

# Product information

## MD 555 cleaner

### special cleaner for suction systems



#### MD 555 Cleaner at a glance

- Non-foaming special cleaner for dental suction systems including drainage lines for regions with problematic tap water (e.g. hard water, water containing minerals with poor solubility, etc.) and for drainage lines with insufficient gradient.
- Particularly suitable with the use of special tooth cleaning equipment, e.g. air polishing units with corresponding prophylaxis powders, pearl products.
- Extraordinarily intensive cleaning action - reliably removes and prevents the formation of hard water deposits in suction systems and on acid-resistant surfaces.
- Excellent material compatibility - suitable for all systems with amalgam separators.
- Ideal supplement to Orotol® plus or Orotol® ultra and MD 550 for the comprehensive and intensive disinfection, cleaning, and care of dental suction systems.

#### Properties

MD 555 Cleaner from Dürr System Hygiene is a non-foaming, acidic, special cleaner for dental suction units, including their drain lines. MD 555 Cleaner is recommended for use in regions with problematic tap water (e.g. hard water, water containing minerals with poor solubility) and drain lines with insufficient gradient. MD 555 Cleaner is also particularly suitable with the use of special tooth cleaning equipment, e.g. air polishing units. Regular application of MD 555 Cleaner prevents the buildup of deposits in suction systems. It prevents clogs in suction systems due to the use of prophylactic products with poor solubility, such as prophylaxis powders or pearl products, especially calcium carbonate-based products, and dissolves pre-existing deposits. With its special active ingredients and excipients, MD 555 Cleaner is particularly suitable for units with amalgam separators. In addition, MD 555 Cleaner is universally applicable wherever hard water deposits are required to be removed from surfaces (e.g. tiles, sinks).

#### Product composition

MD 555 Cleaner is based on a combination of organic acids (15-30%), phosphoric acid (15-30%), non-foaming surfactants (< 5%), and excipients in aqueous solution.

#### Directions for use

Apply MD 555 Cleaner regularly as a 5% solution once or twice per week, e.g. during the mid-day break, in cases of hard water or issues related to prophylaxis powders. It may also be applied daily in the case of major deposits. The shortest exposure time is 30 minutes, which may be extended, as necessary. Prepare by filling 50 mL MD 555 Cleaner to a volume of 1 L with water and aspirate through the system using the OroCup. Add at least 250 mL solution to the spittoon also. Rinse the cleaned system with at least 1 L water after the exposure time has elapsed.

MD 555 Cleaner in problematic cases and/or for clearing suction systems with heavy biofilm deposits – in such cases, apply on an alternating basis with active disinfectants, such as Orotol® plus or Orotol® ultra, at a 10% concentration (by filling 100 mL MD 555 Cleaner to a volume of 1 L with water) one to

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five times during the course of a week. Optimal efficacy is achieved with an exposure time of 1-2 hours. Add at least 250 mL solution to the spittoon also.

#### Environmental impact

MD 555 Cleaner is ecologically safe because all of the organic components are readily and completely biodegradable. The packaging is made of polyethylene and polypropylene and can thus be recycled or incinerated. For recycling, flush bottles with water.

#### Physical data

##### Concentrate:

Appearance: clear, reddish liquid

Density:  $D = 1.22 \pm 0.02 \text{ g/cm}^3$  (20°C)

pH: approx. 1

##### Working solution (5%):

Appearance: clear, virtually colourless solution

pH:  $2.0 \pm 0.5$

#### Shelf life

Concentrate: 4 years

#### Container size

2.5-L bottle

#### Storage

Store product at between 5°C and room temperature.

#### Accessories

OroCup

#### General instructions

MD 555 Cleaner has been comprehensively tested for material compatibility with outstanding results on commercially available suction systems. MD 555 Cleaner is not suitable for use on surfaces sensitive to acids, such as aluminium, etc. Do not leave MD 555 Cleaner solution on surfaces overnight! Changes in pro-

duct colour/odour may occur, especially when stored in sunlight. However, these changes in colour and/or odour have no impact on the disinfection efficacy of the product.

#### Hazard warnings

MD 555 Cleaner is classified and labelled in accordance with the CLP Regulation: see product label and safety data sheet.

#### Independent expert opinions – in-house investigations

The expert opinions are available upon request.



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