

DrySan Oxy[®]

Description:

DrySan Oxy is a ready to use spray disinfectant with cleaning properties for manual use in the food and beverage industry

Product strengths:

- One product for cleaning and disinfection during and after processing
- Excellent performance in dry cleaning environments
- Excellent wetting behaviour
- No rinse-requirement after application
- QAC and alcohol-free formulation
- Kosher and Halal compliant

Properties

Concentrate

Appearance:	clear to opaque, colourless liquid *
Storage stability:	5 to 25 °C
Solubility:	at 20 °C miscible with water in any proportion
Density:	1.003 – 1.016 g/cm ³ *
P content:	< 0.001 %
N content:	< 0.002 %
S content:	< 0.003 %
COD:	not applicable
pH:	2.01 – 2.41 *
Foam characteristics:	foaming

* Parameters subject to incoming goods control

Material compatibility

DrySan Oxy is, under the application conditions, compatible with materials available in the F&B industry described as follows.

Metals

The material compatibility for standard metals has been tested according to standard DIN 50905 at 20°C and for 96 h. The weight difference has been calculated as g per m² per hour.

Material	g/m ² h
Stainless steel (DIN 1.4301 = AISI 304)	0,000
Aluminium 99,5%	0,002
AlMg3*	0,037
*colour changes may occur	

DrySan Oxy is compatible with stainless steel and aluminium.

When using **DrySan Oxy** on aluminium alloy color change has been observed.

Please try on an uncritical surface before use.

DrySan Oxy is **not** recommended on his use on copper and its alloys, such as brass.

Other materials

The compatibility for standard plastics and sealing materials has been tested according to standard DIN ISO 1817 and DIN EN ISO 175.

DrySan Oxy is compatible with the common plastic and sealing materials such as PVDF, PVC, HDPE, PP, POM, PMMA, EPDM, FKM, HFFKM, NBR.

DrySan Oxy is **not** recommended for PC.

For sensitive materials, after the recommended contact time, any excess amount of liquid should be removed with a dry clean wipe or towel.

In view of the wide range of different materials in use, it is advisable to test suitability as necessary.

Microbiology

EN 13727 Bactericidal Efficacy – Suspension			
Pass criteria	Test organisms	Temperature	Dirty conditions (3.0 g/L BSA + 3.0 g/L sheep erythrocytes)
>5 log reduction	Bacteria - <i>Staphylococcus aureus</i> - <i>Pseudomonas aeruginosa</i> - <i>Escherichia coli</i> - <i>Enterococcus hirae</i>	20°C	1 min
		10°C	5 min

EN 1650 Yeasticidal efficacy – Suspension			
Pass criteria	Test organisms	Temperature	Dirty conditions (3.0 g/L BSA + 3.0 g/L sheep erythrocytes)
>4 log reduction	Yeast - <i>Candida albicans</i>	20°C	5 min
		10°C	5 min

EN 13697 Bactericidal, Yeasticidal efficacy – Surface			
Pass criteria	Test organisms	Temperature	Dirty conditions (3.0 g/L BSA + 3.0 g/L sheep erythrocytes)
Bactericidal efficacy >4 log reduction	Bacteria - <i>Staphylococcus aureus</i> - <i>Enterococcus hirae</i> - <i>Escherichia coli</i> - <i>Pseudomonas aeruginosa</i> - <i>Salmonella typhimurium</i>	20°C	5 min
		10°C	5 min
Yeasticidal efficacy >3 log reduction	Yeasts - <i>Candida albicans</i>	20°C	5 min
		10°C	5 min

EN 16615 Bactericidal, Yeasticidal efficacy – Surface Wiping			
Pass criteria	Test organisms	Temperature	Dirty conditions (3.0 g/L BSA + 3.0 g/L sheep erythrocytes)
Bactericidal efficacy >5 log reduction	Bacteria - <i>Staphylococcus aureus</i> - <i>Enterococcus hirae</i> - <i>Escherichia coli</i> - <i>Pseudomonas aeruginosa</i> - <i>Salmonella typhimurium</i>	20°C	1 min
		10°C	5 min
Yeasticidal efficacy >4 log reduction	Yeasts - <i>Candida albicans</i>	20°C	1 min
		10°C	5 min

Conclusion:

The product is effective as a bactericidal (incl. Salmonella) and yeasticidal surface disinfectant at 10-20°C in the food and feed area under dirty conditions, undiluted use, 5 minutes contact time, by spraying/wiping and spraying.

As RTU cleaner and disinfectant, DrySan Oxy has been evaluated under dirty conditions as worst case scenario.

Application

DrySan Oxy is a single ready to use product for cleaning and disinfection.

It is recommended to use in two steps.

Cleaning

- Spray undiluted on the surface
- Spraying distance to surface: 0.30 m
- Recommended dosage: 10 - 30 ml/m²
- Let soak to solve soiling
- Remove residues with a clean wipe
- Rinsing with water is not necessary

Disinfection

- Spray undiluted on the surface
- Spraying distance to surface: 0.30 m
- Recommended dosage: 10 - 30 ml/m²
- Contact time 5 minutes
- Allow surfaces to air dry or remove remaining liquid with a clean wipe
- Rinsing with water is not necessary

Safety

The relevant hazards identifications of **DrySan Oxy** are given in the EC Safety Data Sheet. If any questions arise in this context, please contact your Ecolab representative.

Although not mandatory, it is recommended to use protective equipment to avoid excessive exposure to skin.

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

The statements, information and data presented herein are believed to be accurate and reliable. The information describes the characteristic features of **DrySan Oxy** in ordinary use but cannot be taken as a guarantee, express warranty or implied warranty for the suitability for a particular purpose and shall not extend mandatory warranty rights (if any). The specifications and performance may vary subject to the operational conditions. Since numerous parameters will influence product performance and applicability, this information does not exonerate the user from liability with respect to the suitability of the product and the appropriate safety measures to be taken. Moreover, a possible infringement of patent rights must be avoided at all times.

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