WATER ENHANCER
TECHNICAL DATA SHEET –THICKENED PRODUCTS – PART 2

Ref: FSM 5160

Product Name: _____

Submitting Company: _____

Formulation Identification: _____

Mix Ratio Range: _____ lb/gal H_2O **OR** _____ gal/gal H_2O (Fill in one blank.)

If the submitted product is the result of a chemical reaction, provide information explaining the reaction process and typical residual quantities of the reaction ingredients. *(Attach a separate sheet if needed.)*

Provide the data, graphs, or tables listed below for each mix ratio for which evaluation has been requested.

Measure viscosity using a Brookfield rotational viscometer (or equivalent) at 60 rpm. Use spindle 2 for viscosities between1 and 500 centipoise and spindle 4 for viscosities greater than 500 centipoise.

1. **A graph of water enhancer mixture viscosity versus time since mixing, at a temperature test of 70 °F (21 °C). At a minimum, include viscosity at 10 minutes, 30 minutes, 60 minutes, 4 hours, 8 hours, and 24 hours, after mixing.**

2. **A table of enhanced water mixture viscosity versus temperature of water used for mixing. Viscosity shall be measured at 10 minutes, 30 minutes, 1 hour, and 24 hours following mixing. Temperatures of the tap water used for mixing shall be 40 °F (4 °C), 70 °F (21 °C), and 100 °F (38 °C).**

3. **A table of enhanced water mixture viscosity at 70 °F (21 °C), 1 hour and 24 hours following mixing, versus the mix ratio. Provide data for the product concentrations as follows: 0.25, 0.5, and 0.75 percent below the target mix ratio and 0.25, 0.5, and 0.75 percent above the target mix ratio. For example, if the target mix ratio is 2.0 percent, include data for solutions at 1.25 percent, 1.5 percent, and 1.75 percent, 2.0 percent, 2.25 percent, 2.5 percent, and 2.75 percent.**

4. **A table of hardness and conductivity versus viscosity of the enhanced water mixture at 70 °F (21 °C) for 10 minutes, 30 minutes, 45 minutes, and 1 hour after mixing.**

5. **Other data or information related to product stability and/or flow characteristics that might be helpful during the evaluation.**

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