



Autoprint Formula Solution Pvt. Ltd.

# Alphacare 805 IPA Alternative

Alternative to IPA for fountain solutions that normally run at high alcohol levels

February 2022

## Product Description

Isopropyl Alcohol (IPA) is a common additive to fountain solution to reduce the surface tension of water and opens the scope of dampening (water-bandwidth).

This substitute of isopropyl alcohol can be used in combination with all standard fountain solutions at a dosage of 1%-5% depending of press type, paper quality, ink and job character.

For the sake of an alcohol-free press room *Alphacare 805* is an adequate substitute for IPA fulfilling the same purpose as IPA.

The dosing of IPA replacement is between 1% - 5% and thus very economic compared to alcohol dampening systems where alcohol dosing is beyond 5%.

## Properties and utilization:

- Low consumption: an average of 60% less than the current IPA consumption.
- Maintains and improves all the traditional qualities of isopropyl alcohol.
- Reduces surface tension for a better ink/water-balance.
- Increases the viscosity of the wetting solution for a better hydrodynamic behavior in the offset process.
- Improves the acceptance of water in the offset ink.
- Significant reduction of volatile vapors (VOC) due to its low consumption.
- Recommended for use with standard fountain additives designed to be used in combination with an alcohol dosage of more than 5%.
- Alphacare 805 is dosed with isopropyl alcohol dispensers existing and on all machines.

## Features

- The fluid has a flash point of >12°C and its scant volatile organic components effectuate limited evaporation in the press room.
- On some substrate, the replacement of IPA can improve print quality such as enhanced contrast and gloss.

## Technical data

Physical properties		Compatibility of inks		Compatibility of plates	
Dosage	1,0% – 5,0%*	Conventional inks	Yes	Thermal plates	all brands
		Metal inks	Yes*	Violet plates	all brands
		UV-inks	Yes*	Conventional plates	all brands
	*Depending on type of machine, ink, paper quality and type of job.	*Provided the right fount is applied. Please see TDS for “QF 1010 SF” and “QF 1020 SF”		Some plate brands allow smaller “water-bandwidth” than others thus react more sensitive to water uptake variation.	



Autoprint Formula Solution Pvt. Ltd.

### Storage/handling/packing

Storage and handling	<ul style="list-style-type: none"><li>• Store at moderate temperatures (8 - 40°C).</li><li>• The usage of safety gloves is recommended.</li><li>• Keep container tightly closed.</li><li>• Keep away from direct sun light.</li></ul>
Shelf life	12 months after the date of manufacturing
Packing	10/20/200 litre can/container
Caution	avoid contact with skin and eyes

### Usage and product-instructions

When accustomed to alcohol added printing a quick switch to an alcohol-free process might be a challenge. To achieve the transformation fast, prepare the process metrically. Flush the piping system where the fountain solution circulates and get all residuals and impurities eliminated.

Most presses are equipped with automatic dosing systems. Use the dosing unit that was previously applied for alcohol supply and feed *Alphacare 805 IPA alternative* at 1% to 5% to the ready-to-use fountain solution tank.

To get accustomed with the alcohol-free process by implementing IPA replacement, it is appropriate to proceed step by step to get to the right dosing level in a test run.

We recommended to take *Alphacare 805 IPA replacement* in combination with our fountain solutions like *Alphafount SF 110* or *Alphafount SF 120*.

**Attention:** A too high or too low dosage of *Alphacare 805 IPA alternative* may cause printing difficulties. The ink-water balance may be affected ending in dysfunctional ink split.

### Contact details

**AFOSOL**      Autoprint Formula Solution Pvt. Ltd.  
Office:        No 7, North Huzur Road, Coimbatore 641018  
Support:      Phone +91 422 221 2416/+91 422 221 6750  
E-mail:        [support@afosol.com](mailto:support@afosol.com)  
Webpage:     [www.afosol.com](http://www.afosol.com)