



# BÜFA

*New chemistry.*

## Cleaning in the Paint and Coatings Industry

Better results and process reliability with  
cleaning agents and services from BÜFA

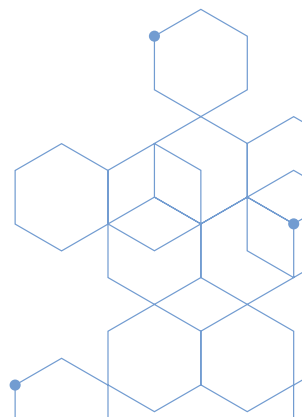
Cleaning

# About us

The BÜFA Group is a globally active, medium-sized, family-owned company with over 140 years of experience in the chemical industry. The Cleaning division has its core competence in the development, production and distribution of high-quality special cleaning agents for the mechanical and manual removal of printing inks, coatings and adhesives. The principle of all our actions is the careful use of resources, both in our daily work and in the development of our products.

## That means for us:

- Economical use of energy and water
- Products that are environmentally friendly, low-emission and partially VOC-free
- ISO 9001 (quality management) and ISO 14001 (environmental management) certifications
- 100% Reach compliant



# Our recycle canister: 20 L

The sustainable use of limited resources is particularly important to us. That is why we offer our products in 20 l recycle canisters. These canisters are approved for the transportation of hazardous goods. Old canisters are turned into new ones - a perfect cycle.

## How does it work?

- Empty canisters are collected by us and sent to the manufacturer
- Canisters are shredded and the resulting granulate is used to produce new canisters
- We are using the new canisters made from recycle material for the next delivery



# Better results and process reliability with cleaning agents and services from BÜFA

Consistent paint/lacquer quality and smooth processes require reliable cleaning of production machines, mixing containers and components. An inadequate cleaning result leads to poor quality, complaints, rejects, reworking, reduced output and loss of capacity on the system. With a consulting focus on the entire cleaning process, our products ensure the best cleaning results, helping you to meet high internal and external expectations on a daily basis.

The right cleaner for every cleaning task:



Color system: Whether UV, water or solvent-based ink systems, fresh, dried or cured, heavily or less heavily soiled - we have the perfect solution.



Surface: Whether aluminum, stainless steel, ceramics or plastics – we offer the right cleaner for every surface material.



Method: Our program includes products for mechanical and manual cleaning as well as special additives for corrosion protection and defoaming.

## Your system determines our cleaning solution

### Our 4-step system

We offer comprehensive advice on site and test your paint samples with our cleaners. The result is a specific and complete cleaning concept for your system. Your satisfaction is what drives us.

We offer the following services - choose what is relevant for you:



#### Check-Up at your premises

- a. Include production factors
- b. Taking paint samples



#### Laboratory tests

- a. Tests of our cleaners with your color samples
- b. Detailed advice on the results



#### Practical tests

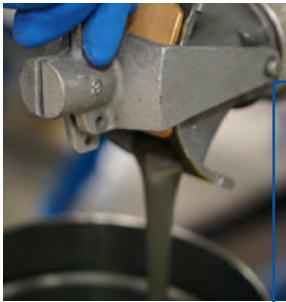
- a. Sending the optimum cleaner for testing purposes
- b. Optimization of the cleaning parameters (time, temperature)
- c. Joint evaluation of the results
- d. Instruction on site, training of employees, cleaning protocol



#### Aftercare

- a. Professional contact person
- b. Continuous support in optimizing your cleaning results, e.g. washing bath analysis for quality and cost optimization

# Our program for the paint and coatings industry



Our product range includes low-emission, water-based and water-free products. Our water-based cleaner concentrates offer major advantages over conventional solvent-based cleaners. In our solvent-based cleaners, we use innovative combinations of raw materials to replace highly flammable and harmful raw materials. With us, you reduce emissions and make your production safer.

## Advantages of aqueous cleaning systems:

- ◆ Low-emission, partly VOC-free
- ◆ Low requirements: Complex safety precautions (explosion protection) resulting from the use of organic solvents are largely unnecessary
- ◆ More powerful - even thick, highly cross-linked layers of paint are removed
- ◆ Increased dirt-carrying capacity against dissolved and undissolved substances
- ◆ Shorter washing times due to the high washing power
- ◆ Efficiency: Shorter washing times and lower detergent consumption make the process more efficient



## Our product family:

### Highly alkaline: Paintex

Our highly alkaline cleaners have a high alkaline reserve. Their dirt-carrying capacity is correspondingly high. They are suitable for all paint systems.

### Mildly alkaline: InkClean

Our mildly alkaline cleaners have an alkalinity based primarily on amine compounds. They are mild yet effective. Water-based printing inks in particular are cleaned gently and effectively.

### Modular system und Additive: Complement

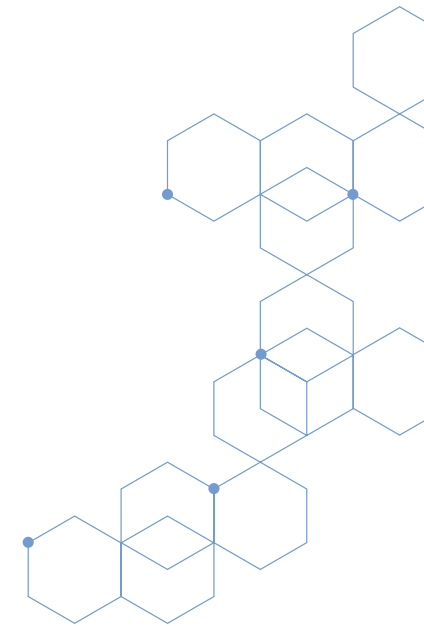
With our ultra-highly concentrated cleaning concentrates, defoamers and other additives, you can optimize potassium hydroxide solution and water mixtures individually for your cleaning.

### Water-free-alkaline

Paint stripping of aluminium parts, galvanized components or non-ferrous metal surfaces without solvents - this is what our water-free alkaline cleaners are designed for. These highly innovative products replace hazardous solvents in your specific application.

### Solvent based: SolventClean












Our solvent-based cleaners are low in emissions and have flash points between 18-90 °C. They are low-foaming and effective at removing solvent-based paints, cross-linked, water-based paints and UV paints, even when dry. Our cleaners can be used on all common material surfaces such as steel, stainless steel, aluminum, non-ferrous metals, chrome and ceramics.



# Cleaning of mobile mixing tanks

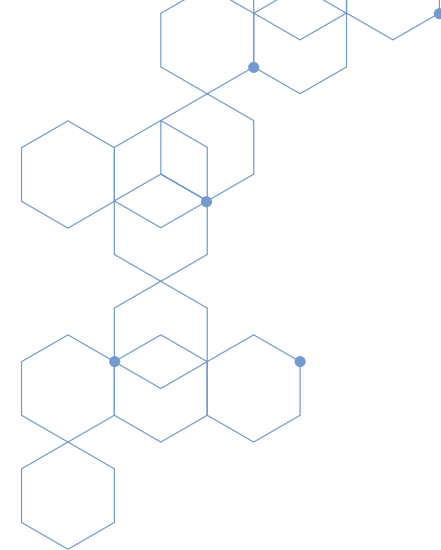
## Automated cleaning of mobile mixing tanks

Mobile mixing or transport containers can be cleaned particularly quickly and easily by machine. Our cleaners are optimized for the needs of all common washing machine brands. We protect your material - that of the container and that of the machine. But build-up and paint residues don't stand a chance against our cleaners. Neither does foam.

| Product                         | Short description   | UV | WB | SB | LF * | Steel | Alu | Cer.* | Plas.* | Signal word | Pictograms  |
|---------------------------------|---|----|----|----|------|-------|-----|-------|--------|-------------|---|
| <b>Highly alkaline cleaners</b> |   |    |    |    |      |       |     |       |        |             |   |
| <b>Paintex 3224</b>             | Highly alkaline, for demanding cleaning tasks               | x  | o  | x  | x    | x     |     | x     | o      | Danger      |     |
| <b>Paintex WT</b>               | Low odor, for demanding cleaning tasks                      | x  | x  | x  | x    | x     |     | x     | o      | Danger      |     |
| <b>Paintex 1967</b>             | Highly alkaline, for very demanding cleaning tasks          | x  | o  | x  | x    | x     |     | x     | o      | Danger      |     |
| <b>Paintex 2310</b>             | Low odor, economical  | x  | o  | x  | x    | x     |     | x     | o      | Danger      |   |
| <b>Mildly alkaline cleaners</b> |   |    |    |    |      |       |     |       |        |             |   |
| <b>InkClean LF</b>              | Mildly alkaline, extremely low-foaming cleaning concentrate |    | x  |    | x    | x     |     | x     | o      | Warning     |    |
| <b>InkClean 2980</b>            | Mildly alkaline, defoaming cleaning concentrate             | x  | x  | x  | x    | x     | o   | x     | o      | Danger      |    |
| <b>Solvent based cleaners</b>   |   |    |    |    |      |       |     |       |        |             |   |
| <b>SolventClean 3D</b>          | Strong, high flash point, universal application             | x  | x  | x  |      | x     | x   | x     | o      | Warning     |    |

X= Applies | O = Only after checking | \*defoamed | \*Ceramic | \*Plastic





## H- & EUH-phrases

Harmful if swallowed. Causes severe skin burns and eye damage. May cause respiratory irritation. May be corrosive to metals.

Harmful if swallowed. Causes severe skin burns and eye damage.

Harmful if swallowed. Causes severe skin burns and eye damage. May cause respiratory irritation. Harmful to aquatic life with long lasting effects. May be corrosive to metals.

Harmful if swallowed. Causes severe skin burns and eye damage. May be corrosive to metals.

Causes skin irritation. Causes serious eye irritation.

Causes severe skin burns and eye damage.

Causes serious eye irritation.






# Cleaning of immobile mixing tanks

## Dipping or spraying process



Permanently installed mixing tanks are usually cleaned by spraying. Here too, depending on the degree of soiling and surface, we offer solutions that make your cleaning quick, efficient and resource-saving.

| Product | Short description | UV | WB | SB | LF * | Steel | Alu | Cer.* | Plas.* | Signal word | Pictograms |
|---------|-------------------|----|----|----|------|-------|-----|-------|--------|-------------|------------|
|---------|-------------------|----|----|----|------|-------|-----|-------|--------|-------------|------------|

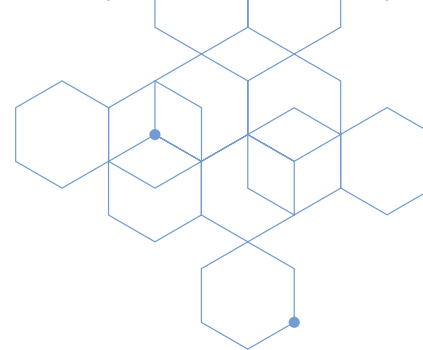
### Highly alkaline cleaners

|                     |   |   |   |   |   |   |  |   |   |        |   |
|---------------------|---|---|---|---|---|---|--|---|---|--------|---|
| <b>Paintex 3224</b> | Highly alkaline, for demanding cleaning tasks | x | o | x | x | x |  | x | o | Danger |   |
| <b>Paintex 839</b>  | Highly alkaline, foaming, economical          | x | x |   |   | x |  | x | o | Danger |    |
| <b>Paintex 2310</b> | Low odor, economical                          | x | o | x | x | x |  | x | o | Danger |   |

### Mildly alkaline cleaners

|                      |   |   |   |   |   |   |   |   |   |        |   |
|----------------------|---|---|---|---|---|---|---|---|---|--------|---|
| <b>InkClean 1010</b> | Mildly alkaline cleaner concentrate           |   | x |   | x | x |   | x | o | Danger |  |
| <b>InkClean PG</b>   | Mildly alkaline, defoamed cleaner concentrate | x | x | x | x | x | o | x | o | Danger |  |

X= Applies | O = Only after checking | \*defoamed | \*Ceramic | \*Plastic



#### H- & EUH-phrases

Harmful if swallowed. Causes severe skin burns and eye damage. May cause respiratory irritation. May be corrosive to metals.

May be corrosive to metals. Causes severe skin burns and eye damage.





Harmful if swallowed. Causes severe skin burns and eye damage. May be corrosive to metals.

Causes severe skin burns and eye damage. Contains iso eugenol. May produce an allergic reaction.

May be corrosive to metals. Causes severe skin burns and eye damage. Contains Reaction products of 1H-Imidazole-1-ethanol, 4,5-dihydro-, 2-(C11-17 and C17 un[1]satd. alkyl) derivs. and sodium hydroxide and 2-propenoic acid. May produce an allergic reaction.

## Thixotropization

The dome lid area of stationary preparation containers is difficult to clean. With the innovative Complement Thix, highly alkaline cleaners can be thixotropized: Spray on, leave to work, rinse off (high pressure), clean.





| Product      | Short description                      | UV | WB | SB | LF * | Steel | Alu | Cer.* | Plas.* | Signal word | Pictograms  |
|--------------|--|----|----|----|------|-------|-----|-------|--------|-------------|---|
| Paintex 1998 | Highly alkaline, thixotropicable       | x  | o  | x  | x    | x     |     | x     | o      | Danger      |   |
| Paintex WT   | Low odor, for demanding cleaning tasks | x  | x  | x  | x    | x     |     | x     | o      | Danger      |   |

### Thixotropic agent

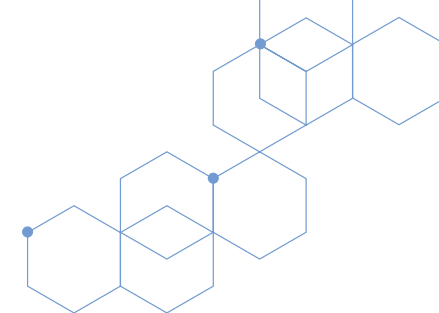
|                 |                               |  |  |  |    |  |  |  |   |  |  |
|-----------------|-------------------------------|--|--|--|----|--|--|--|---|--|--|
| Complement Thix | Powdered thixotropic additive |  |  |  | FP |  |  |  | o |  |  |
|-----------------|-------------------------------|--|--|--|----|--|--|--|---|--|--|

## Cleaning of residues from pigment powders

Effective and efficient cleaning is also essential in the production of pigment powders. We carry special products that clean your production systems quickly and easily.

| Product          | Short description              | UV | WB | SB | LF *   | Steel | Alu | Cer.* | Plas.* | Signal word | Pictograms  |
|------------------|--------------------------------|----|----|----|--------|-------|-----|-------|--------|-------------|---|
| SolventClean 50  | Economical, for pigment powder |    |    |    | 77°C   | x     | x   | x     |        | Danger      |   |
| SolventClean 175 | Strong, for pigment powder     |    |    |    | > 62°C | x     | x   | x     |        | Danger      |   |

X= Applies | O = Only after checking | \*defoamed | \*Ceramic | \*Plastic



#### H- & EUH-phrases

Harmful if swallowed. Causes severe skin burns and eye damage. May cause respiratory irritation. May be corrosive to metals.

Harmful if swallowed. Causes severe skin burns and eye damage.

Does not require a hazard warning label, but the normal safety precautions for handling of chemicals must be observed.

#### H- & EUH-phrases

Causes serious eye irritation. May be fatal if swallowed and enters airways. Repeated exposure may cause skin dryness or cracking.

Causes serious eye irritation. May cause an allergic skin reaction. Causes damage to organs through prolonged or repeated exposure. May be fatal if swallowed and enters airways. Harmful to aquatic life with long lasting effects. Repeated exposure may cause skin dryness or cracking.







# Parts cleaning

## Machine



Whether pump parts, attachments or other removable machine parts: We clean demanding paint residues of all paint systems from your parts. Here too, we offer water-based or high-boiling solvent-based systems. They are optimized for use in automatic parts cleaning machines or for manual application. In machine application, our cleaners have a strong anti-foaming effect.

| Product | Short description | UV | WB | SB | LF * | Steel | Alu | Cer.* | Plas.* | Signal word | Pictograms |
|---------|-------------------|----|----|----|------|-------|-----|-------|--------|-------------|------------|
|---------|-------------------|----|----|----|------|-------|-----|-------|--------|-------------|------------|


### Highly alkaline cleaners

|                     |  |   |   |   |   |   |  |   |   |        |   |
|---------------------|--|---|---|---|---|---|--|---|---|--------|---|
| <b>Paintex 3224</b> | Highly alkaline, for demanding cleaning tasks      | x | c | x | x | x |  | x | o | Danger |   |
| <b>Paintex WT</b>   | Low odor, for demanding cleaning tasks             | x | x | x | x | x |  | x | o | Danger |   |
| <b>Paintex 1967</b> | Highly alkaline, for very demanding cleaning tasks | x | o | x | x | x |  | x | o | Danger |   |

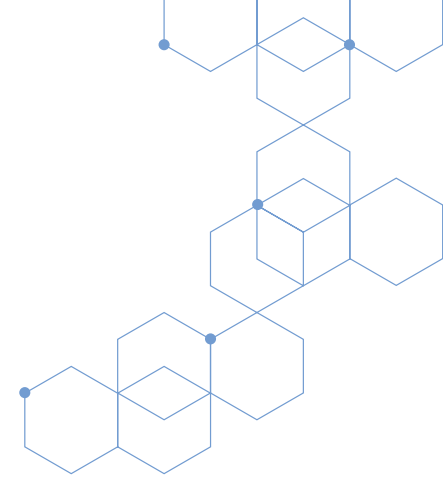
### Mildly alkaline cleaners

|                      |   |   |   |   |   |   |   |   |   |         |   |
|----------------------|---|---|---|---|---|---|---|---|---|---------|---|
| <b>InkClean LF</b>   | Mildly alkaline, extremely low-foaming cleaning concentrate |   | x |   | x | x |   | x | o | Warning |  |
| <b>InkClean 2980</b> | Mildly alkaline, defoaming cleaning concentrate             | x | x | x | x | x | o | x | o | Danger  |  |

### Solvent based cleaners

|                        |   |   |   |   |  |   |   |   |   |         |   |
|------------------------|---|---|---|---|--|---|---|---|---|---------|---|
| <b>SolventClean 3D</b> | Strong, high flash point, universal application | x | x | x |  | x | x | x | o | Warning |  |
|------------------------|---|---|---|---|--|---|---|---|---|---------|---|

X= Applies | O = Only after checking | \*defoamed | \*Ceramic | \*Plastic



#### H- & EUH-phrases

Harmful if swallowed. Causes severe skin burns and eye damage. May be corrosive to metals.

Harmful if swallowed. Causes severe skin burns and eye damage.

Harmful if swallowed. Causes severe skin burns and eye damage. May cause respiratory irritation. Harmful to aquatic life with long lasting effects. May be corrosive to metals.

Causes skin irritation. Causes serious eye irritation.

Causes severe skin burns and eye damage.

Causes serious eye irritation.




## Ultrasonic


Parts with rigid surfaces and complex geometries can be cleaned particularly effectively with ultrasonic waves. A combination of a specially formulated cleaning agent and high-frequency sound waves is used. Our ultrasonic cleaners are highly effective concentrates whose dosage can be flexibly adjusted depending on the difficulty of the cleaning task. This ensures thorough and gentle cleaning, which extends the service life of the parts and maintains their functionality.

| Product                         | Short description                                   | UV | WB | SB | LF * | Steel | Alu | Cer.* | Plas.* | Signal word | Pictograms  |
|---------------------------------|---|----|----|----|------|-------|-----|-------|--------|-------------|---|
| <b>Highly alkaline cleaners</b> |   |    |    |    |      |       |     |       |        |             |   |
| <b>AniClean R3</b>              | Highly alkaline cleaner for ultrasonic applications | x  | o  | x  | x    | x     |     | x     | o      | Danger      |  |


### Mildly alkaline cleaners

|                      |                                      |   |   |   |  |   |  |   |   |        |   |
|----------------------|--------------------------------------|---|---|---|--|---|--|---|---|--------|---|
| <b>InkClean 1010</b> | Mildly alkaline, cleaner concentrate | x | x | x |  | x |  | x | o | Danger |  |
|----------------------|--------------------------------------|---|---|---|--|---|--|---|---|--------|---|

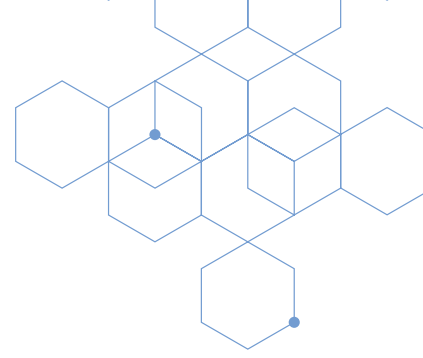
## Aluminum/non-ferrous metal paint stripping by dipping

| Product                         | Short description           | UV | WB | SB | Ent. | Stahl | Alu | Cer.* | Plas.* | Signal word | Pictograms  |
|---------------------------------|-----------------------------|----|----|----|------|-------|-----|-------|--------|-------------|---|
| <b>Highly alkaline cleaners</b> |                             |    |    |    |      |       |     |       |        |             |   |
| <b>Paintex AW</b>               | Water free, highly alkaline | x  |    | x  |      | x     | x   | x     | o      | Danger      |  |

### Mildly alkaline cleaners

|                     |                             |   |   |   |  |   |   |   |   |        |   |
|---------------------|-----------------------------|---|---|---|--|---|---|---|---|--------|---|
| <b>InkClean AEM</b> | Water free, mildly alkaline | x | x | x |  | x | x | x | o | Danger |  |
|---------------------|-----------------------------|---|---|---|--|---|---|---|---|--------|---|

X= Applies | O = Only after checking | \*defoamed | \*Ceramic | \*Plastic



#### H- & EUH-phrases

Harmful if swallowed. Causes severe skin burns and eye damage. Suspected of damaging fertility. Suspected of damaging the unborn child.

Causes severe skin burns and eye damage. Contains iso eugenol. May produce an allergic reaction.

#### H- & EUH-phrases

Causes severe skin burns and eye damage. May cause damage to organs through prolonged or repeated exposure. Harmful if swallowed or if inhaled.

Causes severe skin burns and eye damage.

# Our modular system

We want to reduce emissions and offer our customers the best solutions.  
We achieve both at the same time with our modular system.



## Individual formular

You adapt your composition to your local conditions, e.g. water hardness or contamination.





## Low transportation costs

Our high concentrates can significantly reduce logistics costs as less water needs to be transported.

## This is how it works:

You provide the potassium hydroxide solution and water, and we add our modular additives in your individual mixing ratio:

| Product                  | Short description   | Pictograms  | Signal word | H- & EUH-phrases  |
|--------------------------|---|---|-------------|---|
| <b>Complement L 2304</b> | Cleaning booster  |    | Danger      | Harmful if inhaled. Causes severe skin burns and eye damage. May cause respiratory irritation. Harmful to aquatic life with long lasting effects. |
| <b>FoamEx Universal</b>  | Powerful silicone defoamer  |   |             | Contains 2-Methyl-2H-isothiazol-3-one. May produce an allergic reaction.  |
| <b>Complement K 3475</b> | Cleaning-enhancing complexing additive  |   |             | Does not require a hazard warning label, but the normal safety precautions for handling of chemicals must be observed.                            |
| <b>InCorr 2238</b>       | Temporary corrosion inhibitor for steel   |   |             | Does not require a hazard warning label, but the normal safety precautions for handling of chemicals must be observed.                            |
| <b>InCorr 2879</b>       | Corrosion inhibitor for aluminum, zinc, copper in mildly alkaline cleaning baths (pH 10.5 - 12) |  | Warning     | Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation.  |

# Power Wipes

Nothing beats the dirt like Power Wipes!

The user-friendly industrial wipes in the handy can make short work of stubborn dirt such as grease, soot and paint in no time at all. Fast and very effective!

Power Wipes Heavy Duty are quick and easy cleaning wipes for removing grease, oil, ink, toner, wet paint, brake dust, dirt, felt-tip pens, tar, glue, resin and various other types of dirt that are difficult to remove. An excellent alternative to aggressive chemicals and solvents.

## Advantages

- Ready to use
- Recyclable cloth
- Viscose cloth
- No aggressive chemicals and solvents



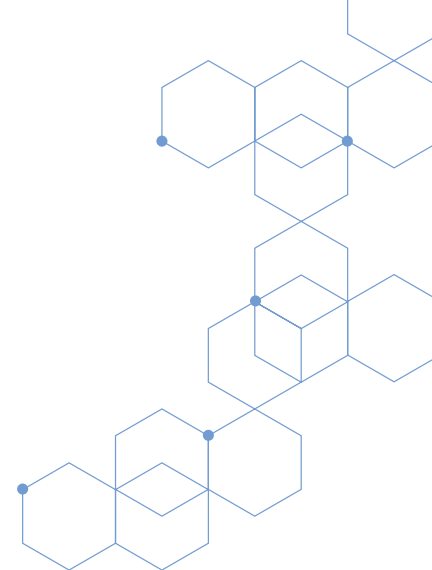
# Cleaning surfaces manually

Wherever paints and varnishes are used, paint splashes are inevitable. We have developed high-performance special products to remove these deposits quickly and easily. Our high-viscosity cleaners based on high-boiling solvents ensure that the active substance remains on the surface to be cleaned for a long time and is therefore highly effective. Label-free solvent cleaners are suitable for daily cleaning, naturally also with low emissions. For special cases and heavily dried, highly cross-linked residues, we recommend our water-free, highly alkaline cleaner InkClean Extra.

Material compatibility: all the cleaners listed below are suitable for steel, stainless steel, ceramic and non-ferrous metal surfaces. Always carry out a test on plastic surfaces.

| Product                      | Short description   | UV | WB | SB | LF * | Steel | Alu | Cer.* | Plas.* | Signal word | Pictograms  |
|------------------------------|---|----|----|----|------|-------|-----|-------|--------|-------------|---|
| <b>InkClean Extra</b>        | Anhydrous, highly alkaline, viscous, for very stubborn soiling              | x  | x  | x  |      | x     | x   | x     | o      | Danger      |    |
| <b>SprayCleaner Forte</b>    | Viscous, very good sprayability, solvent-based                              | x  | x  | x  |      | x     | x   | x     | o      | Warning     |    |
| <b>SolventClean QuickDry</b> | Quick-drying, replaces more strongly labeled products based on white spirit | x  | x  | x  |      | x     | x   | x     | o      | Danger      |     |
| <b>SolventClean Safety</b>   | Label-free, high-boiling, for demanding cleaning tasks                      | x  | x  | x  |      | x     | x   | x     | o      |             |   |

X= Applies | O = Only after checking | \*defoamed | \*Ceramic | \*Plastic



#### H- & EUH-Sätze

Harmful if swallowed. Causes severe skin burns and eye damage. May cause damage to organs through prolonged or repeated exposure.

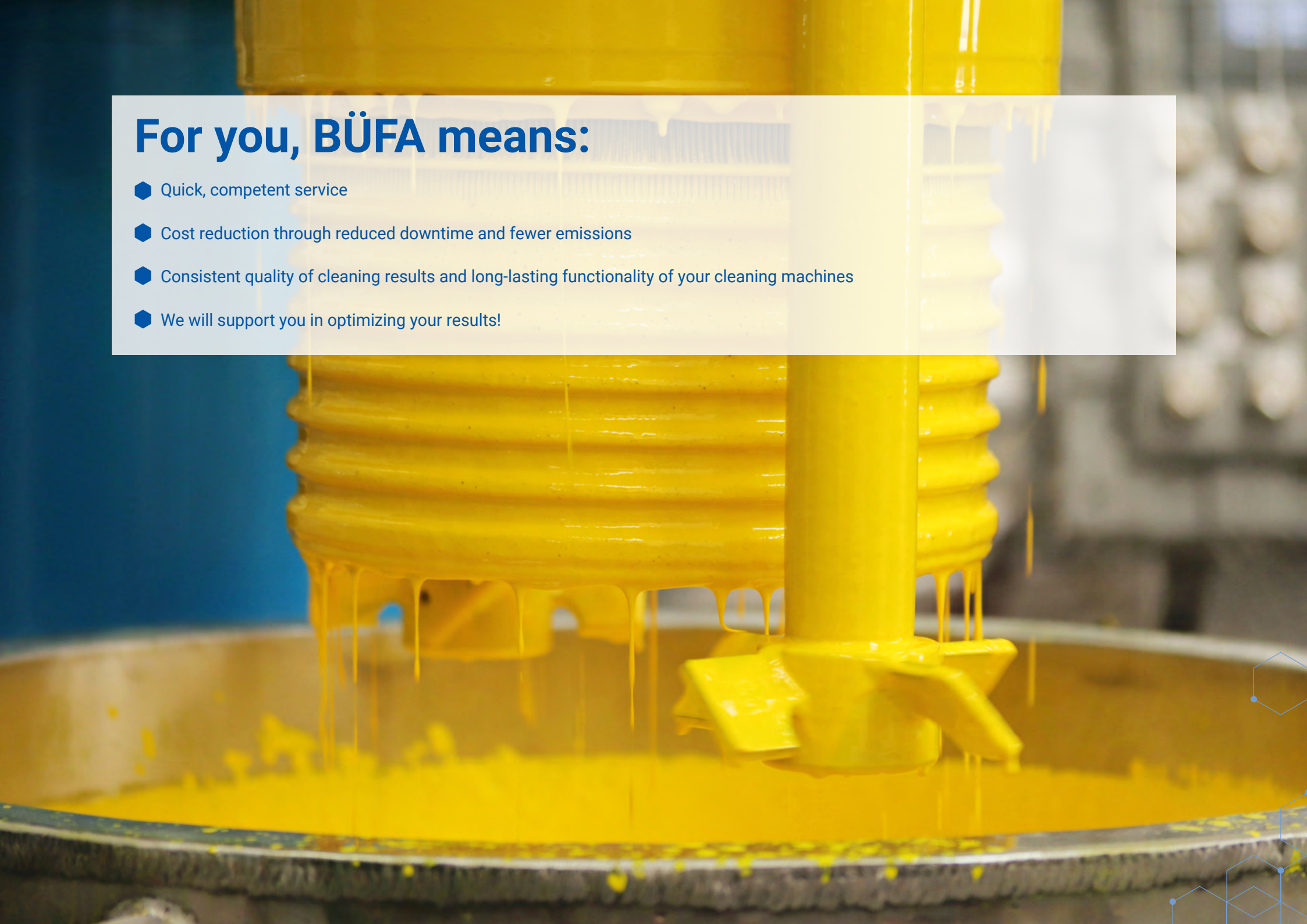
Causes skin irritation. Causes serious eye irritation.

Highly flammable liquid and vapour. Causes serious eye irritation. May cause drowsiness or dizziness.

Does not require a hazard warning label, but the normal safety precautions for handling of chemicals must be observed.

# For you, BÜFA means:

- ◆ Quick, competent service
- ◆ Cost reduction through reduced downtime and fewer emissions
- ◆ Consistent quality of cleaning results and long-lasting functionality of your cleaning machines
- ◆ We will support you in optimizing your results!





# What do you want to clean?

We specialize in particularly difficult cleaning tasks.

Challenges spur us on. Our aim is to reduce your time, costs and effort. We work with you to develop a solution to your problem. Every cleaning task is different. We see your systems, surfaces, contaminants, cleaning parameters and cleaning agents as a system and offer a solution tailored to them. If you cannot find your component or contamination here, please contact us. We will find a solution.

## More information:



## Your contact:

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**E-Mail:** [cleaning@buefa.de](mailto:cleaning@buefa.de)



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