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# FABconc B1-F&D

## TECHNICAL DATA SHEET

### DESCRIPTION

**FABconc B1-F&D** is a **Fabric Softener liquid – Concentrate**.

This paste concentrate consists of Cationic surfactants, Fragrance, Water Conditioners, Colour, Sterilizers, and Preservative. It dissolves in 15 minutes in cold water (+20° C) with vigorous agitation. Once fully dissolved, it produces a finished Fabric Softener liquid comparable with industry standards.

### FORMULATION/COMPOSITION

**FABconc B1-F&D** recommended Dilutions:

- 1: 22.5(4%) - Economy Product
- 1:15.6 (6.0%) – Standard Product
- 1:12.5 (8%) - Premium Product

### PHYSICAL & CHEMICAL PROPERTIES

<b>Form</b>	Viscous Liquid
<b>Colour</b>	Dark Blue, translucent
<b>Odour</b>	Lavender
<b>pH (as manufactured)</b>	5.5 – 6.0
<b>Active Content</b>	Cationic 80%
<b>Viscosity</b>	8 000cps @ 25°C Brookfield RVT #3 Spindle @ 20 RPM
<b>Precautions</b>	May cause irritation due to high concentration.
<b>Handling</b>	Non-Flammable. Keep containers closed to prevent ingress of water. Due to the highly concentrated nature of the product it is recommended that processing staff wear gloves, eye protection & respiration apparatus when handling the raw concentrate.
<b>Packing</b>	20 Kg Bucket - Polypropylene 200 Kg Open top drum – High Density Polyethylene

### MANUFACTURER/SUPPLIER

Ecwamix Chemical Systems (Pty) Ltd  
3 Granville Avenue Lea Glen Rodepoort, Gauteng South Africa

**Information**  
Tel: (o/h) +27 011 472 2256 Fax: +27 011 472 2121  
E-mail: ecwamix@netactive.co.za

**Emergency contact:**  
Office hours: 011 472 2256



### SAFETY & HANDLING

Always consult the Material Safety Data Sheet before Use



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PRODUCT CODE  
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### Dilution Chart: FABconc B1-F&D (Fabric Softener)

Batch Size (in Litres)	Economy		Standard		Premium	
% USE	4%		6%		8%	
RATIO	1:22.5		1:15.7		1:12.5	
Batch Size that you wish to make (in Litres)	Conc	Water	Conc	Water	Conc	Water
2	0.08	1.92	0.12	1.88	0.16	1.84
5	0.2	4.8	0.3	4.7	0.4	4.6
10	0.4	9.6	0.6	9.4	0.8	9.2
20	0.8	19.2	1.2	18.8	1.6	18.4
50	2	48	3	47	4	46
100	4	96	6	94	8	92
200	8	192	12	188	16	184
250	10	240	15	235	20	230
300	12	288	18	282	24	276
500	20	480	30	470	40	460
1000	40	960	60	940	80	920
2000	80	1920	120	1880	160	1840
3000	120	2880	180	2820	240	2760

### DISCLAIMER / NON-WARRANTY

This product has been subjected to limited tests and has been shown to perform well. The information contained herein is to our best knowledge true and accurate, but since the conditions of use are beyond our control, Ecwamix Chemical Systems cc. disclaims any liability in connection with the use of this product and/or information. Warranty extends only as far as to the replacement of material shipped if not compliant with the specification as set out in the attached "Certificate of Analysis" and within the expiry period of the said product. All recommendations or suggestions are made without guarantee. It is good practice to conduct one's own application tests on a small area prior to using the product.



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### PROPERTIES/APPLICATIONS/USE

Using the chart above, first decide on the size of the batch that you wish to make (Batch Size column).

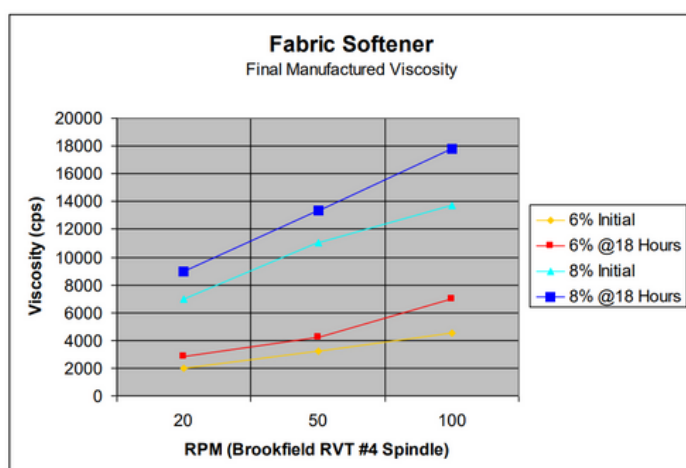
Now decide on the dilution (strength) of your finished product (% Use rows across the top).

Let's assume you decide to make 200 Litres of **Standard Fabric Softener** at a strength of 1:15.7 (6%). If you look across from the number **200**, in the Batch Size block, to the Conc column under **1:15.7** you will see that you need **12Kg** of **FABconc B1-F&D**. The Water column to its right tells you that you need **188 Litres of water**.

1. Using your scale, weigh 12Kg of **FABconc B1-F&D** into a bucket.
2. Fill the mixing tank with 188 Litres/Kg of cold Water (+- 20° C).
3. Place your mixer in the mixing tank and start it running at a high speed.
4. Now pour in the **FABconc B1-F&D**, scraping out as much from the bucket/s as possible. Leave the mixer running for 5-10 minutes.

**Congratulations, you have just manufactured your first batch of Fabric Softener!**

### FINISHED PRODUCT – VISCOSITY ANALYSIS



A Fabric softener functions with a very low active content. It is so low that it usually does not contribute any viscosity to the product. Since a consumer is unlikely to purchase a 'watery' product, most Fabric Softeners usually contain a far higher level of active matter, just to give the product some 'body'. This practice makes it difficult to formulate an economical product that has the same 'body'. Our product incorporates an auxiliary thickener to ensure that your end product will always appeal to your consumer.

Another technical requirement is that of the Fragrance system. Most manufacturers of economy Fabric Softeners simply choose the cheapest fragrance available, it may have a good 'Top Note', but it will cease

to be noticeable long before the laundry has even dried! The solution we employ, is to use a specially formulated fragrance that has more 'Base Note', although more expensive, it satisfies consumer demand for "Clean Smelling" laundry.

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