

## *Hartland Global AEL Universal Antifreeze & Coolant*

Hartland Global AEL Universal Antifreeze & Coolant is a premium quality antifreeze/coolant that is compatible with all automotive and light duty truck antifreeze/coolant products available in today's market. In automobiles, this antifreeze should provide service life in excess of 5 years or 150,000 miles. It is ideal for initial fills, coolant change-outs or top-offs. Hartland Global AEL Universal Antifreeze & Coolant not only guards against freezing and boil-over, it also provides critical protection against corrosion forming on system components, including aluminum.

### **FEATURES/ BENEFITS**

- For all makes and models of passenger cars and light duty trucks
- 5 years / 150,000 mile service life when used during complete drain and fill
- Excellent protection during high operating temperatures
- Protects against water pump cavitation
- Protects against corrosion
- Does not change color when added to existing fluid
- Contains bitterant for animal and child protection

### **RECOMMENDATIONS**

Hartland Global AEL Universal Antifreeze & Coolant is suitable for use where the following specifications are recommended:

- ASTM D-3306
- GM 6277M
- Ford WSS-M97B44-D
- Daimler-Chrysler DBL 7700 • Toyota TSK 2601
- VW TL774

## APPLICATIONS

Hartland Global AEL Universal Antifreeze & Coolant is recommended for all automotive and light duty truck cooling systems. Hartland Global AEL Universal antifreeze also comes pre charged with SCA (Supplemental Coolant Additives) making this product perfect for heavy duty diesel applications.

## SPECIAL HANDLING, NOTICES OR WARNINGS

Take precaution when handling all chemicals. Specifically, the work place must be well ventilated and safety glasses should be worn at all times. Avoid skin contact. These products contain bitterant, which reduces the chance of accidental ingestion. The products are based on monoethylene glycol and should be kept away from children and animals to prevent exposure.

Properties	Test Method	Concentrate	50/50 Pre-diluted
Appearance	N/A	Yellow	Yellow
Ash Content (% w/w)	ASTM D 1119	1.0 Max	1.0 Max
Freeze point as sold	ASTM D 1177	-84°F	-34°F
pH as sold	ASTMD 1287	10 - 11	10 - 11
Reserve Alkalinity (ml 0.1N HCL)	ASTM D 1121	4.0 min	4.0 min
Shelf Life (unused)	N/A	2 years	2 years
Silicon as silicate (ppm - Max)	ICP	135	135
Specific Gravity (156°C)	ASTM D 1122	1.050 - 1.065	1.060 - 1.080