm
10 Ltr	50 Gm	100 Gm

Expert Opinions

Prof. **H.P. Werner, Schwerin**: Expert's report on surface disinfection according to DGHM/VAH guidelines.

Expert's report on virucidal efficacy according to RKI/DVV-2008 incl. Polio, Adeno, Papova/Polyoma, Vaccinia viruses.

Expert's report on sporicidal efficacy (Clostridium diflcile) acc. to EN 13704.

Dr. **M. Suchomel, Vienna:** Expert's report on surface disinfection acc. DGHM/VAH guidelines.

Dipl. Biol. T. Koburger, Greifswald: Expert's report on tuberculocidal efficacy acc. to EN 14348.

Expert's report on bactericidal, yeasticidal and fungicidal efficacy according to EN 13727 and EN 13624.
Schmitz u. Söhne GmbH & Co. KG, Wickede (Ruhr): Manufacturer's approval for use on medical inventory and cushions made by Schmitz & Söhne.

Haffkine Institute of India: Efficacy report against various micro-organisms by **aerial disinfection *i.e.* by fogging.**

Listings / Product status

Listed in the current surface disinfectant list of the DGHM/VAH.

Listed in the current surface disinfectant list of the ÖGHMP.

Listed in the IHO list for virucidal disinfectants (www.iho-viruzidie-liste.de).

Registered as a biocidal product at BAuA (German Institute for Employment Protection and Occupational Medicine):
BAuA Reg. No.: N-52958.

Conforms to the guideline 93/42/EC for medical devices.

Product for professional use only
Not for medicinal use.

Additional information

May intensify fire; oxidizer. Causes skin irritation and serious eye damage. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Take all precaution to avoid mixing with combustibles. Wear protective gloves/protective clothing/eye protection/face protection.

IF ON SKIN: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and continue rinsing. IF exposed or concerned: Get medical advice/attention.

Dispose of contents/container to a hazardous waste collection point. Dispose of completely empty containers to recycling.

Environmental information

The products of Dr. Schumacher GmbH are manufactured according to modern, safe and environmentally friendly processes.

Consistent high product quality is guaranteed by our commitment and compliance to highest quality standards.