



## Prestone® Ultra-LC RTU Thermal Management Fluid

### Prestone EV-ULC-FC Ultra-Low Conductivity Fuel Cell TMF

#### Description

Prestone ultra-low conductivity (ULC) Thermal Management Fluid is formulated to meet the specific demands of PEM fuel cell applications. With a proprietary non-ionic inhibitor system, and no ash content, the fluid is produced at the ultra-low electrical conductivity of 1.5  $\mu\text{S}/\text{cm}$  making it the ideal fluid for PEM fuel cell thermal management.

#### Use

Prestone EV-ULC-FC is a pre-diluted, fuel cell thermal management fluid designed for use in stationary or mobile fuel cell systems. The ultra-low electrical conductivity minimizes the risk of shunt currents and promotes conversion of chemical energy to electrical energy with high efficiency while the non-ionic inhibitor technology protects the system components from corrosion. This thermal management fluid is supplied as a 50% formulation prediluted with ultra-pure water.

#### Storage and Handling

Store Prestone EV-ULC-FC in poly-lined or HDPE containers, at a maximum temperature of 30 °C. Minimize exposure to direct sunlight. Disposal should be done in accordance with local laws and regulations.

#### Physical Properties

Prestone EV-ULC-FC is offered as a ready-to-use 50% solution with optimal freeze/boil protection and low electrical conductivity of 1.5  $\mu\text{S}/\text{cm}$ .

Prestone EV-ULC-FC / YA-998	Result	Method
Appearance	Clear/Red	Visual
Electrical Conductivity @ 25 C ( $\mu\text{S}/\text{cm}$ )	1.5	ASTM D1125
Electrical Conductivity @ 90 C ( $\mu\text{S}/\text{cm}$ )	5.2	ASTM D5464
Freeze Point (°C)	-39.3	ASTM D1177
Boil Point (°C)	110	ASTM D1121
Kinematic Vis. 20 C, cSt	3.76	ASTM D5827
Kinematic Vis. -20 C, cSt	23.01	ASTM D6130
Ash	0.001	ASTM D6130