

Product Technical Data Sheet

Date 18.07.13

DM171

Chemfix CR

Description

A sheetfed/web offset fountain solution designed to work well in areas of high water hardness.

Properties of neat solution

- Excellent ink/water control.
- Highly buffered fount for consistent results.
- Contains anti-calcium additives to reduce build up in dampening system particularly in hard water areas using local tap water.
- Contains anti-microbial additives.
- Corrosion inhibited.
- Suitable for most water qualities including RO

| | |
|----------------------------|----------------|
| pH: | 4.7 – 5.5 |
| Colour | Green |
| Recommended Dosage | 2 – 4% |
| Density / Specific Gravity | 1.05 +/- 0.020 |
| Alcohol Requirement | 5-12% typical |

Machine / Systems

- For use on both sheet-fed offset mainly.
- Reduces calcium build up in hard water areas.
- Also suitable for typical water hardnesses.
- Suitable for use with most modern day plate technology, including CTP and Polyester plates.
- Can be used with conventional, hybrid and UV ink systems.

Monitoring Dosage

Detailed below are ph and conductivity readings expected based on dosages into distilled water to help guide the press operator during use.

| Dosage | Ph @ 20°C | Conductivity @ 20°C |
|--------|-----------|---------------------|
| 1% | 4.88 | 461ms |
| 2% | 4.86 | 827ms |
| 3% | 4.84 | 1149ms |
| 4% | 4.82 | 1482ms |

Recommendations

We fully recommend conducting a full dampening system flush, empty the tanks, clean all blankets and rollers and plates before using our products, to ensure all potential contamination is removed prior to running our founts.

It is recommendable to gradually reduce the percentage of alcohol used down over time until the optimum low level is achieved.

Monitor ph and conductivity for excessive fluctuations to monitor contaminants entering the system.

Maintain system with periodical cleaning to ensure a highly sterile environment is maintained.

Storage, Shelf Life and Health and Safety

- Store in temperatures not exceeding 30°C and not falling below 5°C!
- Store on either pallets or racking in order to protect from cold floors.
- If left unopened and kept in the correct conditions this product has a shelf life of 12 months.
- Stir well before use

Labeling: GHS07: Exclamation Mark

Usage: Will not give rise to any significant hazard provided reasonable standards of industrial practice are maintained.

Disposal: Please dispose of appropriately according to local/national/regional guidelines for waste disposal. DO NOT FLUSH INTO WATERCOURSE.

Note

The information contained in this data sheet corresponds with our current knowledge and experience. The liability for the application and processing of our products lies with the buyer, who is also responsible for observing the third party rights. We reserve the right to alter any of these details as a result of technical or manufacturing developments.

For any further information please contact the technical department at ECS (Nottingham) LTD