

## HD COOL INTER

### Ready-to-use cooling liquid

#### DESCRIPTION

**HD COOL INTER** is a ready to use cooling liquid, anti-corrosion and anti-freeze, based on monoethyleneglycol, using an organic / non-organic mix technology, named hybrid additives technology. This product can be mixed with all monoethyleneglycol based coolants.

#### ADVANTAGES

- Protects the cooling system from freezing and metallic parts from corrosion.
- Provides an excellent thermal exchange and therefore improves engine cooling efficiency.
- Combination of nitrites, borates, silicates and organic acids provide long lasting anti-corrosion properties on all engine components as engine blocks, cylinder heads, liners, water pumps and radiators.
- Avoids cavitation and increases water pump lifetime.
- Seals, hoses, pipes and plastic parts friendly.

#### TECHNICAL INFORMATION

Characteristics	Method	Units	Norms
Color	Visual		Yellow
Density at 20°C/68°F	ASTM D5931	g/mL	1.078
pH	ASTM D1287		7.9
Initial crystallization	ASTM D1177	°C / °F	-38 / -36
Freezing protection		°C / °F	-37 / -35
Boiling point	NF R15-602.4	°C / °F	108 / 226

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

## SPECIFICATIONS / APPROVALS / STANDARDS

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

- Deutz-Fahr
- Ford North America – WSS-M 97B51-A1
- Iveco
- JCB – STD00088
- John Deere – JDM H24

**HD COOL INTER** received approvals from:

- MTU – MTL 5048

**HD COOL INTER** meets the following standards:

- AS Standards – AS 2108
- ASTM Standards – ASTM D3306
- ASTM Standards – ASTM D6210
- British Standards – BS 6580
- China Standards – China GB 29743
- Cuna Standards – CUNA NC 956-16
- NFR Standards – NFR 15-601
- ÖNORM Standards – ÖNORM V5123
- SANS Standards – SANS 1251
- SAE Standards – SAE J1034

## APPLICATION

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

## RECOMMENDATIONS

- Ready to use, do not add any water.
- 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 output.
- This product should not be used to protect drinking water systems against freezing.



## 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)