

HD COOL INTER ULTRA

Concentrated Cooling Fluid

DESCRIPTION

HD COOL INTER ULTRA is an anti-corrosion coolant concentrate that builds a protective layer on the inside surfaces of the cooling system particularly those already being affected by corrosion (engine blocks, cylinder heads, liners, water pumps and radiators). The organic acids will seal the surfaces affected and prevent further corrosion taking place.

HD COOL INTER ULTRA uses hybrid organic acid technology (HOAT) for improved corrosion protection.

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

APPLICATIONS

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

ADVANTAGES

- Provides excellent wet sleeve liner cavitation protection in Heavy Duty applications.
- Phosphate-free formula to avoid scale formation on hot engine surfaces.
- Provides an excellent thermal exchange improving engine cooling efficiency.
- Increases water pump lifetime.
- Compatible with seals, hoses, pipes and parts made of plastic.

TECHNICAL CHARACTERISTICS

CHARACTERISTICS	METHOD	HD COOL INTER ULTRA
Color	Visual	Yellow
Density at 20°C (68°F)	ASTM D5931	1.132 g/mL
pH	ASTM D1287	6.6
Initial crystallization	ASTM D1177	-38.0 °C / -36.0 °F
Freezing protection		-37.0 °C / -35.0 °F
Boiling point	NFR 15602-4	175.0 °C / 347.0 °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 INTER ULTRA meets the following standards:

- AS Standards - AS 2108
- ASTM STANDARD - D3306 / D6210
- BRITISH STANDARD - BS 6580
- China Standards - GB 29743
- Cuna Standards - NC 956-16
- ÖNORM Standards - V5123
- SAE - J1034
- SANS Standards - 1251

HD COOL INTER ULTRA received approvals from:

- MTU - MTL 5048

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

- DEUTZ-FAHR -
- FORD - WSS-M97B51-A1
- IVECO -
- JCB - STD00088
- JOHN DEERE - JDM H24

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' recommendations.
- 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 output.
- This product should not be used to protect drinking water systems from freezing.

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.

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.