

ECOPPOINT

TECHNICAL DATA SHEET

By nature,
for life

Eco-Point Group
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TECHNICAL DATA SHEET

Flexeco Plus. Powerful, specially developed biological cleaner for the removal of pigments, adhesives, inks and paints. Also suitable for use in the pharmaceutical and rubber industries.

Product description

Flexeco Plus is a concentrated, water dilutable cleanser based on fully biodegradable and natural surface active ingredients and detergents. The product also contains a biodegradable solvency booster, that supports more intensive cleaning. Besides the pharmaceutical and chemical industries, it is also extremely suitable in the printing industry for in-line cleaning of screen rolls in the flexo printing industry.

Through the combination of natural surfactants and the use of a biodegradable solvent, Flexeco Plus has a unique 2-in-1 solubility, making it a perfect alternative to abrasive alkalis and hazardous solvents.

Solution areas

- screen structures are increasingly dense which increases the amount of clogged cells
- ceramic anilox rollers get polluted easier than chrome plated rollers.
- thorough cleansing of the cells is necessary
- inks contain ever increasing amounts of pigments (the percentage of dry dust increases)
- maintenance means stagnation and thus loss of production
- production equipment becomes contaminated with residual adhesives
- machines, components, conveyor belts, chains, floors, etc. become contaminated with adhesive residues
- during production of inks and paints, contamination of machines, tools and equipment occurs.
- overhaul of ink, paint and adhesive mixing equipment requires a powerful cleaning agent
- pigments in the plastics industry (mixers and dosing equipment)
- hazardous solvents and alkalis are often used for cleaning (pharmaceutical industry)
- In rubber and associated industries, there are often brown deposits on cooling rollers and rollers. There is also often strong contamination of production surroundings.
- fast-evaporating solvents have a strong contribution to organic psycho syndrome.
- for cleaning paint and glue equipment (water-based), aggressive products are often used in ultrasonic equipment.

Sustainable solution

Flexeco Plus is a very powerful, concentrated cleanser that solves the problems mentioned above at places where people are allowed to use water. Using Flexeco Plus will result in a cleaner, safer and more pleasant working environment. Flexeco Plus is the revolutionary, fully biodegradable, multi-purpose solution to daily heavy cleaning jobs.

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Special advantages

- Flexeco Plus is fully biodegradable because of its naturally occurring surface-active ingredients and detergents.
- Regular use of Flexeco Plus LF results in prolonging the roller life and avoids unnecessary maintenance.
- Flexeco Plus keeps the cell volume optimal, when regularly used.
- Flexeco Plus contributes to a good ink transfer.
- Contains no harmful or aggressive solvents.
- Regular use of Flexeco Plus results in prolonging the roller life and avoids unnecessary maintenance.
- Flexeco Plus is safe to use in contradistinction to lye solutions.
- Safe on production equipment (cooling rollers and rollers) and also for glue, ink and paint spraying equipment.
- Contains raw materials that are also widely used in the food industry for cleaning (suitable for HACCP).
- Flexeco Plus is a multi-purpose product that substitutes various other products; in result, less different, often chemical, environmentally damaging cleaning products need to be stored.

Areas of application

Flexeco Plus can be applied for handling difficult-to-remove inks, paints and adhesives such as:

- removing ink, paints and adhesives from polluted printing presses and floors
- removing ink remnants from printing blocks
- cleaning curfew printing cylinders and rollers
- removing burnt residues and polymerisation products
- cleaning of storage silos and mixing and dosing equipment
- cleaning of equipment
- foaming of heavily contaminated equipment and boilers
- Flexeco Plus is very suitable for ultrasonic baths
- Flexeco Plus can be used in combination with foaming equipment

Remarks

Flexeco Plus must mainly be diluted with cold or lukewarm water. Using hot water will partly evaporate the active components, which may reduce the effectiveness of the product. Test first before using Flexeco on aluminium. When used at a high concentration the product may matt painted surfaces. Rinse with water or wipe with a wet sponge.



Flexeco Plus can play an essential role with her ISEGA approval for food processing companies that have to work according to HACCP standards. Contamination is a “critical point” and must be kept under close surveillance. Flexeco Plus contributes to a controlled working environment.

* Is an independent German research institute and issues certificates of fitness for cleaning products in the food industry.

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Product instructions

Flexeco Plus is based on naturally occurring surface-active ingredients that lower the surface tension in such a way that the product even cleans damaged and cracked surfaces by penetrating into the cracks and lifting out the dirt.

Flexeco Plus emulsifies the pollution, but only temporarily. When using an oil separator, the oil and pollution will separate again from the cleaning solution.

- Flexeco Plus can be diluted with water from 1:1 to 1:25*, depending on the nature and the intensity of the pollution. Consult your product advisor for the best dilution. A general indication for removing inks is pure to 1:10.
- Let the Flexeco Plus dilution circulate and brush (if necessary with a roller brush) in the mean time. After cleaning rinse with clean water.

The cleaning time of Flexeco Plus depends on two parameters:

- mechanical support from an industrial washing machine, by brushing or by using a poker increases the cleaning speed
- in general, a higher concentration will also speed up the cleaning process

* When diluted, we recommend using softened or de-mineralized water. Diluted solutions can be kept for only a few days.

Packing material

Eco-Point International products are packed in polyethylene H.D. or metal drums. When repeat orders are being delivered, used drums which are empty and not polluted are collected free of charge for recycling or reconditioning purposes. When incinerated, polyethylene has no harmful effect on the environment.

Eco-Point sprayers are made of PE or PET: light weight, little raw material per bottle, low production energy consumption, virtually unbreakable and therefore long life, little waste during production and recycling, no harmful substances when incinerated, 100% recyclable.