



# PURO ACIDO CITRICO

NATURAL LIMESCALE REMOVER, DESCALING CLEANER AND POWDER SOFTENER FOR HOME CLEANING

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## User guide

### DESCRIPTION:

PURO ACIDO CITRICO is a water-soluble granular citric acid powder designed to prepare natural acidic solutions with a limescale-removing and descaling action. It is suitable for a wide range of everyday household cleaning tasks, especially when you need to remove limescale deposits and mineral build-up. The product can be used as a natural fabric softener for laundry, as a limescale remover during empty dishwasher and washing machine cycles, and as a descaling cleaner for routine bathroom and kitchen maintenance. It is also effective as a descaling agent for coffee machines and steam irons, helping keep household appliances more efficient over time.

### FIELDS OF APPLICATION:

Suitable for descaling and limescale removal of:

- washing machines (as a natural fabric softener and for empty descaling cycles)
- dishwashers (as a limescale remover and rinse aid during empty cycles)
- taps and showerheads
- sanitary ware
- stainless steel surfaces
- coffee machines (as a descaling agent)
- steam irons (as a descaling agent)
- bathroom and kitchen surfaces (for routine descaling maintenance)

### CHARACTERISTICS:

PURO ACIDO CITRICO is a water-soluble granular citric acid powder specifically formulated to prepare natural acidic solutions with a limescale-removing and descaling action. In particular:

- it dissolves easily in water at any concentration, depending on the intended use;
- it contains 90% pure citric acid (the remaining 10% is water);
- it leaves no residues on treated surfaces;
- it helps dissolve limescale deposits from heating elements and internal pipes of washing machines and dishwashers, contributing to long-term efficiency;
- it is suitable as a descaling agent for coffee machines and steam irons;
- it can be used as a natural fabric softener for laundry.

### INSTRUCTIONS FOR USE:

Powder product to be used only after dissolving it in water, depending on the intended application.

During preparation, avoid dispersing dust into the air and protect eyes and airways. Do not use in combination with other products.

- For use as a natural fabric softener, dissolve 40–50 g of PURO ACIDO CITRICO in 1 litre of water and pour approximately 100 ml of the solution into the fabric softener compartment.
- For use as a dishwasher descaler, dissolve approximately 100 g of product in 1 litre of water and pour the solution into the dedicated compartment, then run an empty cycle.
- To clean the washing machine, dissolve 150 g of product in 1 litre of water, pour the solution into the empty drum and start a short wash cycle (about 30 minutes) at 40°C.
- For routine bathroom and kitchen cleaning, dissolve 150 g of product in 1 litre of water, apply the solution to the surfaces to be treated, leave it to act for a few minutes, then rinse with water.
- To use as a coffee machine descaler, dissolve 10 g of product in 1 litre of water directly in the tank and run the machine until the tank is empty. Then rinse thoroughly with drinking water.
- For cleaning steam irons, dissolve 2 tablespoons of product in 1 litre of lukewarm water, pour it into the tank and leave it overnight. Then empty, rinse with demineralised water and activate the steam function to remove any remaining residues.

## PRECAUTIONS:

Do not use on:

- delicate surfaces that are not resistant to acidic cleaners, such as polished marble and travertine
- slate
- terrazzo
- cement tiles
- wood and other acid-sensitive surfaces

Do not use the product undiluted on fabrics, as it may cause damage.

## NOTES:

Our indications are based on the current knowledge of the research and are intended to give the best guidance to the buyer-user. However, such indications require preliminary examination and testing of the fields of use, the types of materials present and the various conditions of application. The user decides independently on the suitability and the field of use. MARBEC Srl assumes no responsibility for the incorrect use of its products.

## WARNINGS:



### WARNINGS: WARNING

**Hazard statement:** Causes serious eye irritation. – May cause respiratory irritation.

**Precautionary statements:** Avoid breathing dust/fume/gas/mist/vapours/ spray. – Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/... – Call a POISON CENTER/doctor/.../if you feel unwell. – Store in a well-ventilated place. Keep container tightly closed. – Wash ... thoroughly after handling. – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. – If eye irritation persists: Get medical advice/ attention.

**Contains:** Citric Acid Monohydrate EC No.: 201-069-1.

## PACKAGING:

- 1 kg plastic jar – boxes of 6 units
- 5 kg plastic bucket – boxes of 4 units

## YIELD:

The product yield depends on the dilution used, the level of limescale build-up and the amount of solution applied for each treatment.

With a 1 kg pack, you can prepare approximately 10–15 litres of active solution, depending on the selected concentration.

- Routine bathroom and kitchen cleaning  
Under regular maintenance conditions, on taps, showers and surfaces with non-layered limescale, 1 kg provides approximately 10–15 complete treatments, using standard solutions and short contact times.
- Washing machine and dishwasher maintenance  
For empty descaling cycles, a 1 kg pack allows approximately 6–10 complete treatments, depending on the amount of solution prepared and the frequency of use.
- Medium-level soiling  
When visible limescale deposits are present or appliances have not been maintained regularly, the yield may drop to around 7–10 complete treatments, using more concentrated solutions.
- Stubborn limescale or layered deposits  
In the case of persistent scale build-up, heavily encrusted heating elements or severely dulled taps, it may be necessary to increase both the solution concentration and the contact time. As a result, the number of possible treatments may decrease to approximately 5–7 complete applications. For more targeted interventions, the use of specific products such as SANI-KAL BIO and SANI-KAL FORTE is recommended.

Regular preventive use helps keep surfaces cleaner over time and improves the overall efficiency and yield of the product.

## TECHNICAL DATA:

- Physical state: white granular powder
- Bulk density (g/cm<sup>3</sup>) at 20°C: 1.54
- pH (20°C) – 50 g/L solution: 1.8
- Flash point (ASTM): non-flammable solid
- Water solubility: soluble
- Odour: odourless

## STORAGE:

Store in a dry, well-ventilated area in tightly closed containers. Always avoid temperatures above 40°C. When stored under these conditions, the product has a shelf life of 5 years. Over time, the powder may harden slightly; however, this does not affect its effectiveness.

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