



Printing industry

Cleaning products for printing inks

For perfect printing results

About us

KS Chemie, founded in 1999 and based in Oldenburg, is a member of the BÜFA group. With its more than 130 years of experience, BÜFA, a medium-sized family-owned enterprise, is an innovative, global operator.

One of our core competences is manufacturing special high-end cleaning products for manual and automatic removal of solvent-based and water-based printing inks.

Our cleaning products are widely used in the areas of printing industries, paint and lacquer production, and the automotive supply industry.



Environmentally kind products

Alongside high efficiency coupled with economical use, we place particular emphasis on water-based solutions – with a focus on environmental protection, safety at work and sustainability.

Our partner

In the field of automated cleaning systems we have a long-standing partnership with D.W. Renzmann, a manufacturer of industrial cleaning machines with worldwide operations. Their machines for cleaning printing plates, anilox rollers etc.

comply with the current European regulations and ensure maximum safety and health protection for users. With our know-how we provide tailored cleaning products for such machines.



Complete service

We analyze and develop cleaning products and processes especially according to customer demands. In all cases we offer individual and detailed consultancy plus intensive on-site instruction – leading to optimal cleaning results.

Application areas

Our product range comprises water-based and water-free, low-emission products. They feature quick dissolving properties in conjunction with high material compatibility and are widely used for cleaning:

- Printing plates
- Impression cylinders
- Anilox rollers
- Printing blocks
- Sleeves
- Ink troughs
- Ink containers
- Ink feeding systems
- Print unit parts
- Tools

Cleaning methods used in the printing industry

Our cleansers are applied in spraying and dipping processes. Their scope of use includes solvent-based and water-based printing inks and UV inks in fresh, dry or cured state for a whole range of applications.

Compared with cleaning using organic solvents, water-based processes have proved to be more efficient as regards economic and environmental aspects. Their effectiveness results not only in shorter cleaning cycles, but also in significantly better performance.



Advantages of aqueous cleaning systems

Most of the aqueous cleaners contain no VOC-emitting compounds. Their non-flammability does away with the need for any complex safety arrangements. Such cleaners are universally applicable

and thanks to their broad chemical-physical efficiency profile are suitable for all common paint systems. Their cleaning power is often higher than that of organic systems, so that cycles can be shortened

and less mechanical action is needed. Aqueous systems can also carry much more soil than classic organic solvents, substantially reducing consumption.



Products for automatic cleaning methods

AniClean products (water-based)

Properties	Application
<ul style="list-style-type: none">• Excellent cleaning properties• Highly alkaline concentrated cleaner• Amine-free products available• Low-emission• Above 40 °C foam-free in application dosage• Non-flammable• Economical because long shelf-life of the cleaning bath• Economical because diluted with water for use	<p>For efficient removal of all printing inks with low and high degree of cross-linking</p> <p>Material: effective on all common steel, stainless steel, chromium and ceramic surfaces. Plastics – only use after checking compatibility</p> <p>Concentration: in aqueous dilution 30–50 %</p> <p>Application temperature: 40–80 °C depending on type of cleaner</p>

Aqua InkClean products

Properties	Application
<ul style="list-style-type: none">• Convincing cleaning properties• Free of VOC• Mild alkaline products• Above 40 °C foam-free in application dosage• Non-flammable• Homogenous (1 phase) in application dosage• Economical because diluted with water for use	<p>Developed for water-based printing inks which are not reactive, cross-linked or dried with a very hard surface</p> <p>Material: effective on all common steel, stainless steel, chromium and ceramic surfaces. For aluminium, galvanized parts, nonferrous metals and plastics – only use after checking compatibility</p> <p>Concentration: diluted with water 5–25 %</p> <p>Application temperature: 40–80 °C depending on type of cleaner</p>

InkClean products

Properties	Application
<ul style="list-style-type: none">• Extraordinary cleaning performance• Suitable for water and solvent-based cleaning processes• pH neutral to alkaline products• Low emission• Low flammability to non-flammable• Economical because diluted with water for use	<p>For the removal of all common paint systems as long as they are not too much cross-linked. Especially suited for water based paints and UV paints</p> <p>Material: effective on all surfaces made out of steel, stainless steel, chromium and ceramic. Aluminium, galvanized parts, nonferrous metal and plastic – only after checking compatibility</p> <p>Concentration: 10–50 %</p> <p>Application temperature: 20–75 °C dependent on the type of cleaner</p>

SolventClean products

Properties	Application
<ul style="list-style-type: none">• High-boiling solvent-based cleaners• Low emission• Flashpoints between 60–90 °C• Low foaming	<p>For removing of solvent-based printing inks even in dried state. Also suitable for cross-linked, water-based paints and UV paints</p> <p>Material: effective on all common steel, stainless steel, chromium and ceramic surfaces. For aluminium, galvanized parts, nonferrous metals and plastics – only use after checking compatibility</p> <p>Concentration: ready-to-use</p> <p>Application temperature: 20–55 °C depending on type of cleaner</p>



Additives for the cleaning process

Every cleaning job is a challenge. Our supplementary products support the special cleaners to optimize the cleaning process and to fulfil more demanding tasks.

The Complement additive series boosts cleaning performance as a cleaning accelerator.

In cases of heavy foaming, our special FoamEx concentrate helps with its strong foam-reducing properties.

We are pleased to advise our clients on selecting the optimal cleaner combination for all individual cleaning problems.

Complement cleaning boosters

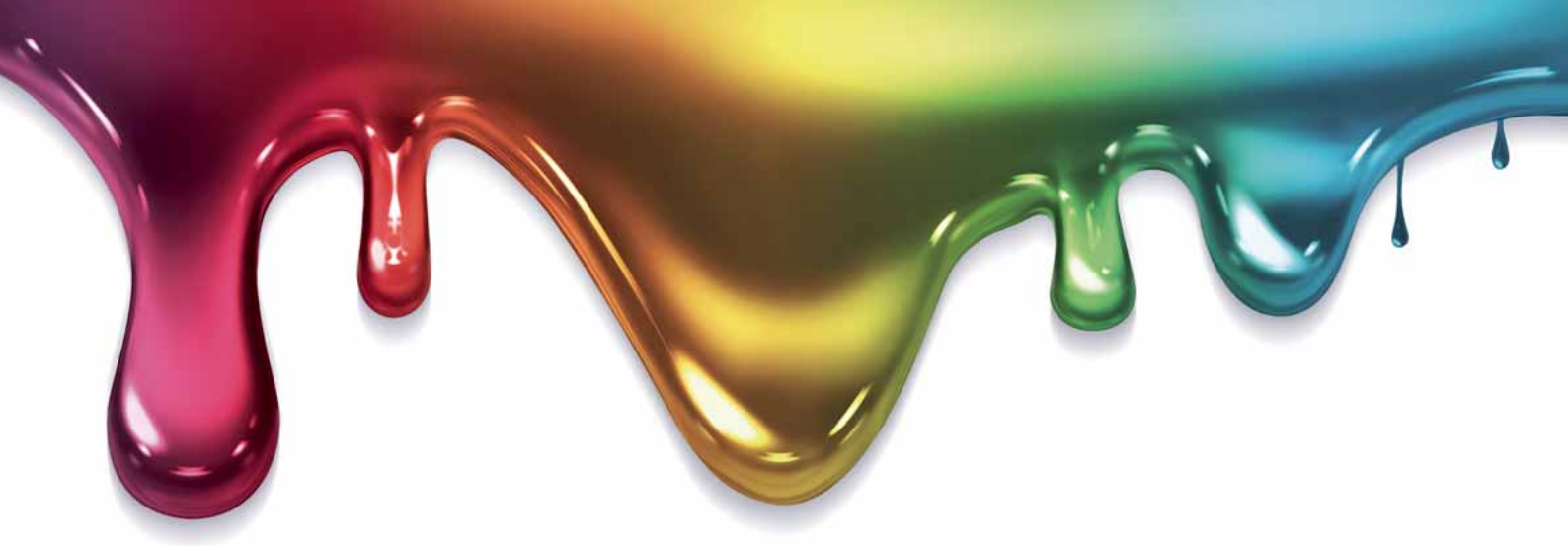
Properties	Application
<ul style="list-style-type: none"> • Cleaning boosters for all kinds of cleaning processes • Contain quick-wetting and to some extent defoaming surfactants • Suitable in pH neutral to high alkaline blends • Accelerate the cleaning process • Increase soil dispersing/carrying properties of the cleaning fluid 	<p>Additives for basic cleaners; suitable for all paint systems; applicable in spray and dip processes, can be dosed continuously</p> <p>Concentration: Individual variable</p> <p>Application temperature: 60–80 °C</p>

FoamEx defoaming agent

Properties	Application
<ul style="list-style-type: none"> • Highly concentrated additive for defoaming • For turbulent, aqueous alkaline cleaning baths 	<p>For adding to cleaning processes with soil-related high-foaming tendencies; supports the cleaning process; suitable for all cleaning methods</p> <p>Concentration: for immediate aid 1,5–3,5 %</p> <p>Application temperature: effective above 40 °C</p>

InCorr corrosion inhibitor

Properties	Application
<ul style="list-style-type: none"> • Temporary corrosion inhibitor for steel (low alloy or unalloyed) • No passivation of aluminium and aluminium alloys 	<p>Concentrate for producing passivation baths; using immersion or spray method</p> <p>Concentration: 2 % – 10 %</p> <p>Application temperature 55 °C – 70 °C</p>



Products especially for manual cleaning

The following products are highly recommended for such applications:

Properties	Application
<p>Solvent SafetyClean High-boiling, solvent-based cleaning agent</p>	<p>Suitable for all ink systems and effective in the case of non-cross-linked paints; low-emission</p> <p>Material: effective on all common steel, stainless steel surfaces, chromium, ceramic, aluminium, galvanized parts and nonferrous metals. Plastics – only use after checking compatibility</p> <p>Concentration: ready-to-use</p>
<p>SolventClean 7177 High-boiling, solvent-based cleaning agent</p>	<p>Cleaner based on low-emission solvents; quick cleaning effects; for daily application; also for cross-linked paints</p> <p>Material: effective on all common steel, stainless steel, nonferrous metal, aluminium surfaces, chromium, ceramic and galvanized parts. Plastics – only use after checking compatibility</p> <p>Concentration: ready-to-use</p>
<p>AniClean R4 Highly alkaline, water-miscible cleaner concentrate</p>	<p>For water-based cleaning methods; particularly suitable for removing of cross-linked printing inks; can be diluted with water</p> <p>Material: effective on all common steel, stainless steel surfaces, ceramic, HDPE and Teflon. Aluminium, galvanized parts, nonferrous metals, plastics – only use after checking compatibility</p> <p>Concentration: ready-to-use</p>



FOR PERFECT SURFACES.

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