

### FUNCTIONAL V-840

#### Thickener and Tackifier for Glycol or Water-based Lubricants

##### APPLICATION:

**FUNCTIONAL V-840** is a liquid viscosity modifier and also provides tackiness to pure glycol solutions or glycol water solutions. This polymer is used to increase the viscosity of glycol or water-based products including industrial applications for lubricants, coolants, and emulsions.

##### COMPOSITION:

The active ingredient in **FUNCTIONAL V-840** is a non-hazardous polymer.

Typical properties	
Appearance (Visual)	Yellow liquid
Kinematic Viscosity	1,900 cSt at 100°C 29,000 cSt @ 40°C
Specific Gravity (g/mL)	1.07
Density (lb/gal)	8.9
Thickening Efficiency, 10wt% in Propylene glycol	13.4 cSt at 100°C 120 cSt @ 40°C Viscosity Index = 107

##### TREATMENT LEVEL:

Typical treat levels can range from 1 to 40wt% depending on the application. **FUNCTIONAL V-840** is soluble in water, propylene and hexylene glycol, and glycerol. It is up to the user to determine the suitability of the product for the intended application.

##### HANDLING:

**FUNCTIONAL V-840** is a liquid which can be heated up to 60°C (140°F) to facilitate handling. Use appropriate PPE such as eye wear and rubber gloves when handling. Consult the SDS before use.

This Technical Data Sheet and the Safety Data Sheet contain information believed to be accurate and reliable. No warranty is made, however, to information beyond the control of FUNCTIONAL PRODUCTS INC. The engineering and management personnel of the user are responsible for determining the suitability of this or any product for any specific application, and this information is offered to them for that purpose.