



# MapleSolutions

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## **TECHNICAL BULLETIN**

### **STATEMENT OF USE**

**MA-SOFT QB BASE** is an 85% active quaternary base recommended as a base for a typical soft buttery hand. The emulsion prepared from **MA-SOFT QB BASE** will give a soft hand with good low yellowing properties, provide minimal color bleed properties and resin compatibility. **MA-SOFT QB BASE** emulsion can be applied by exhaust or pad method.

### **TYPICAL PROPERTIES**

Appearance:	Off-white solid wax
Activity:	85%
Melt Point:	Approximately 120°F

### **Emulsion Preparation Procedure:**

#### **Precautions:**

To insure consistent product, the **MA-SOFT QB BASE**, if melted before use in dilution should not be heated longer than necessary to maintain thermal integrity of the product. Due to the variation in mix vessel designs and set-ups it may be necessary to modify this procedure.

#### **Procedure:**

- 1) Heat water to 120 – 130° F. before adding **QB BASE**.
- 2) Add **QB-BASE** and mix well.
- 3) Product should be moderately viscous at this point and should be stirred until smooth.
- 4) Agitation should be maintained to provide good movement, but do not allow a vortex that will mix air into the dilution.

**NOTE:** *If a concentrate is being made, ie. 12 - 15%, an ethoxylated surfactant with 2 - 9 moles of ethylene oxide or salt will be needed at a 0.25 - 1 % level to reduce the viscosity. If the viscosity is reduced at this point the same pattern will be seen without an additive, but at a much lower viscosity. Any additive to reduce viscosity should be added at this point.*

- 5) When the **QB BASE** has been completely dispersed, begin cooling
- 6) At 120° F. a slight increase in viscosity will occur.
- 7) At 100 – 110° F. a decrease in viscosity will occur and agitation will need to be reduced to prevent mixing air into the product.
- 8) At below 100° F. the dilution can be used or stored.

### **STORAGE AND HANDLING**

Normal precautions taken with all chemical auxiliaries should be used.

### **PHYSIOLOGICAL DATA**

For Industrial Use Only: The usual precautions in keeping chemicals from the eyes and skin and avoiding ingestion and prolonged inhalation of vapors should be observed.

While every care has been taken to ensure the accuracy of the information contained in this publication, no warranty or liability will be accepted as the conditions of usage are beyond our control. Product specifications can be provided upon request.

Our Technical Sales Department is available to assist customers in preparing formulae and procedures to suit their specific requirements. Production trials are recommended to determine effectiveness. Process information submitted by our customers will be treated in confidence.