

Technical Datasheet



Trade name : PROLAQ L 300
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Description

PROLAQ L 300 is a high-performance cleaner for removing printing inks in maintenance and industrial cleaning applications. The product is suitable for cleaning screen printing frames and squeegees, as well as for cleaning components and equipment contaminated with printing inks in printing shops.

At an application temperature of approximately 30 °C or higher, **PROLAQ L 300** is characterized by low-foaming cleaning performance and enables efficient and economical cleaning. The ink and solid residues generated during the cleaning process can be separated from the cleaner through sedimentation. This allows the cleaner to be recirculated.

PROLAQ L 300 was developed specifically for use in the Bio-Circle **PTW 800 Eco** and is optimally tailored to its cleaning process.

Application

In heated machines, **PROLAQ L 300** may only be used diluted with water at a ratio of 30% to 50%. Care must be taken to ensure that the printing inks used do not lower the flash point of the cleaner.

In the **PTW 800 Eco**, the cleaner can be sprayed at a pump pressure of up to 4 bar and heated to a maximum temperature of 60 °C.

If the cleaner is heated without being sprayed - for example, in an ultrasonic bath or a heated immersion bath - it must be ensured that the temperature does not exceed 70 °C.

For cold applications - such as manual application, in **PROLAQ Compact** or **PROLAQ Auto**, or in the Bio-Circle **CLEAN BOX** - the cleaner can also be used undiluted.

The loosened printing inks collect at the bottom of the machines and equipment, where they form ink sludge. The proper functioning of float switches, temperature sensors, and heating elements must be checked regularly and ensured through appropriate cleaning. For larger amounts of accumulated printing ink, we also recommend using the Bio-Circle service packages.

Recommended concentrations (in volume %) for typical applications of the product:

PTW 800 eco (up to 60 °C)	30-50%	Ultrasonic devices (up to 70 °C)	30-50%	Heated dipping bath (up to 70 °C)	30-50%
Manual Application (ambient temperature)	100 %	PROLAQ Compact / PROLAQ Auto	100 %	Bio-Circle CLEAN BOX	100 %

Compatibility with common materials:

Stainless Steel / Steel		Aluminum		Non-ferrous metals	
Plastics / Seals		painted surfaces		galvanized surfaces	

Key to above table :

resistant	limited resistant	not resistant
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For delicate materials, please test the product on a sample or an inconspicuous area of the item before use. If you have any questions, we're happy to assist you.

Further information on the product's labeling, handling, and disposal is available in the safety data sheet.

Environmental Aspects

PROLAQ L 300 is not classified as a hazardous substance under current regulations and contains 20.9% VOCs as defined by the EU. When used in a diluted form, the VOC content in the cleaning fluid is reduced accordingly. Since the cleaning fluid can be recirculated and reused multiple times, a positive environmental impact is expected.

Classification according to Regulation (EC) No.1272/2008 [CLP]

Not classified according to CLP regulation. Contains benzyl alcohol. May produce an allergic reaction.

Transport information

No dangerous goods according to the transport guidelines.

Water hazard class (Classification according to AwSV)

Water hazard class: 1 (Slightly hazardous to water).

Order information

A500913 Re-PET Bottle 500 ml
A020913 Jerry can 20 l

A200913 Drum 200 l
A100913 IBC 1000 l