

## HD COOL TEK ULTRA

Concentrated Cooling Fluid

### DESCRIPTION

**HD COOL TEK ULTRA** is an anti-corrosion coolant concentrate that builds a protective layer on the inside surfaces of the cooling system (engine blocks, cylinder heads, liners, water pumps and radiators).

**HD COOL TEK ULTRA** must be diluted in water to be used as a coolant.

Also available as a 50:50 mix called **HD COOL TEK**.

### APPLICATIONS

**HD COOL TEK ULTRA** is recommended for cooling systems of heavy duty, construction, mining and agriculture vehicles and equipment, gardening, ships, stationary engines, ...

### ADVANTAGES

- Excellent aluminium protection at high temperature.
- Phosphate free formula to avoid scale formation on hot engine surfaces.
- Avoid cavitation and increases water pump lifetime.
- Compatible with gaskets, hoses, and plastic components.
- Nitrite free / amine free / borate free.

### TECHNICAL CHARACTERISTICS

CHARACTERISTICS	METHOD	HD COOL TEK ULTRA
Color	Visual	Pink
Density at 20°C (68°F)	ASTM D5931	1.125 g/mL
pH	ASTM D1287	8.5
Freezing point	ASTM D1177	-38.0 °C / -36.0 °F
Freezing protection		-38.0 °C / -36.0 °F
Boiling point	NFR 15602-4	172.0 °C / 342.0 °F

Contains a bitterness agent to prevent from drinking: Coolants and concentrates have a sweet taste but are harmful.

## STANDARDS / APPROVALS / PERFORMANCE LEVEL

**HD COOL TEK ULTRA** meets the following standards:

- BRITISH STANDARD - BS 6580
- AS Standards - AS 2108
- ASTM STANDARD - D3306 / D4985
- China Standards - GB 29743
- Cuna Standards - NC 956-16
- JAPANESE STANDARD - JIS K2234
- ÖNORM Standards - V5123
- SANS Standards - 1251
- SAE - J1034

**HD COOL TEK ULTRA** meets or exceeds the most common specifications and OEM requirements:

- CUMMINS - CES 14603
- DEUTZ - DQC CC-14
- DEUTZ-FAHR - (<04/2017)
- IRIZAR - (From September 2016)
- LIEBHERR - LH-01-COL3A (Minimum)
- MAN - 324 type Si-OAT
- MERCEDES-BENZ - MB 325.5
- SCANIA - TB1451
- S. Coop - (From September 2016)

## RECOMMENDATIONS

- Must be used diluted in water. For better results, use demineralized water.
- To maintain anti-corrosion properties, do not dilute below 33%. Refer to chart for dilution rates.
- To be used for top-up or complete renewal of the cooling circuit for improved efficiency.
- Drain intervals: Refer to the manufacturers' recommendation.
- Attention, control or drain the coolant only when the engine is cold.
- Can be mixed with ethylene glycol-based coolants.
- Avoid mixing with other products for maximum performance.
- This product should not be used to protect drinking water systems from freezing.



# DATA SHEET

## IMPORTANT NOTICE

All information and rules about health, safety and the environment are mentioned on the safety data sheet. It provides information about risks, safety procedures and first aid emergency rules. It clarifies all procedures to implement in the case of an accidental spillage, and for the disposal of the product and its effects on the environment. The safety data sheet is available on [www.motul.com](http://www.motul.com).

Our product contains natural additives which are likely to modify the colour of the concentrates without altering its performance. The specifications of our products are definite only at the time of order, and are subject to our general sale and guarantee conditions. To give our customers the latest technical developments, the general characteristics of our products may vary.