



VDA 6.2
ESAD II
G M P

DIN EN ISO
14001

DIN EN ISO
9001



SGS

Purity 4



Disinfection is an essential aspect of today's world.

We all expect germ-free and absolutely safe environments.

The purity4 Disinfectants are effective against:

Gram positive and Gram negative bacteria, Viruses, including bacteriophagus, Spore-forming organisms, Yeast, Fungi, Mould and Protozoa.

The purity4 Disinfectants of 3 basic components "Hydrogen Peroxide (H_2O_2) and silver (Ag^+).& PAA (Per Acetic Acid).

Hydrogen Peroxide:

An oxidizing agent which is stabilized with silver for long term efficacy.

Silver ions:

stabilizing the hydrogen peroxide effect.

Have an Oligodynamic effect (covalent linkage with Microbial protein leads to protein precipitation & prevent DNA Duplication).

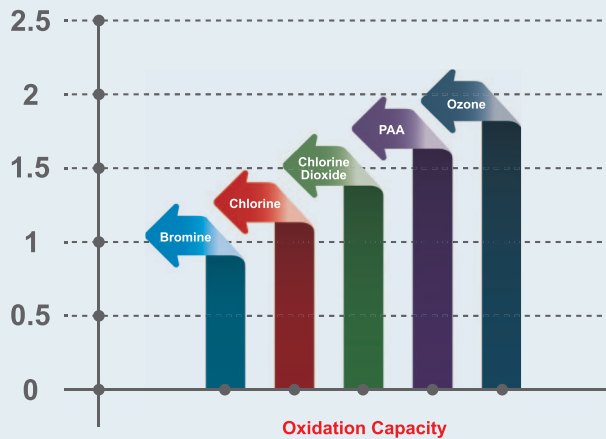
Catalyst for Hydrogen peroxide in the Ionic exchange during the process of organisms' protein oxidation.

Peracetic acid:

A strong oxidation agent (classified after Ozone).



Oxidation Potential of PAA vs other Oxidants



Disinfectants	ORP value
Ozone	2,07
Peracetic acid	1,81
Chlorine dioxide	1,57
Sodium hypochlorite	1,36



Advantages & Properties of the Purity4 Disinfectants

- Universal range of application.
- No gaps.
- Long-term effect.
- Hinders a renewed contamination.
- No danger of bacterial resistance.
- Effective at water temperatures of 0°C - 95°C.
- No danger in case of overdosing.
- Does not create any odour.
- Has no toxic effect in its diluted state.
- No carcinogenic or mutagenic effect.
- In its diluted state it does not cause irritation to skin, eyes and mucous membranes.
- Effectiveness and long-term effect are guaranteed even at high water temperatures.
- The PH value is not alter by the application in the recommended concentration.
- Does not enter into chemical combination with any other chemical element.
- Does not alter the taste of foodstuffs treated.
- No need to rinse after application.
- Neutralization after use not necessary.
- Practically not detrimental to waste water and environment.
- Storage of up to years possible.
- Own measuring and regulating equipment.
- All raw material and equipment suppliers as well as well as the purity4.
- Manufacturing plants satisfy the norms ISO 9001.
- VAH/DGHM certificate.

Purity 4 Application Pharmaceutical Industries

• Floors, walls, ceiling, and drains	1 - 2%
• Equipment, tools, and working clothes	1 - 2%
• Biofilm degradation and removing	2 - 3%
• Fogging system	3 - 6%

Head Office Germany:
Rein Product GmbH

Address: Bahnhofstraße 35, P. O. BOX 39104
Magdeburg Germany

Tel: +493915353734
+4901623504527

Fax: +493915353794
info@reinproduct.de
www.reinproduct.de

