

## HD COOL TEK ULTRA

### Heavy Duty engine coolant concentrate

#### 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.

#### 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 INFORMATION

Characteristics	Method	Units	Norms
Color	Visual		Pink
Density at 20°C / 68° F	ASTM D5931	g/mL	1.125
pH	ASTM D1287		8.5
Freezing point	ASTM D1177	°C / °F	-38 / -36
Freezing protection		°C / °F	-38 / -36
Boiling point	NF R15-602.4	°C / °F	172 / 342

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

## SPECIFICATIONS / APPROVALS

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

- Cummins – CES 14603
- Deutz - DQC CC-14
- Deutz-Fahr (<04/2017)
- Irizar – From September 2016
- Liebherr – Minimum LH-01-COL3A
- MAN - 324 type Si-OAT
- Mercedes-Benz – MB 325.5
- Scania – TB1451
- S. Coop – From September 2016

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

- |                                    |                                   |
|------------------------------------|-----------------------------------|
| ▪ AS Standards – AS 2108           | ▪ CUNA Standards – CUNA NC 956-16 |
| ▪ ASTM Standards – ASTM D3306      | ▪ Japanese Standards – JIS K2234  |
| ▪ ASTM Standards – ASTM D4985      | ▪ ÖNORM – ÖNORM V5123             |
| ▪ British standards – BS 6580      | ▪ SANS Standards – SANS 1251      |
| ▪ China Standards – China GB 29743 | ▪ SAE Standards – SAE J1034       |

## APPLICATION

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

## 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

HD COOL INTER ULTRA %	Freeze Point Protection T°C / T°F	Boiling Point Protection T°C / T°F
33	-22 / -8	132 / 282
40	-30 / -22	136 / 277
50	-41 / -42	134 / 273
60	-54 / -65	132 / 269

## SERVICE AND EQUIPMENT

In addition to its product ranges, Motul can provide tools and services for the maintenance and in-use monitoring of your lubricants. Please contact your technical sales representative.

## 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.

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. The safety data sheet of this product is available at [www.motul.com](http://www.motul.com)