

## **BlendTech Blending Procedure**

**Date:** March 9, 2021

**Document Description:** Blending Procedure for HOAT EG Concentrate

**Formulation:** @60°F / 15.5°C

|                       |                 | Relative Density |         | % by Weight | % by Volume |
|-----------------------|-----------------|------------------|---------|-------------|-------------|
|                       |                 | mg/L             | Lbs/gal |             |             |
| 1.                    | Ethylene Glycol | 1.1155           | 9.3081  | 95.68       | 96.00       |
| 2.                    | HOAT            | 1.2100           | 10.0967 | 4.32        | 4.00        |
|                       |                 |                  |         |             |             |
| <b>Coolant Total:</b> |                 | 1.1193           | 9.3396  | 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 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.
3. Mix further for at least one hour. Check for proper pH and RA. Adjust as required.

## **Typical Certificate of Analysis**

**Date:** December 2009

**Product:** HOAT EG Concentrate

| <b>Tests:</b>          | <b>ASTM</b> | <b>Spec Limit</b> |
|------------------------|-------------|-------------------|
| Specific Gravity, 60°F | D-1122      | 1.114 - 1.128     |
| pH                     | D-1287      | 10.2 - 10.8       |
| Reserve Alkalinity, mL | D-1121      | 5.0 Min.          |
| Freeze Point           | D-3321      | -37°C max.        |
| Foam (Mil/Sec)         | D-1881      | 100/3             |
| Nitrite                | D-5827      | 2,400-2,600 ppm   |