

UNICLEANER PD

I. DESCRIPTION

UNICLEANER PD is a 2-part powder system primarily used for cleaning processor racks and tanks; removing silver deposits, tar resulting from oxidised developing agent, scale and other crystallised chemicals.

This solution can not be prepared in advance and has to be used within a maximum of 1 hour after preparation. It is essential that racks and tanks are thoroughly washed afterwards in order to remove any remaining cleaning agents.

Used at recommended dilutions and conditions, UNICLEANER PD will not harm metal, rubber or plastic parts of Graphic Arts or X-Ray processors.

II. APPLICATIONS

UNICLEANER PD is designed to give optimum cleaning results in developer and wash tanks and racks of Graphic Arts, X-Ray, B&W Photo, Micrographic and other black & white processors.

UNICLEANER PD can also be used to clean fixer tanks and racks. In this case the effectiveness will depend more on the nature of the contamination.

A. Developer Racks and Tanks

UNICLEANER PD will effectively remove silver deposits and tar from oxidised developer. All deposit might not completely dissolve during the chemical treatment, but usually remaining deposit will easily be removed using a brush or cleaning pad.

In extreme cases a second cleaning with UNICLEANER PD can be needed.

Follow the procedure for cleaning as described in the section hereafter.

B. Fixer Racks and Tanks

UNICLEANER PD may be used for cleaning fixer racks and tanks, but **ONLY** under the conditions that after draining the fixer the tank is thoroughly rinsed with water. This must be done for safety reasons to prevent liberation of noxious gasses.

Once this has been done follow the steps for cleaning developer tanks and racks. Replace old filters with new ones.

C. Wash Racks and Tanks

UNICLEANER PD may be used for cleaning wash racks and tanks to remove algae and other deposits.

Once cleaned, FUJIFILM Europe recommend the regular use of ALGSTOP LR anti algae additive which will inhibit further growth of organic matter, maintaining a clean rack and tank. A separate technical bulletin covers the use of Algstop LR. Consult your FUJIFILM Europe agent for details.

Use biocides safely. Always read the label and product information before use !

III. METHOD OF USE

1. Mixing instructions

It is important to initially fill a 20 litre receptacle with 15 litres of water at a temperature, between 15°C and 25°C.

While stirring constantly with a stick, add part A first, immediately followed by part B.

It takes about 2 to 3 minutes to dissolve completely.

DO NOT ADD WATER TO THE POWDER, EXCESSIVE HEAT WILL RESULT AND CAUSE GENERATION OF NOXIOUS GASSES.

2. Instruction of use

- A. Drain the baths to be cleaned (developer, fixer, water) and collect the chemistry, remove any installed filter.
- B. Prior to adding cleaning solution, it is important, in order to prevent the release of noxious gasses, that the developer and fixer tanks are flushed through with fresh water and then filled with water, to turn the processor on and to let it run for 2 - 5 minutes in order to evacuate chemistry from the circulation pump. For wash-tank cleaning, close the watertap valve and go to step D.
- C. Switch off and drain the tank.
- D. Fill the tank(s) with the freshly prepared cleaning solution.
- E. Turn the processor on and leave the UNICLEANER PD solution running for 10-20 minutes, double these times if the processor is particularly dirty or in cases of low temperature of the cleaning solution. Do not allow the temperature to rise above 35°C, do not allow the solution to remain in the processor for more than 45 minutes.
- F. Switch off and drain the tank(s) to a dedicated waste container.
- G. Refill the tank(s) with water and let the processor run for 2-5 minutes.
- H. Switch off and drain the tank. Clean any remaining deposits away with a brush or cleaning pad. Flush the tank(s) once more with water.
- I. Refill the tank(s) with water - for the developer tank 20% of drained developer (step A) can be added as a neutralizer - and let the processor run for 2-5 minutes. Switch off and drain the tank.
- J. Put new filters in place and refill the tank(s) with water; this is the end of the procedure for a wash-tank; and let the processor run for 1-2 minutes.
- K. Switch off and drain the tank.
- L. Fill the tank(s) with fresh chemistry.

IV. HANDLING PROCESSING SOLUTIONS

All photographic processing solutions can exert harmful effects when brought into contact with human tissue to a greater or lesser extent depending on the nature of the solution and its concentration.

All users of such solutions should exercise the greatest care to avoid the chemicals contacting the skin, eyes or other parts of the body.

Always wear solution resistant gloves and effective eye protection. In case of accidental contact with processing solutions wash the affected part with plenty of clean cold running water.

Wash with an pH-neutral soap and rinse thoroughly with water. Consult a medical doctor.

Some photographic solutions produce irritating vapours therefore thorough ventilation is essential. Do not inhale air above processing solutions.

Always read the hazard information on packs before attempting to handle.