

# Flexographic Printing Articles

## CITOCLYN Flexographic printing cleaning agent

Specially developed for fast and thorough cleaning of printing plates and anilox rollers.

### **CITOCLYN Uni Eco**

– cleaner (mildly alkaline) for printing plate and anilox roller, not subject to mandatory hazard labelling under CLP

### **CITOCLYN Uni Plus**

– cleaner (alkaline) with particularly strong cleaning effect, not subject to mandatory hazard labelling under CLP

### **CITOCLYN Man**

– for manual cleaning

### **CITOCLYN Anilox**

– for anilox roller cleaning

### **CITOCLYN Calyex**

– for removing calcium and magnesium residues

### **CITOCLYN UV**

– for printing plate and anilox rollers in UV printing



Application matrix	Printing plate		Anilox roller		
	automatic cleaning	manual cleaning	automatic cleaning	manual cleaning	external cleaning
CITOCLYN Uni Eco	💧	💧	💧	💧	
CITOCLYN Uni Plus	💧	💧	💧	💧	💧 <sup>1</sup>
CITOCLYN Man		💧		💧	
CITOCLYN Anilox				💧	💧
CITOCLYN Calyex				💧	
CITOCLYN UV		💧	💧	💧	

💧 Aqueous cleaning

💧 Water-free cleaner

<sup>1</sup> Ultrasound cleaning

### Storage instructions

- Protect from frost, heat and direct sunlight
- Store at room temperature in the original container
- 12 month shelf life

# Flexographic Printing Articles

## CITOCLYN Uni Eco



CITOCLYN Uni Eco is a fast acting washing product for **manual and automatic printing plate cleaning, machine cleaning as well as parts cleaning systems**. CITOCLYN Uni Eco is suitable for daily cleaning of anilox rollers and printing plates in flexographic printing machines. The grids are kept clean to ensure a uniform ink density is achieved.

- Not subject to mandatory hazard labelling under CLP
- Low foam formation
- Residue-free cleaning
- No sticking of the printing plates after cleaning
- Can be used in heated roller washing systems
- Recommended dilution with water 1:5 up to 1:10
- Maximum temperature for automatic washing systems 50° C
- Certified as safe for the cleaning of printing plates and anilox rollers for the printing of food packaging (food contact materials)
  - ✓ Conform with sections 3 and 17 of EC No. 1935/2004 for food contact materials
  - ✓ Production reliability combined with product safety

## CITOCLYN Uni Eco

- Not subject to mandatory hazard labelling under CLP
- Mildly alkaline (pH 8 – 9)
- Low foam formation
- Large cleaning effect
- Printing plate-friendly
- Completely water-soluble
- Residue-free cleaning
- Removes calcium deposits
- VOC-free (2010/75/EU)
- AOX-free
- Water hazard class 1
- Density 1.023 g/cm<sup>3</sup>

Order no.	Description	Unit (Litre)
BMC02000	CITOCLYN Uni Eco	1,000
BMC02001	CITOCLYN Uni Eco	1*
BMC02020	CITOCLYN Uni Eco	20
BMC02200	CITOCLYN Uni Eco	200
BMC02600	CITOCLYN Uni Eco	600

\* 1 Litre container for test purposes only

# Flexographic Printing Articles

## CITOCLYN Uni Plus



CITOCLYN Uni Plus



CITOCLYN Uni Plus is a fast-acting and intensive washing product for **manual and automatic printing plate cleaning, machine cleaning as well as for parts cleaning systems.**

CITOCLYN Uni Plus is also suitable for daily cleaning of anilox rollers and printing plates in flexographic printing machines, even for difficult to clean printing inks. The screens are kept clean so that a uniform ink density is achieved.

Due to the alkaline pH value of the concentrate, and the fact that it is not subject to mandatory hazard labelling under CLP, it has a particularly **strong cleaning effect** and a **low hazard potential for users.**

- Not subject to mandatory hazard labelling under CLP
- Low foam formation
- Residue-free cleaning
- Recommended dilution with water 1:5 up to 1:10
- Maximum temperature for automatic washing systems 50 °C
- Certified as safe for the cleaning of printing plates and anilox rollers for the printing of food packaging (food contact materials)
- ✓ Conform with sections 3 and 17 of EC No. 1935/2004 for food contact materials
- ✓ Production reliability combined with product safety

### CITOCLYN Uni Plus

- Not subject to mandatory hazard labelling under CLP
- Alkaline (pH 10 – 11)
- Low foam formation
- Large cleaning effect
- Printing plate-friendly
- Completely water-soluble
- Residue-free cleaning
- Removes calcium deposits
- VOC × < 1.5 % (2010/75/EU)
- AOX-free
- Water hazard class 1
- Density 1.023 g/cm<sup>3</sup>

Order no.	Description	Unit (Litre)
BMC06000	CITOCLYN Uni Plus	1,000
BMC06001	CITOCLYN Uni Plus	1*
BMC06020	CITOCLYN Uni Plus	20
BMC06200	CITOCLYN Uni Plus	200
BMC06600	CITOCLYN Uni Plus	600

\* 1 Litre container for test purposes only

# Flexographic Printing Articles

## CITOCLYN Man



CITOCLYN Man is a flexographic printing cleaner for removing dried-on printing ink from printing plates or anilox rollers by manual cleaning outside the printing machine.

- Residue-free drying
- Pure or diluted with water up to 1:10
- Maximum temperature for automatic washing systems 50° C

### CITOCLYN Man

- Highly alkaline (pH 13 – 14)
- Fast cleaning effect
- Large cleaning capacity
- Printing plate-friendly
- Completely water-soluble
- Residue-free cleaning
- VOC: x < 0.25 % (2010/75/EU)
- AOX-free
- Water hazard class 1
- Density 1.077 g/cm<sup>3</sup>

Order no.	Description	Unit (Litre)
BMC03000	CITOCLYN Man	1,000
BMC03001	CITOCLYN Man	1*
BMC03020	CITOCLYN Man	20
BMC03200	CITOCLYN Man	200
BMC03600	CITOCLYN Man	600

\* 1 Litre container for test purposes only

# Flexographic Printing Articles

## CITOCLYN Anilox



CITOCLYN Anilox is an excellent washing agent for **manual or automatic cleaning in external cleaning systems for anilox rollers.**

- Outstandingly deep cleaning
- Low foam formation
- Can be used in heated roller washing systems
- Residue-free drying
- For manual cleaning pure or diluted with water up to 1:2
- Depending on the degree of soiling, leave to act for several minutes and then rinse off with clean water
- For automatic cleaning diluted with water up to 1:5
- Maximum temperature for automatic washing system 40° C

### CITOCLYN Anilox

- Highly alkaline (pH 13 – 14)
- Fast cleaning effect
- Outstandingly deep cleaning
- Maximum cleaning effect
- Low foam formation
- Completely water-soluble
- Residue-free cleaning
- Removes calcium deposits
- VOC: x < 3.0 % (2010/75/EU)
- AOX-free
- Water hazard class 1
- Density 1.06 g/cm<sup>3</sup>

Order no.	Description	Unit (Litre)
BMC04000	CITOCLYN Anilox	1,000
BMC04001	CITOCLYN Anilox	1*
BMC04020	CITOCLYN Anilox	20
BMC04200	CITOCLYN Anilox	200
BMC04600	CITOCLYN Anilox	600

\* 1 Litre container for test purposes only

# Flexographic Printing Articles

## CITOCLYN Calyex



CITOCLYN Calyex is a **manual cleaning agent for the removal of calcium and magnesium deposits**. The washing product dissolves stubborn calcium and magnesium residues, removing them quickly and thoroughly from anilox rollers and accessories. CITOCLYN Calyex is also suitable for removing deposits in printing plate cleaning systems.

- No foaming
- Outstanding calcium dissolving capacity
- Easy handling
- Recommended dilution with water 1:1
- Compatible with stainless steel, chrome, ceramic, PE and PP

### CITOCLYN Calyex

- pH ~ 1.2
- Very good calcium dissolving capacity
- Easy handling
- Printing block-friendly
- Corrosion inhibiting
- No foaming
- VOC-free (2010/75/EU)
- AOX-free
- Water hazard class 1
- Density 1.05 g/cm<sup>3</sup>

Order no.	Description	Unit (Litre)
BMC07000	CITOCLYN Calyex	1,000
BMC07001	CITOCLYN Calyex	1*
BMC07020	CITOCLYN Calyex	20
BMC07200	CITOCLYN Calyex	200
BMC07600	CITOCLYN Calyex	600

# Flexographic Printing Articles

## CITOCLYN UV



CITOCLYN UV is a cleaning agent for **removing UV flexographic printing inks, dispersion inks and 2C varnishes from anilox rollers and printing plates.**

- It is used pure and is suitable not only for manual cleaning but also for automatic washing systems. For manual cleaning, it can be applied on the printing plate or anilox roller using cloths or a spray can.

- For manual cleaning, depending on the degree of soiling, leave to act for several minutes and then wipe off with a lint-free cloth.
- Maximum temperature for automatic washing system 40° C

## CITOCLYN UV

- pH neutral (pH 6 – 7)
- High cleaning effect
- Printing plate-friendly
- Residue-free cleaning
- Flashpoint 100 – 110° C
- VOC-free (2010/75/EU)
- AOX-free
- Water hazard class 1
- Density 1.02 g/cm<sup>3</sup>

Order no.	Description	Unit (Litre)
BMC05000	CITOCLYN UV	1,000
BMC05001	CITOCLYN UV	1*
BMC05020	CITOCLYN UV	20
BMC05200	CITOCLYN UV	200
BMC05600	CITOCLYN UV	600

\* 1 Litre container for test purposes only

# Flexographic Printing Articles

## FDS – Mix Direct mixing stations



The FDS – Mix Direct mixing stations are designed for manual removal of a CITOCLYN water mixture at various places in the company. This means that defined removal quantities can be controlled by the production management and employee safety is ensured when working with substances with high pH value.

The advantages:

- Can be used for different container sizes
- Uniform mix ratio
- Adjustable mix ratio
- Operation without electrical power
- Safe operation
- No backflow of cleaner into the drinking water

FDS – Mix Direct functions without electrical power and is simply connected to the water pipe. The water pressure acts as a driving force. In this way, the concentrate is drawn in, the required percentage is metered and is homogenised with the water in the mixing chamber. The quantity of injected product is always proportional to the water volume.

The mixing station is equipped with a non-return valve for environmentally friendly application; it ensures that cleaning mixture cannot flow back into the drinking water system.

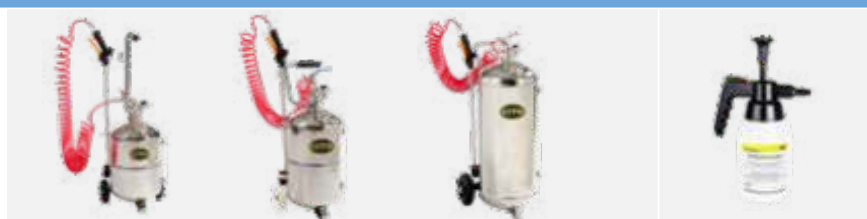
Order no.	Description	Unit
BMC10001	FDS – Mix Direct mixing station for manual removal, adjustable mix ratio 1 – 10 %	1 pc.
BMC10002	FDS – Mix Direct mixing station for manual removal, adjustable mix ratio 5 – 25 %	1 pc.
BMC10003	FDS – Mix Direct mixing station for manual removal, adjustable mix ratio 1 – 10 %, for wall mounting	1 pc.
BMC10004	FDS – Mix Direct mixing station for manual removal, adjustable mix ratio 5 – 25 %, for wall mounting	1 pc.

Can be used for different container sizes (200 litre drum, 600 litre IBC and 1,000 litre IBC)



# Flexographic Printing Articles

## CITOCLYN Pressure Sprayers Hand Sprayer



For efficient and effective spraying and application of cleaning agents.

The CITOCLYN Pressure Sprayers are available as mobile sprayers and hand-

held sprayers. These are supplied with a complete set of CITOCLYN Safety Labels, so that the contents are easy to identify.

### CITOCLYN Pressure Sprayers (mobile)

Optimum for safe, economic and convenient use.

The mobile pressure sprayers are made of stainless steel and are operated with compressed air. The compressed air produces uniform and efficient wetting of printing plates and anilox rolls.

The mobile sprayers are equipped with an overpressure relief valve for maximum operating safety. Frequent refilling or manual pumping by hand is not necessary thanks to the container size and compressed air connection.

The result: more efficient, faster, more reliable and safer manual cleaning process.

Equipment:

- Content display
- 10 metre spiral hose
- 600 mm stainless steel lance
- Pressure gauge with stainless steel housing

Order no.	Description	Volume	CITOCLYN Cleaner				
			Uni Eco	Uni Plus	Man	Anilox	UV
BMC10101	Mobile pressure sprayer V2A pH-value 4 – 11	16 l	✓	✓	-	-	✓
BMC10102	Mobile pressure sprayer V2A pH-value 4 – 11	24 l	✓	✓	-	-	✓
BMC10103	Mobile pressure sprayer V4A pH-value 2 – 14	24 l	✓	✓	✓	✓	✓
BMC10104	Mobile pressure sprayer V2A pH-value 4 – 11	50 l	✓	✓	-	-	✓

### CITOCLYN Hand Sprayer

Ideal for applying small quantities.

By using the CITOCLYN Pump Spray Bottle, the cleaning agent is applied uniformly and is sprayed finely and reliably.

Simple function: Manual pumping generates a pressure in the container.

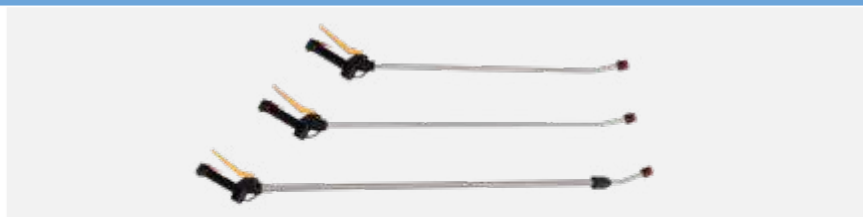
No overpressure thanks to the safety valve.

By simultaneously pressing the release, a press of the thumb on the spray button is sufficient for reliable spraying of the CITOCLYN Cleaning Agent.

Order no.	Description	Volume	CITOCLYN Cleaner				
			Uni Eco	Uni Plus	Man	Anilox	UV
BMB00014	Hand Sprayer	1 l	✓	✓	✓	✓	✓

# Flexographic Printing Articles

## CITOCLYN Stainless Steel Spray Lances



## CITOCLYN Stainless Steel Spray Lances

For ergonomic and safe working when spraying printing plates.

Stainless steel spray lances are available in different lengths. The robust lances made of stainless steel and the high-quality fluororubber seals ensure a long life.

- Highly resistant seal
- 110° discharge fan nozzle
- Nozzle filter 50 mesh
- G1/2" inside connection reduced to G1/4"

Order no.	Description	Length
BMC10105	Stainless steel lance	750 mm
BMC10106	Stainless steel lance	900 mm
BMC10107	Telescopic stainless steel lance	1,000 to 2,000 mm

# Flexographic Printing Articles

## CITOCLYN Pump Sets Spill Trays



### CITOCLYN Pump Sets

Specially preassembled pump sets for pumping CITOCLYN Cleaning Agents.

Available in 200 litre drums, 600 litre or 1,000 litre IBCs.

Can be dismantled into two pieces for fast and easy cleaning.

Optional screw covers in DN 150 and DN 225, with G 2" opening for fixing the drum pump, are available for fixing in the 600 and 1,000 litre IBCs and screw covers.

Description		200 litre drum	600 litre IBC	1,000 litre IBC
Pump set	1,000 mm	BMC10011	-	-
	1,200 mm	-	BMC10012	BMC10012
Cover	150 mm	-	BMC10013	BMC10013
	225 mm	-	BMC10014	-

#### BMC10011

CITOCLYN Pump Set for 200 Litre drum

- Drum pump collector motor, 230 V, 50 Hz, 500 W, IP24 with undervoltage release and speed adjustment, 5m cable, 2-pin plug
- Discharge outlet: G 1 1/4 A
- Outside Ø: 40 mm
- Immersion depth: 1,000 mm
- PVC hose DN 19, 2 m long
- PP nozzle, EPDM seals
- PP drum fitting with G 2 A external thread, PP

#### BMC10012

CITOCLYN Pump Set for 600 and 1,000 litre IBCs

- Drum pump collector motor, 230 V, 50 Hz, 500 W, IP24 with undervoltage release and speed adjustment, 5m cable, 2-pin plug
- Discharge outlet: G 1 1/4 A
- Outside Ø: 40 mm
- Immersion depth: 1,200 mm
- PVC hose DN 19, 2 m long
- PP nozzle, EPDM seals
- PP drum fitting with G 2 A external thread, PP

### CITOCLYN Spill Trays

Optimum for safe storage of drums or IBCs.

The spill trays contain cleaning agents in the event of accidental leaks or leaks when removing/transferring the contents. Easy to transport with a forklift truck or pallet truck.

The steel trays have a dimensionally stable structure and have a galvanised grid platform. The installation site must be horizontal and protected from the rain, where possible.

Order no.	Bezeichnung	Size	Weight	Volume
BMC10108	Steel spill tray For 1 drum 180 – 220 litre	1,000 × 850 × 300 mm	63.3 kg	0.270 m <sup>3</sup>
BMC10109	Steel spill tray For 1 IBC 600 – 1,000 litre	1,350 × 1,350 × 620 mm	183 kg	1,422 m <sup>3</sup>