BlendTech Blending Procedure

Date: May 1, 2017

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

Formulation: *@60°F / 15.5°C*

		Relative Density		% by Weight	% by Volume
		mg/L	Lbs/gal		
1.	Ethylene Glycol	1.1155	9.3081	52.53	50.00
2.	Demineralized Water	1.0000	8.3462	44.98	47.75
3.	HOAT	1.2100	9.814	2.49	2.25
Coolant Total:		1.0608	8.86	100.00	100.00

Blend Procedure:

1. Determine temperature of EG in storage tank. If EG is measured by volume, take into account the changes of density at different temperatures. Maintain good mixing.

2. Slowly add in proper amount of demineralized water. Mix thoroughly.

3. Slowly pump in proper amount of HOAT blending syrup into the tank. Note: Drummed HOAT must be stored @ 60°F / 16°C or above. Should HOAT crystallize in the drum due to low temperature storage, heat the drum to 90°F / 32°C, and mix thoroughly until crystals completely redissolve.

4. Mix further for at least one hour. Check for proper pH and RA. Adjust as required.

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

Typical Certificate of Analysis

Date: *December 2009*

Product: *HOAT EG 50/50 Premix*

Tests:	ASTM	Spec Limit
Specific Gravity, 60°F	D-1122	1.060 – 1.080
pH	D-1287	10.1 - 10.8
Reserve Alkalinity, mL	D-1121	2.5 Min.
Freeze Point	D-3321	-37°C max.
Foam (Mil/Sec)	D-1881	100/3
Nitrite (as NO2-)	D-5827	1,200-1,400 ppm