

## Universal Extended Life Antifreeze/Coolant

### DESCRIPTION

Catalys® Universal Antifreeze/Coolant is a hybrid coolant with ethylene glycol. It is formulated for automotive and heavy-duty applications with diesel or gasoline engines. This antifreeze/coolant has a combination of conventional low silicate technology, nitrite and organic acid corrosion inhibitors commonly known as N-HOAT (Nitrited Hybrid Organic Acid Technology). This hybrid technology inhibitor provides excellent protection against wet sleeve liner pitting/cavitation and cooling system corrosion. It contains no phosphates. This product offers an initial service life of 100,000 km and up to 500,000 km with the addition of SCA (Supplemental Coolant Additives) every 50,000 km or 3 months or 250 hours. It is compatible with the coolants of the various manufacturers who use the N-HOAT technology.

### APPLICATION / BENEFITS

It meets the following specifications: ASTM D3306/4985, ASTM D6210, TMC RP-323, TMC RP- 364, TMC RP-329, Chrysler MS9769, GM1825M & 6277M, Ford M97B51-A1, JIS K2234, JASO M325, FVV HEFT R443, BS6580, ANFOR R15-601, Detroit Diesel 7SE298, International, SAE J1034 & J1942, ASTM D4340. It is designed for heavy-duty trucks, and most makes and models of automobile and light-duty trucks regardless of fuel type built by American, European or Asian OEMs.

PHYSICAL PROPERTIES	TEST METHOD	RESULTS
<b>Color</b>	-	Yellow
<b>Specific Gravity at 15°C</b>	ASTM D1122	1.13
<b>Freezing Point (diluted at 50% in water),°C</b>	ASTM D1177	-37
<b>PH (diluted at 5% in water)</b>	ASTM D1287	10.5
<b>Reserve Alkalinity, ml</b>	ASTM D1121	7.0
<b>Glassware Corrosion Test; (weight loss – mg/coupon)</b>	ASTM D1384 limit/metal:	
<b>Copper</b>	Less than 10 mg	2 mg (5X better than std)
<b>Solder</b>	Less than 30 mg	4 mg (7X better than std)
<b>Brass</b>	Less than 10 mg	1 mg (10X better than std)
<b>Steel</b>	Less than 10 mg	1 mg (10X better than std)
<b>Iron</b>	Less than 10 mg	1 mg (10X better than std)
<b>Aluminum</b>	Less than 30 mg	0 mg (no corrosion)

*The values listed above are typical of current production, variations in these properties may occur.*

### AVAILABLE PACK SIZES

	Bulk	Tote	Drum	4 X 3.78L
Catalyst Universal Antifreeze/Coolant (concentrate)	99-0728-00	99-0728-04	99-0728-05	99-0728-32
Catalys Universal Antifreeze/Coolant (50/50)	99-0729-00	99-0729-04	99-0729-05	99-0728-32

**THE PACK SIZES ABOVE ARE OUR STANDARD PACK SIZES. PLEASE COMMUNICATE WITH US TO FIND OUT FORMATS AVAILABLE LOCALLY.**

### HEALTH/SAFETY

GHS compliant English and French Safety Data Sheets are available at catalyslubricants.ca under ‘Safety Data Sheets’. Keep container closed when not in use. Please refer to the SDS for safe handling information. Always take used coolant and containers to an authorized collection point. Avoid discharge into the environment. As with any coolant, keep out of reach of children and animals.

### QUALITY

Catalys Lubricants partners with respected industry suppliers to bring you high quality products. For more information, contact your local Catalys Representative. Please ensure this product is right for the equipment by following the recommendations of the equipment operating manual.

### CONTACT US

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V4G 1E7	T5M 3V6	R3E 3J6	N6E 2Z9	J4G 1E6
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