

## PRODUCT INFORMATION

### Special cleaner for developing machines

Photo chemicals in replenished processes are subject to multiple changes. On the one hand, various substances are released from paper and film emulsions, getting accumulated in the working solution, for example silver and silver compounds in the fixer — on the other hand, several ingredients are subject to changes during processing, e.g. developer agents, which become oxidized. Over time these chemical reactions may result in various deposits and residues which are builded up on tank walls and racks. To ensure safe and clean processing, annual basic cleaning of the developing machines with special cleaners is recommended.

#### RACK & TANK CLEANER

Special cleaner for monochrome developing machines in X-ray, PrePress, Micro and Black & White. 2 part powder formula — designed for developer tanks, fixer tanks and water washes.



**Rack & Tank Cleaner** is highly active, it removes even stubborn deposits of silver and silver compounds, including silver sulphide. The application is simple: after dissolving the two powder parts in water, the solution is ready to use - time for cleaning is approx. 30 minutes.

The racks should remain in the tanks during cleaning. Before refilling the tanks again with processing chemicals a thorough rinse with water is required, in order to safely remove any remaining cleaner residues.

**Rack & Tank Cleaner**  
Pack for 4 x 10 L REF 17082

**Note:** Rack & Tank Cleaner must not be used in colour developer tanks. Similarly, Rack & Tank Cleaner is unsuitable for developer tanks from processors that run with hydroquinone-free developers.

For tanks with hydroquinone-free developers it is recommended to apply **Isoclean**. Tarry deposits in colour developer tanks can easily be removed with **Lab Cleaner**.

#### ISOCLEAN

Isoclean is a 2-part liquid cleaner, designed for tanks with hydroquinone-free developers - equally suitable for all other tanks in monochrome machines from X-ray, Micro, Prepress and B&W.

Very effective in removing metallic silver from racks and tank walls. After mixing the two liquid parts A and B with water, the cleaner is immediately ready to use and can be filled into tanks to be treated, cleaning time approx. 30 minutes.

Racks should remain in the tanks during cleaning. Finally a thorough rinse with water is required, in order to safely remove any remaining cleaner residues.



**Isoclean**  
Pack for 3 x 10 litres REF 17073

## LAB CLEANER

Lab Cleaner easily removes tarry deposits, developer oxidation products and many typical laboratory soiling on surfaces made of stainless steel, glass, rubber and various plastics such as polypropylene, fibreglass, PVC.

Lab Cleaner can be used in different ways: As a spray cleaner for direct treatment of soiled surfaces and in diluted form as a tank cleaner for Colour Developers.

### Use as spray cleaner:

Spray on, shortly leave a few minutes to work, support with a brush or sponge if necessary and rinse off with water.

### Use as tank cleaner for Colour Developer

Dilution 1+4: Cleaning time approx. 30 minutes

Dilution 1+9: Cleaning time approx. 12 hours

**Note:** Lab Cleaner must not be used on aluminium.



Lab Cleaner 1 L

REF 16460

Spray nozzle (separate item)

REF 16461

## OCCUPATIONAL SAFETY

Handling of photographic chemicals is safe, if used properly and protective measures are followed. Hazard and precautionary information can be found on the label (H and P phrases, hazard symbol) and in the safety data sheet. Personal protective equipment should include safety goggles or face shield, protective gloves and a lab coat or apron.

## STORAGE

Packages and bottles containing liquid cleaner concentrate or powder should be stored in a dry place, protected from frost and out of reach of children. The maximum temperature range is between 5°C and 25°C. Storage temperatures between 10°C and 20°C are ideal.

## SHELF LIFE

Rack & Tank Cleaner in unopened, originally sealed powder bags has a shelf life of approx. 3-4 years. The shelf life of the liquid products Lab Cleaner and Isoclean is approx. 2-3 years.

## DISPOSAL

Photographic chemicals - concentrates or used baths - must not be discharged into the public sewer system. These chemicals must be discarded by commercial waste treatment companies, who properly treat and dispose of in accordance with legal regulations. Further information can be found in the safety data sheet.