

## ULTRA HI-HYBRID HD NF CONCENTRATE

### Product Description:

COOLTEMP Ultra Hybrid HD NF Concentrate is an Ethylene Glycol-based engine grade formulated for optimal performance in both Heavy & Light Duty Diesel engines.

It's formulation is free from Nitrites, Amines and Phosphates. (NAP Free) It's suitable for use in Diesel Engines found in On-Highway, Agricultural and Off-Highway Construction equipment.

### SPECIFICATIONS

#### INTERNATIONAL

AFNOR NF R 15-601, ASTM D3306, ASTM D4985, BS 6580 (2010), CUNA NC 956-16 (Italy), JIS K 2234 (Japan), ONORM V 5123 (Austria), SAE J1034, UNE 26-361 (Spain)

#### OEM:

ALFA ROMEO, FIAT,  
LANCIA 9.55523  
BEHR  
BMW / MINI GS 94000  
CATERPILLAR MWN  
0199-99-2091/9  
CUMMINS GS 94000  
DEUTZ DQC CA-14  
FORD ESD-M97B49-A

JI CASE JIC-501  
MB 325.0  
MAN 324 TYPE NF  
MTU MTL 5048  
OPEL / GM 3420  
OPEL / GM GME L1301  
VAUXHALL GM 6277M  
IVECO STANDARD 18-1830

PERKINS  
TOYOTA 1WW/2WW ENGINES  
VAN HOOL  
TMDX/G48/C2270/HD5X  
TESLA (>2013)  
VOLVO CARS 128 6038 / 002  
VOLVO TRUCKS &  
CONSTRUCTION PRE 2005

VW, SEAT, AUDI, SKODA, PORSCHE, VW TL 774 C(G11)

### Typical Test Data:

<b>Appearance</b>	<b>Green liquid</b>	
<b>Density at 20 °C</b>	<b>1.123 g/cm<sup>3</sup></b>	<b>ASTM D 4052</b>
<b>pH (50% vol in water</b>	<b>8.0</b>	<b>ASTM D 1287</b>
<b>Freezing Point (50% vol in Water)</b>	<b>-38 °C</b>	<b>ASTM D 1177</b>
<b>Boiling Point</b>	<b>170°C</b>	<b>ASTM D 1120</b>
<b>Reserve Alkalinity (ml HCl N/10)</b>	<b>14.5 ml</b>	<b>ASTM D 1121</b>
<b>Water Content</b>	<b>2.9% wt</b>	<b>ASTM D 1123</b>
<b>Foaming Characteristics at 88 °C</b>		<b>ASTM D 1881</b>
<b>Height</b>	<b>30 ml</b>	
<b>Breaktime</b>	<b>2.s</b>	

### Storage and Handling

Coolant has a shelf life of at minimum four years when stored in air-tight containers at a maximum temperature of 30°C. Translucent containers should not be stored outside in direct sunlight, especially in warm climates. Coolant can be stored in mild steel, lacquer lined or HDPE containers. As with any glycol-based engine coolant the use of galvanized steel is not recommended for pipes or any other part of the storage/mixing installation. Disposal of used or unused coolant must be carried out in accordance with local and national law, consult the material safety data sheet for further information.