

Machine descaler

Powder, for use in Miele Professional washing machines, dishwashers and washer-disinfectors.

Product properties

- Reliably removes stubborn limescale and embedded contamination, e.g. on the heater, in the suds container and in the wash cabinet.
- ProCare Universal 81 C is a Miele Professional process chemical and hence formulated for use on Miele Professional machines.
- This product is particularly suited to use in ProfiLine dishwashers and washing machines with a load capacity of less than 8 kg.
- This product can be used in all water hardness ranges.

Use and dispensing

Descaling with ProCare Universal 81 C should only be performed as and when needed, at most every three months. The necessity to use this product should also prompt an investigation into whether deposits and residues are possibly caused by another process chemical or by modifications to process parameters during routine washing in the cleaning phase.

Please note:

- Do not mix with other products.
- Only for commercial use.
- Operating instructions for Miele Professional machines should be heeded.

Commercial washing machines

Concentration in use: 1-2 cans (250 g each) or 10-50 g/l, depending on degree of scaling (with reference to water consumption in main wash of the respective programme). If active, the automatic dispensing of detergent should be deactivated. Pour the powder into the detergent dispenser in accordance with instructions on concentration in use. Select a programme with a main wash but WITHOUT a pre-wash, with a temperature of 60 °C. On completion of the programme, the washing machine is ready for use again without any further measures, e.g. rinsing with water. Reactivate automatic dispensing after descaling a machine. There should be no laundry in the machine during descaling!

Commercial tank dishwashers

Concentration in use: 1-2 cans (250 g each) or 10-50 g/l, depending on degree of scaling (with reference to water volume in tank). If active, the automatic dispensing of detergent should be deactivated. Fill the tank with fresh water. If the machine was previously in use, run the self-cleaning programme and discharge the tank. After filling the tank with fresh water, add the concentrate in the above concentration to the water in the tank at a temperature of 50 – 70 °C. A programme is run, followed by an activation time of max. 30 minutes. Then run the longest programme (Intensive) approx. 5 times. At the end, run the self-cleaning programme again and discharge the tank in order to thoroughly rinse out the cleaning solution. Reactivate automatic dispensing after descaling a machine. The machine should be empty during descaling!

Commercial fresh water dishwashers and washer-disinfectors

Concentration in use: 1-2 cans (250 g each) or 10-50 g/l, depending on degree of scaling (with reference to water consumption in main wash of the respective programme). If active, the automatic dispensing of detergent should be deactivated. Add the powder according to the above concentration in use during or after water intake for the main wash (not before the pre-wash) in a programme with the highest main wash temperature. Several dishwasher models feature a separate service programme for descaling which can be activated by Service. To do this, open the door and pour the concentrate directly into the cabinet. On completion of the programme, the machine is ready for use again without any further measures, e.g. rinsing with water. Reactivate automatic dispensing after descaling a machine. The machine should be empty during descaling!

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Technical data

- Density (at 20 °C): 1.54 g/cm³
- pH value (at 20 °C): 1.5 storage notes

Storage

- Storage temperature: +5 °C to +40 °C
- Store in a dry place
- Can be used for up to 3 years if stored correctly

During storage, variations in the colour of the product inside the original sealed containers may occur over time. This does not impair the product's properties in use.

Available packaging units and accessories

Designation	Packaging unit
ProCare Universal 81 C	250 g tin

Risks and safety warnings

For safety and environmental information, see EU safety datasheets. If used as instructed, the product is safe in respect to relevant guidelines on food processing. Check all parts for resistance to acids! Ensure that pipework is acid-resistant before discharging acidic solutions from machines. Asbestos cement and cast-iron pipework is unsuitable and requires prior neutralisation of the discharged solution. Dispose of containers only when completely empty and sealed. See safety data sheet regarding disposal of residuals. All information contained in this leaflet is current and correct to our knowledge and experience. This does not however release users from the obligation of conducting their own checks and tests. A legally binding assurance of specific product properties cannot be inferred from this.

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