



MAK SUPER KOOL

Environment friendly radiator coolant concentrate for petrol and diesel vehicles

MAK Super Kool is specially formulated synthetic, environment friendly radiator coolant. It is based on ethylene glycol and specially selected group of corrosion inhibitors. It is a high performance coolant designed to provide efficient protection from winter freezing and summer overheating as well. The inhibitors used effectively prevent corrosion and deposit formation in the key components of the cooling system, such as cooling channels in the cylinder head & engine block, cooler, water pump and heat exchanger.

Applications:

MAK Super Kool is recommended for use in all closed loop coolant circulation systems of combustion engines in passenger cars (petrol and diesel), light duty commercial vehicles (petrol and diesel), heavy vehicles, construction machines, agricultural tractors and stationary engines as a radiator coolant with recommended dilution in water. It is suitable for cast iron or Aluminium engines. This fluid can be used in 'lean burn' engines where cylinder and the block experience higher than normal temperatures. MAK Super Kool is based on carefully balanced mixtures of various additives and mixing with other coolants packages can affect the overall performance of the coolant. It is advised to use one part of MAK Super Kool to two parts of water in the radiator (or follow OEM's recommendation).

Performance/ Benefits:

Ultimate Performance – prevents hot weather boil-over and provides cold weather freeze protection by lowering the freezing point and raising the boiling point temperatures.

Outstanding Cooling Efficiency – offers uniform and continuous cooling ensuring longer life of engine parts.

Excellent Compatibility – offers excellent compatibility with aluminum and all light weight engine components of today's high mileage vehicles. Does not react with natural or synthetic rubber.

Environment Friendly – boron free, amine free, and phosphate, silicate free formula

Enhanced Life – the coolant by offering the best protection reduces maintenance costs and increases radiator life.

Excellent Stability – offers excellent hard water stability up to 700 ppm hardness.

Superior Protection – provides excellent protection against sludge clogging, scale build up, liner pitting, rust and corrosion and protects non-metallic components like gaskets and hoses. Prevents corrosion damage to wet cylinder liners and alloy components such as water pumps.

Performance Level/ Specification:

- JIS K 2234-1994, Class II (LLC Type)
- IS 5759:2006

Typical Physico-Chemical Data: MAK Super Kool

Characteristics	Method	Value
Color	Visual	Green
Density @20°C, g/cc	JIS K 2234, Clause 8.1	1.125
Boiling Point, °C	IS 5759, Annex E	180
pH of 30 % vol water solution	JIS K 2234, Clause 8.4	8.3
Reserved alkalinity	IS 5759, Annex H	12.7
Water Content, % wt	JIS K 2234, Clause 8.3	2.8
Freezing Temperature, °C	JIS K 2234, Clause 8.5	
a) 30 % vol of water solution		-24
b) 50 % vol of water solution		-39
Foaming property, ml (30 vol. % aqueous solution)	JIS K 2234, Clause 8.2	Nil

Storage & Handling:

The product should be stored inside. Keep it properly sealed to avoid contamination. Avoid freezing and store under protected storage conditions.

Health & Safety:

It is unlikely to be hazardous when properly used in recommended applications. Contamination of the coolant from other oils, greases, chemicals, dirty water etc. can occur during the use. It should be avoided. Regular monitoring of the in-use product is recommended.