

# OxyDes Rapid

**Description:**

OxyDes Rapid is a ready to use spray disinfectant designed for use in production areas in the food and beverage industry where water is undesirable

**Product strengths:**

- Excellent disinfecting properties
- QAC, ethanol free formulation
- Kosher and Halal compliant
- No rinse requirement after application

## Properties

**Concentrate**

<b>Appearance:</b>	clear, colourless liquid *
<b>Storage stability:</b>	0 to 35 °C
<b>Solubility:</b>	at 20 °C miscible with water in any proportion
<b>Density:</b>	0.975 - 0.995 g/cm <sup>3</sup> *
<b>P content:</b>	0.06 %
<b>N content:</b>	0.00 %
<b>S content</b>	0.00 %
<b>COD:</b>	not applicable
<b>Flash point:</b>	35.5 °C
<b>pH:</b>	2.01 – 2.30 *
<b>Foam characteristics:</b>	non-foaming

\* Parameters subject to incoming goods control

## Material compatibility

**OxyDes Rapid** is, under the application conditions, compatible with materials available in the F&B industry described as follows.

### Metal

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 m<sup>2</sup> per hour.

Material	g/m <sup>2</sup> h
Stainless steel (DIN 1.4301 = AISI 304)	0,000
Aluminium 99,5%*	0,048
AlMg3*	0,051
Copper*	0,202

\*colour changes might occur

**OxyDes Rapid** is fully compatible with stainless steel.

When using **OxyDes Rapid** on aluminium and its alloy color change has been observed.

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

Please try on an uncritical surface before use.

### Other materials

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

**OxyDes Rapid** is compatible with the common plastic and sealing materials such as PVDF, PVC, HDPE, PP, POM, EPDM, FKM, HFFKM, NBR.

**OxyDes Rapid** is **not** recommended for PC and PMMA.

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

<b>EN 1276 Bactericidal Efficacy – Suspension</b>				
Pass criteria	Test organisms	Temperature	Clean conditions (0.3 g/L BSA)	Dirty conditions (3.0 g/L BSA + 3.0 g/L sheep erythrocytes)
>5 log reduction	<b>Bacteria</b> - <i>Staphylococcus aureus</i> - <i>Pseudomonas aeruginosa</i> - <i>Escherichia coli</i> - <i>Enterococcus hirae</i>	20°C	30 sec	5 min
		10°C	30 sec	5 min

<b>EN 1650 Yeasticidal efficacy – Suspension</b>				
Pass criteria	Test organisms	Temperature	Clean conditions (0.3 g/L BSA)	Dirty conditions (3.0 g/L BSA + 3.0 g/L sheep erythrocytes)
>4 log reduction	<b>Yeast</b> - <i>Candida albicans</i>	20°C	30 sec	5 min
		10°C	30 sec	5 min

<b>EN 13697 Bactericidal, Yeasticidal efficacy – Surface</b>				
Pass criteria	Test organisms	Temperature	Clean conditions (0.3 g/L BSA)	Dirty conditions (3.0 g/L BSA + 3.0 g/L sheep erythrocytes)
Bactericidal efficacy >4 log reduction	<b>Bacteria</b> - <i>Staphylococcus aureus</i> - <i>Enterococcus hirae</i> - <i>Escherichia coli</i> - <i>Pseudomonas aeruginosa</i> - <i>Salmonella typhimurium</i>	20°C	30 sec	5 min
		10°C	30 sec	5 min
Yeasticidal efficacy >3 log reduction	<b>Yeast</b> - <i>Candida albicans</i>	20°C	30 sec	5 min
		10°C	30 sec	5 min

## Conclusion:

**OxyDes Rapid** demonstrates a bactericidal and yeasticidal effect as surface disinfectant, when applied undiluted by spraying with or without wiping at temperatures of 10 - 20°C at a contact time of 5 min for dirty surfaces, respectively 30 sec for cleaned surfaces for the food and feed area.

# Application

**OxyDes Rapid** is a single ready to use product for disinfection.

## Disinfection

- Spray undiluted on the surface
- Spraying distance to surface: 0.30 m
- Recommended dosage: 10 - 30 ml/m<sup>2</sup>
- Contact time 5 minutes
- Allow surfaces to air dry or remove remaining liquid with a clean wipe
- Rinsing with water is not necessary

## Important indications !

- Effluent, containing chemicals, must only be discharged according to the local regulations
- Chemicals containing effluent must only be discharged into the biological treatment station after passing the neutralization- and buffer tank
- When discharging chemically polluted effluent, it is essential to pay specific attention to the bacteria toxicity of this water. This is especially important when dealing with biocide containing effluents and anaerobic sewage plants
- In case of doubt please seek advice from our technical service

## Safety

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

**OxyDes Rapid** is not intended to be applied in excessive amounts in small closed rooms. In case of contact with eyes, rinse immediately with water for 20 minutes and seek medical advice. Do not spray on flames or burning entities. During spraying, the room must be sufficiently aerated.

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

Use product 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 **OxyDes Rapid** 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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