



PerO₂

POWDER DISINFECTANT

**ENVIRONMENTALLY FRIENDLY
BIODEGRADABLE DISINFECTANT
TECHNICAL BROCHURE**

PERO₂ IS A STRONG DISINFECTANT WITH A WIDE SPECTRUM OF ANTIMICROBIAL ACTIVITY, WHICH INCLUDES;

- BACTERIA
- YEASTS
- & MOULD

EFFECTIVELY KILLS LISTERIA



**ENVIRO TAN
CHEMICALS**

PO Box 16726, Dowerglen, 1612
www.envirotan.co.za



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PerOx₂ cleans mouldy surfaces in a single application with no scrubbing.

PerOx₂ can be used as a chlorine free bleach alternative.

PerOx₂ will not displace colour and can be used to safely disinfect any colour fabric.

PerOx₂ is an oxidising agent with a strong vinegar like smell. The mechanism of action is the same as other oxidisers such as chlorine, bromine and iodine. It denatures proteins, disrupts cell wall permeability, and oxidises di-sulfur bonds in proteins, enzymes, and other metabolites.

PerOx₂ is a powder and is easy to transport and store when compared to traditional liquid oxidisers such as sodium hypochlorite.

PerOx₂ may attack plant materials, such as rubber gaskets. Please refer to Safety Data sheet.

APPLICATIONS

PerOx₂ is an effective environmentally friendly powder disinfectant.

Applications areas include:

- Food processing
- Children's Toys
- Beverage
- Baby bottles & Teats
- All hard surfaces
- Dishwashers
- Direct food contact approval
- Washing Machines
- Textile
- Soaking of cloths & mops
- Food, utensils, clothing

AMOUNT TO USE

Results of initial studies indicate that a concentration of **PerOx₂** in the range of 22 grams/litre should be sufficient for most applications.

Suggested dilutions are follows:

110 grams per 5 litres of water.
Stir and dissolve properly.
220 grams per 10 litres of water.
Stir and dissolve properly.

TECHNICAL SERVICE

All of these tests can be provided by Enviro Tan's technical laboratories as part of our customer support.

Typical Physical Properties

Physical Form White Powder
pH at 25°C (22 grams/ Litre) 8.2 - 8.4

STORAGE STABILITY

Stable under normal conditions of storage.
Do not store in direct sunlight.
Keep containers dry and sealed.

RISK ASSESSMENT & MANAGEMENT

PerOx₂ is a completely environmentally friendly disinfectant. When **PerOx₂** is dissolved in water, it disintegrates to **hydrogen peroxide** and acetic acid, which will further break down to water, oxygen and carbon dioxide.

PerOx₂ degradation products are non-toxic and can easily dissolve in water. **Please contact your local sales office should you have questions in this area.**

HEALTH AND SAFETY

The **PerOx₂** Material Safety Data Sheet is provided with every sample and product shipment and is also supplied upon request. It should be read and understood by all supervisory personnel and employees before using this product. **If there is any doubt, please contact your local sales office for advice.**

TOTAL QUALITY

PerOx₂ has been manufactured in an ISO 9001 facility. Use biocides safely. Always read the label and product information before use.

SAFE HANDLING

Refer to the Material Safety Data Sheet (SDS) available from Enviro Tan for information on the safe use, handling, and disposal of this product.

FOR YOUR PROTECTION

Enviro Tan warrants that this product conforms to the chemical description on the label and that it is reasonably fit for the purposes stated on the label when used in accordance with Enviro Tan directions under normal conditions of use.



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