

## ALPHA™ FS TECHNICAL DATA SHEET

### Description

ALPHA™ FS Multi-Press Fountain Solution is on the forefront of the latest innovations in high performance, environmentally safe fountain solutions. ALPHA™ FS is extremely versatile and performs great with UV or conventional ink and works on multiple press types and press sizes. Its special formula helps prevent the build up of calcium, clay and paper fibers on rollers and blankets, resulting in cleaner, sharper print without the need for alcohol or an alcohol substitute.

This amazing fountain solution will increase your ink's print quality, is completely biodegradable and contains NO VOCs, making it a highly productive, safe and sustainable choice for your pressroom and the environment.

### Application Information

Safety First - Review Safety Data Sheet (SDS) and secure proper Personal Safety and Protective Gear.

#### To Use:

1. The dampening system must be cleaned and flushed before using ALPHA™ FS.
2. Mix at a ratio of four (4.0) to five (5.0) ounces of ALPHA™ FS per one (1) gallon of water; 4-5 oz/Gallon.
3. ALPHA™ FS conductivity should be in a range of 900-1400 above water
4. Because ALPHA™ FS contains no organic solvents, ink emulsification is reduced. The resulting print shows sharpness, gloss, and accelerated drying.
5. ALPHA™ FS does not require R.O. or refrigerated water.
6. Check all roller settings against manufacturer's specifications. Start ink setting at level that is 15% below normal setting and keep stripes to light side of specs.
7. If problems appear, check Shore A hardness of rollers.

### Typical Properties of ALPHA™ FS

VOC = Zero

Color = Amber/Tan

Flashpoint = Greater than 200°F

Odor = Mild Acidic

Reportable Ingredients = None/Zero

## Advantages and Benefits

- ALPHA™ FS contains **NO** VOCs. No organic compounds such as alcohol or alcohol substitutes are in the fountain solution, meaning a safer pressroom environment.
- ALPHA™ FS eliminates the dependency of having to add dangerous alcohol or alcohol substitutes; they are not needed.
- ALPHA™ FS is biodegradable.
- ALPHA™ FS works efficiently with all types of inks on all types of presses, including sheet-fed, cold and heat-set webs and duplicator presses that use both metal and poly plates.
- ALPHA™ FS is specially formulated to keep the dampening system cleaner than other fountain solutions do.
- Inks print stronger and usually have to be cut back when using ALPHA™ FS. The result is denser blacks, brighter colors, and less use of ink which lowers your production costs.
- ALPHA™ FS allows for quicker and cleaner start-ups.
- Inks dry faster with ALPHA™ FS. Without alcohol or alcohol substitutes to break down the ink, less water is emulsified resulting in faster drying ink.
- ALPHA™ FS does not contain chrome, phosphates or ammonia bichromate.
- ALPHA™ FS is non-hazardous, non-toxic and non-carcinogenic as determined by NTP, IARC, OSHA and Prop 65.

## Packaging

ALPHA™ FS is available in quantities of 1 gallon, 5 gallons and 55 gallons.