

Concentrated Dampening Solution for Offset Printing

FS-605

FS-605 offers excellent ink-water balance and consistency stability in UV printing. It inhibits excessive emulsification and enables stable printing on wide range of materials, such as paper, and non-absorbent stocks like films.

■ Features

- ▶ Its excellent preservation of water film enables to minimize the amount of dampening solution during printing. It particularly minimizes UV ink related printing problems.
- ▶ Wide ink-water balance enables stable printing on non-absorbent stocks like films.
- ▶ It can also be used for sheet-fed printing with oil-based inks.
- ▶ Excellent desensitization of non-image area enables superior reproduction of halftone.
- ▶ It is free of chemicals that fall under Organic Ordinance of Occupational Safety and Health Act.

■ Usage

- ▶ 1~3% is the optimum concentration for printing.
- ▶ As a guideline, keep concentration to 2% in non-alcohol use.
- ▶ Though pH control method can be used for controlling concentration of FS-605, using a fixed amount of solution control method is recommended. Refer to following physical property values when pH method is adopted. (Physical property of tap water differs with the area. Contact our Technical Section when pH is used for concentration control.)

<Physical Property Values of FS-605>

	1% Tap Water Dilution	2% Tap Water Dilution	3% Tap Water Dilution
pH	4.5~5.0	4.0~4.6	3.8~4.2
Conductivity (mS/cm)	0.55~0.75	0.90~1.10	1.15~1.35

■ Usage Instructions

- ▶ Mixing FS-605 with commonly used fountain solutions (H Liquid) makes it less effective.
- ▶ In some cases, due to its wetting property the water requirement differs from that of commonly used fountain solutions (H Liquid). Therefore, determine minimum print-water supply before starting to print.

■ Handling Instructions

- ▶ It is an inflammable product. Avoid high temperature, spark, and fire.
- ▶ If it gets on the skin, immediately wash it off with soap and water or hot water.
- ▶ If it gets in the eyes, immediately flush them with plenty of water for more than 15 minutes. Consult an ophthalmologist.

- ▶ FS-605 falls under Fire Service Law hazardous material type 4, type 3 petroleum product, water soluble liquid of hazardous class III.

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- ▶ The data contained herein are based on the results of the tests conducted in accordance with the in-house test methods, and are not standard values. Always conduct pre-use tests to ascertain the suitability of the product to your requirements. Nothing contained herein is to be construed as a recommendation for use in violation of any patents, applicable laws or regulations. It is the responsibility of the user to comply in all respects with applicable laws and regulations.
- ▶ Owing to product improvement the information contained herein may be modified without any prior notice.
- ▶ Make sure to read MSDS thoroughly before using the product.