

**Blend Tech Blending Procedure**  
**BTOAT**

**Date:** 3/9/21

**Document Description:** *Blending Procedure for BTOAT EG 50/50 Premix*

**Formulation:** @60°F

	<b>Lbs/gal</b>	<b>% by Volume</b>	<b>10,000 Gallon Blend Gal</b>
1. Ethylene Glycol	9.3081	47	4700
2. Demineralized Water	8.3462	50	5000
3. BTOAT	9.1983	3.00	300
<b>Coolant Total:</b>	8.9205	100.00	9900*

**Blend Procedure:**

1. Temperature of Water, EG and Inhibitor should be at least 60° F. Assure that the Inhibitor has been mixed until homogenous. Fluids should be combined gradually while the batch is being agitated.
2. To the specified amount of EG, slowly add in specified amount of demineralized water. Mix thoroughly. Assure that the pH of the water and the EG is 6.5-9.0.
3. Slowly add in specified amount of BTOAT blending syrup into the tank.  
Note: Drummed BTOAT must be stored @ 60°F or above. Should BTOAT crystallize in the drum due to low temperature storage, heat the drum to 80°F - 90°F, and mix thoroughly until crystals completely redissolve.
4. Mix further for at least one hour. Check for proper pH.

\* Total gallons do not add to 10,000 because volume shrinks when different liquids are mixed together.

**Quality Control Limits**

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**Product:** *BTOAT EG 50/50 Premix*

<b>Tests:</b>	<b>ASTM</b>	<b>Spec Limit</b>
Specific Gravity, 60°F	D-1122	1.065 - 1.080
pH	D-1287	7.8 - 8.5
Freeze Point	D-3321	-34°F max.
Nitrite	D-5827	375 - 425 ppm
Molybdate	D-5827	405 - 475 ppm