

## TECHNICAL DATASHEET

# PERACID 15E

### **Food & beverage - Zootechny- Water treatment**

#### **Features**

PERACID 15E is a stabilized solution of peracetic acid and hydrogen peroxide compliant with article 95 of Regulation (UE) n. 528/2012. A dossier for the authorization as a biocide for PT2, PT3, PT4 PT5 and PT11 has been presented in agreement with Regulation (UE) n. 528/2012.

PERACID 15E it completely decomposes into water, oxygen and acetic acid. Its oxidizing action is effective against both organic and inorganic matter.

PERACID 15E has a wide action range, it is particularly effective in penetrating and mechanically disaggregating deposits even organic ones. Its action mechanism minimizes all resistance phenomena.

#### **Application fields**

PERACID 15E is applied in the food & beverage, zoo technology sector and for the treatment of:

- Surfaces, materials, appliances and furniture, air treatment and conditioning systems both in private and institutional applications;
- Materials and surfaces associated with shelter and transportation of animals;
- Water intended for animal consumption
- Cooling and process water

#### **Food & beverage**

PERACID 15E is used in the aseptically packaging to protect food and drinking along the supply chain. It can be applied with different technologies: spraying, dipping, vaporization. Dipping and spraying are used for paperboard packaging, vaporization is mainly used for PET packaging. PERACID 15E is also applied in CIP (Clean-In Place) of appliances, distribution systems and tanks.

<b>Application</b>	<b>Mode of use</b>	<b>Concentration</b>	<b>Frequency</b>
Surface treatment – immersion	Immersion	0,01% - 0,15%	daily
Surface treatment - spraying	Spraying	0,01% - 0,3 %	daily
Surface treatment – low pressure spraying	Low pressure spraying, 200 ml/m <sup>2</sup>	0,05 – 0,1%	weekly monthly

#### **Zootechny**

PERACID 15E is employed to guarantee favourable conditions in breeding. Dry and wet mechanical cleaning is a preliminary and essential phase. Mechanical cleaning removes dirt (e.g. terrain, excrements, food, exudates) easing the action of PERACID 15E.

PERACID 15E can be dosed in animal drinking water systems to help maintain them clean.

PERACID 15E is used in CIP in different appliances (transportation, milking robots, appliances).

<b>Application</b>	<b>Mode of use</b>	<b>Concentration</b>	<b>Frequency</b>
Surface treatment – spraying	Spraying	0,2% - 0,5 %	weekly
Surface treatment – low pressure spraying	Low pressure spraying, 300 ml/m <sup>2</sup>	0,05% – 0,1%	weekly
Treatment of transit trays	Immersion	0,05% - 0,1%	daily
Treatment of milking units	Immersion	0,025% – 0,05%	daily

### Water treatment

PERACID 15 E is applied in water treatment for industrial cooling systems such as: cooling towers, evaporative condensers, adiabatic systems, air refrigerating units. Once dosed in water PERACID 15E decomposes spontaneously and rapidly in oxygen, water and acetic acid. For this reason PERACID 15E is the best alternative to halogenated compounds such as hypochlorites and hypobromites. PERACID 15E is dosed in shock in a point of high turbulence of water flow (back circuit of recirculating pumps) to guarantee an adequate mixing. Dosage depends on working conditions and contamination levels: 15-20 ppm (as peracetic acid) for very soiled installation, 5-10 ppm (as peracetic acid) for low soiled installations. The shock frequency is weekly.

<b>Application</b>	<b>Mode of use</b>	<b>Concentration</b>	<b>Frequency</b>
Shock treatment (low contamination)	Dilution with dosing pump	5 – 10 mg/l	weekly
Shock treatment (high contamination)	Dilution with dosing pump	15 – 20 mg/l	weekly

### **Control**

PERACID 15E concentration can be easily monitored using the specific KIT ACIDO PERACETICO: simply dip the reactive paper in water to have an instantaneous check of the treatment level.

### **Features**

Form: liquid  
 pH (as is): 0-1  
 Density: 1,1 – 1,15 g/cm<sup>3</sup> @25 °C

### **Compatibility**

Consider the following compatibility (referred to the pure product):

- Compatible materials: AISI 304 stainless steel, AISI 316 stainless steel, rigid polyvinyl chloride (PVC), polyethylene (PE) polypropylene (PP) polytetrafluoroethylene (PTFE) ethylene-propylene rubber (EPDM).
- Incompatible materials: copper, carbon steel, cast iron, soft PVC, silionic rubber.

Check the material compatibility before use. If in doubt, test the product on a small portion of the surface not in sight.

### **Packaging**

Canister: 25 kg  
 Barrel: 250 kg

### **Other information**

PERACID 15E meets the criteria of Regulation (EC) n. 1272/2008. For specific information see safety data sheet.

Hazard class and category: Oxidizing liquids, 2

Hazard class and category: Metal corrosion, 1

Hazard class and category: Acute toxicity, 4

Hazard class and category: Skin corrosion/irritation, 1

Hazard class and category: Specific Target Organ Toxicity (single exposure), 3

Hazard class and category: Chronic aquatic toxicity, 1



AZIENDA CERTIFICATA  
SECONDO GLI STANDARD  
DI QUALITÀ ISO 9001:2015

PERACID 15E is defined as dangerous for the various modes of transport according to the "United Nations Recommendations on the transport of dangerous goods - Standard Regulations". For specific information, see section 14 of the safety data sheet.

Chemical composition (Reg. 648/2004/CE)

>30% oxygen-based bleaching agents

**Attention**

*This technical data sheet is intended to be purely indicative. For the definition of the correct protocol for the use of Devidet s.r.l. always consult the Devidet s.r.l. Technical Office, expert technicians will be able to provide the most suitable solutions for specific needs. Product for professional use only. We decline all responsibility for damage resulting from improper or unauthorized use of the product. Before use, check that the product matches the type of application required. Before use, consult the safety data sheet or the information sheet.*

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